

Data File : VU035832.D
Acq On : 25 Nov 2019 18:30
Operator : JC/SP
Sample : K5992-03MS
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GARE5MS

Quant Time: Nov 26 01:07:14 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	254327	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	274927	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	114843	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	134022	4.03	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	80.60%
7) Chloroethane-d5	1.93	69	132053	4.59	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.80%
11) 1,1-Dichloroethene-d2	2.60	63	302144	4.89	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	97.80%
20) 2-Butanone-d5	4.69	46	439773	57.20	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	114.40%
24) Chloroform-d	5.11	84	271099	4.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.40%
26) 1,2-Dichloroethane-d4	5.75	65	157121	4.98	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.60%
32) Benzene-d6	5.77	84	509404	4.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.20%
36) 1,2-Dichloropropane-d6	6.74	67	182305	5.16	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.20%
41) Toluene-d8	7.93	98	429567	4.44	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.80%
43) trans-1,3-Dichloropropene-	8.21	79	67641	4.91	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	98.20%
46) 2-Hexanone-d5	8.68	63	358497	64.85	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	129.70%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	151864	5.10	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.00%
64) 1,2-Dichlorobenzene-d4	12.22	152	133851	5.37	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.40%

Target Compounds

					Qvalue
3) Chloromethane	1.54	50	4081	0.096 ug/L	88
12) 1,1-Dichloroethene	2.61	96	218136	8.243 ug/L	83
13) Acetone	2.67	43	5623	0.833 ug/L	86
18) trans-1,2-Dichloroethene	3.39	96	92887	3.565 ug/L	96
21) 2-Butanone	4.87	43	79721	9.330 ug/L #	51
22) cis-1,2-Dichloroethene	4.72	96	725963	25.001 ug/L	98
25) Chloroform	5.14	83	19568	0.343 ug/L	92
27) 1,2-Dichloroethane	5.82	62	9128	0.244 ug/L #	78
33) Benzene	5.82	78	637877	5.558 ug/L	100
35) Methylcyclohexane	6.74	83	39010	0.945 ug/L #	14
37) 1,2-Dichloropropane	6.74	63	20519	0.630 ug/L #	91
39) cis-1,3-Dichloropropene	7.60	75	4940	0.117 ug/L	84
42) Toluene	8.00	91	629663	5.274 ug/L	98
45) 1,1,2-Trichloroethane	8.44	97	14210	0.670 ug/L	99
47) Tetrachloroethene	8.58	164	28297	1.322 ug/L	97
49) Dibromochloromethane	8.58	129	27328	1.092 ug/L #	12
51) Chlorobenzene	9.48	112	387927	5.246 ug/L	100

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

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Response via : Initial Calibration

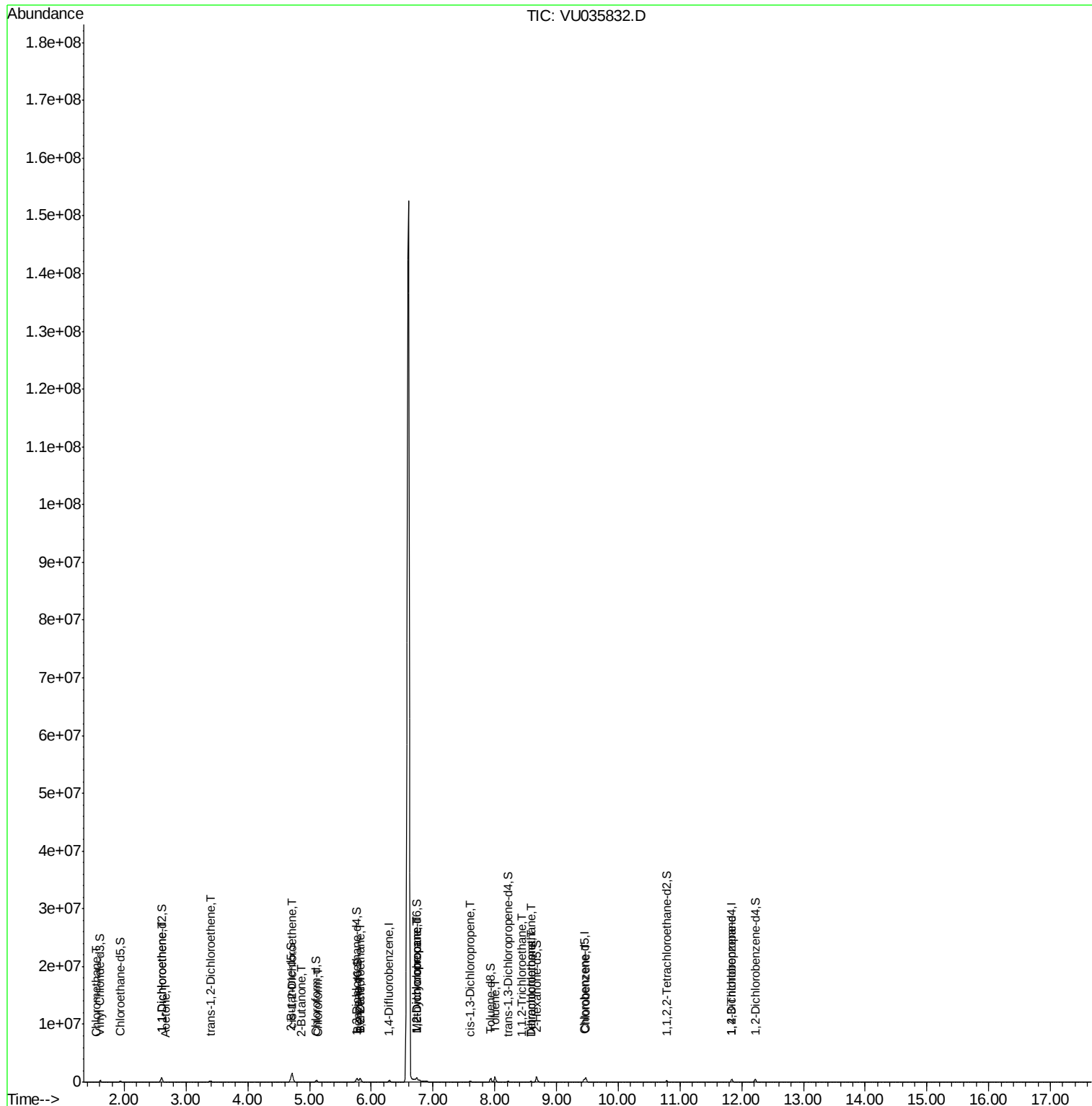
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
59) 1,2,3-Trichloropropane	11.84	75	15386	0.727	ug/L #	43

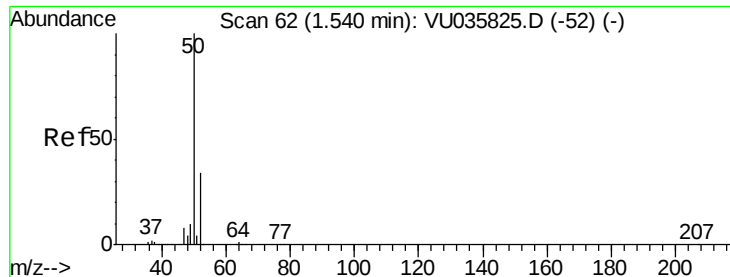
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#3

Chloromethane

Concen: 0.096 ug/L

RT: 1.54 min Scan# 61

Delta R.T. -0.00 min

Lab File: VU035832.D

Acq: 25 Nov 2019 18:30

Instrument :

MSVOA_U

ClientSampleId :

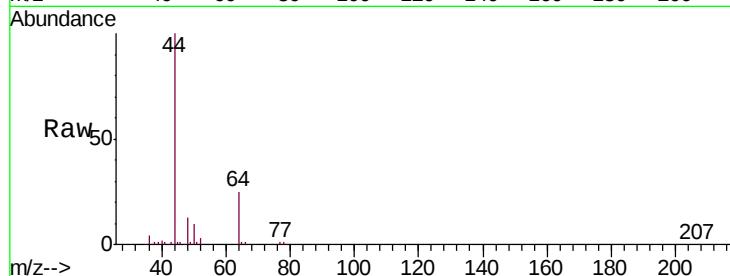
GARE5MS

Tgt Ion: 50 Resp: 4081

Ion Ratio Lower Upper

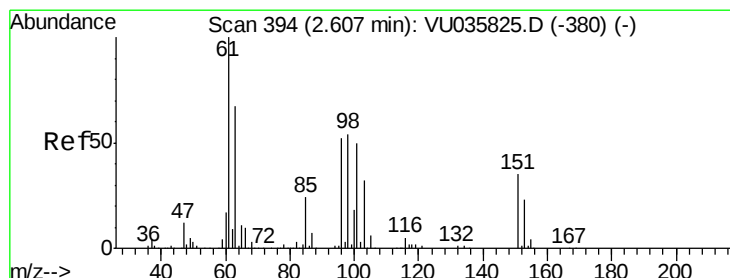
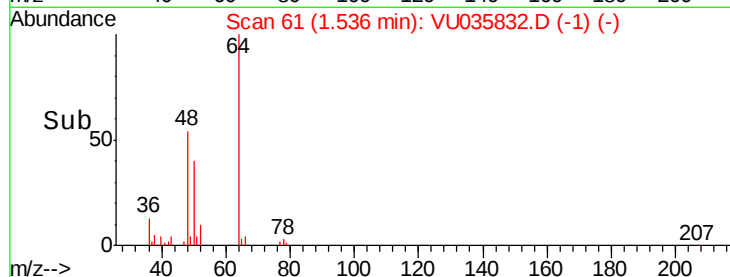
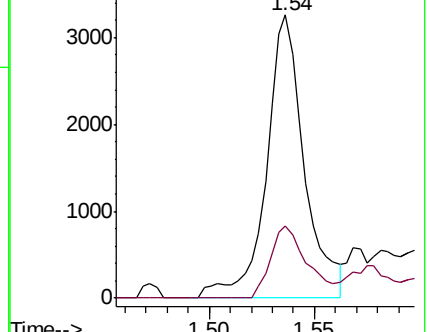
50 100

52 25.6 22.7 42.3



Abundance Ion 50.05 (49.75 to 50.75): VU035832.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VU035832.D (-1) (-)



#12

1,1-Dichloroethene

Concen: 8.243 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU035832.D

Acq: 25 Nov 2019 18:30

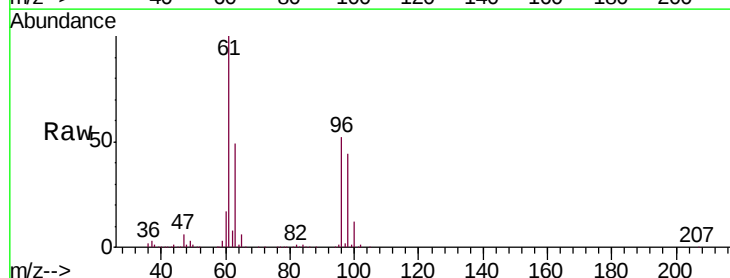
Tgt Ion: 96 Resp: 218136

Ion Ratio Lower Upper

96 100

61 191.0 139.3 258.7

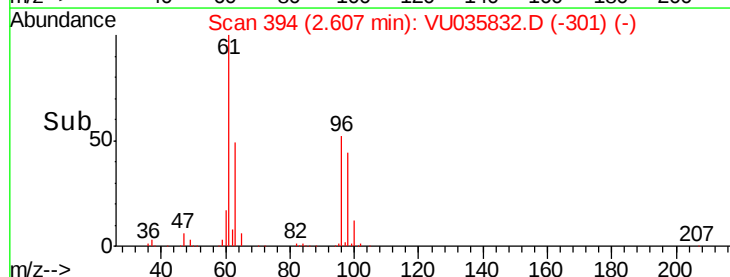
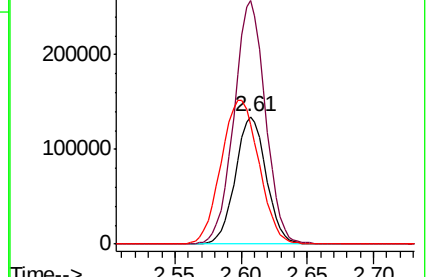
63 94.0 93.7 174.1

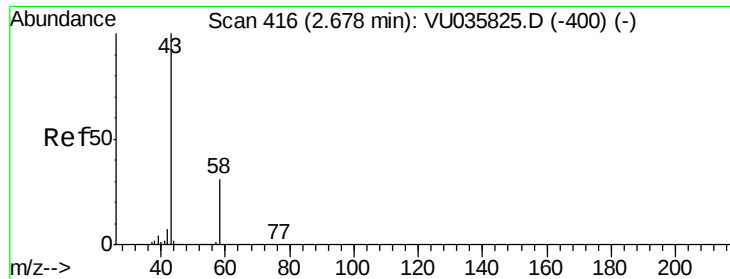


Abundance Ion 96.00 (95.70 to 96.70): VU035832.D (-301) (-)

Ion 61.05 (60.75 to 61.75): VU035832.D (-301) (-)

Ion 63.00 (62.70 to 63.70): VU035832.D (-301) (-)

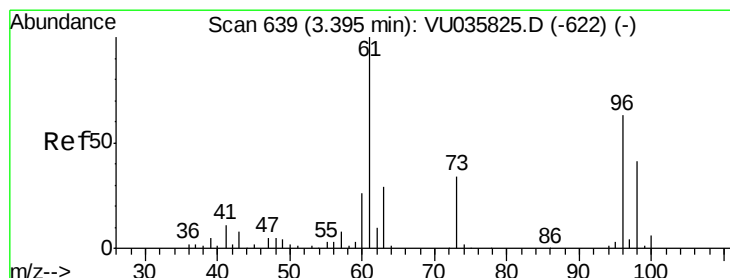
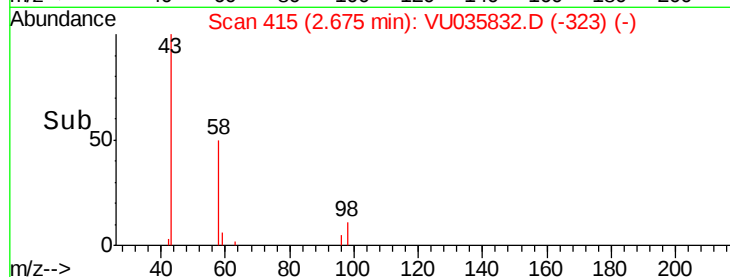
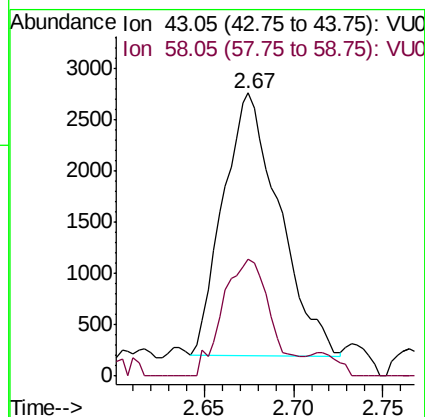
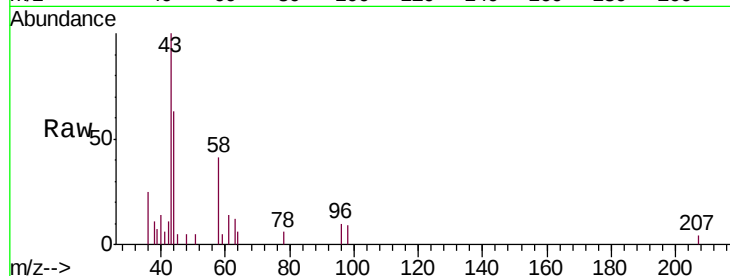




#13
Acetone
Concen: 0.833 ug/L
RT: 2.67 min Scan# 415
Delta R.T. -0.00 min
Lab File: VU035832.D
Acq: 25 Nov 2019 18:30

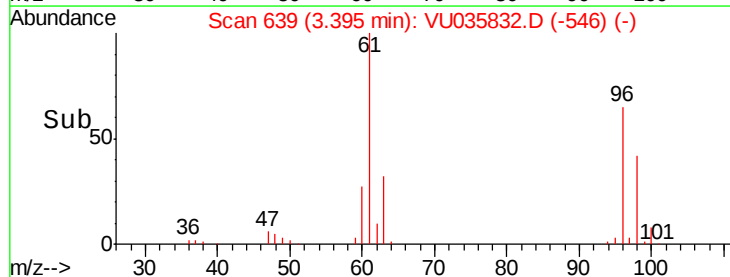
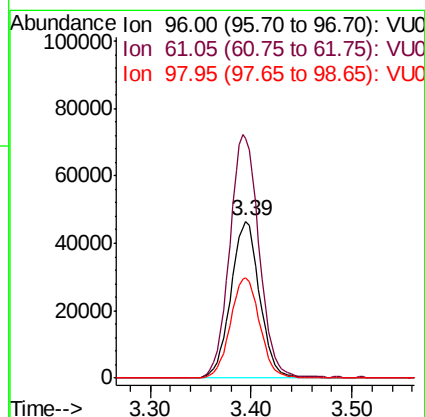
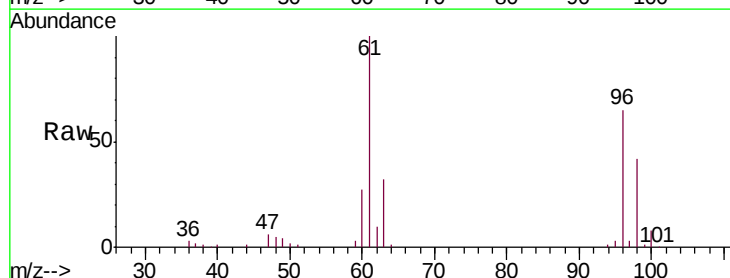
Instrument :
MSVOA_U
ClientSampleId :
GARE5MS

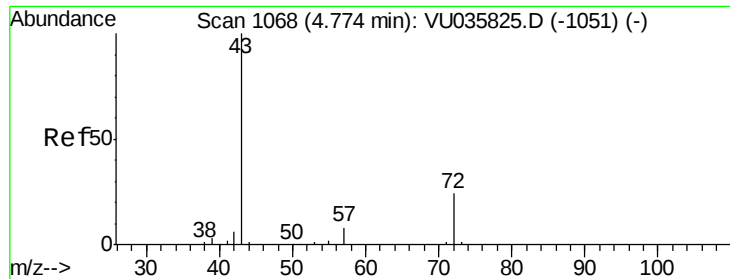
Tgt Ion: 43 Resp: 5623
Ion Ratio Lower Upper
43 100
58 38.3 0.0 61.2



#18
trans-1,2-Dichloroethene
Concen: 3.565 ug/L
RT: 3.39 min Scan# 639
Delta R.T. 0.00 min
Lab File: VU035832.D
Acq: 25 Nov 2019 18:30

Tgt Ion: 96 Resp: 92887
Ion Ratio Lower Upper
96 100
61 153.5 111.1 206.3
98 64.2 43.1 80.1





#21

2-Butanone

Concen: 9.330 ug/L

RT: 4.87 min Scan# 1097

Delta R.T. 0.09 min

Lab File: VU035832.D

Acq: 25 Nov 2019 18:30

Instrument :

MSVOA_U

ClientSampleId :

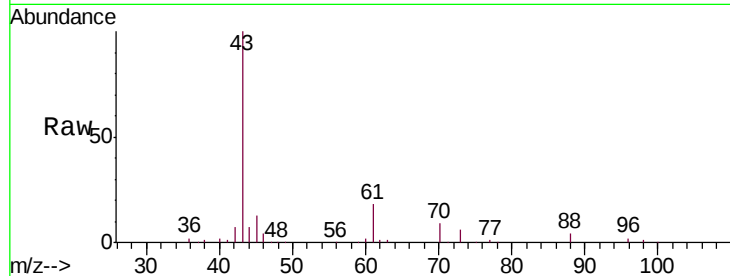
GARE5MS

Tgt Ion: 43 Resp: 79721

Ion Ratio Lower Upper

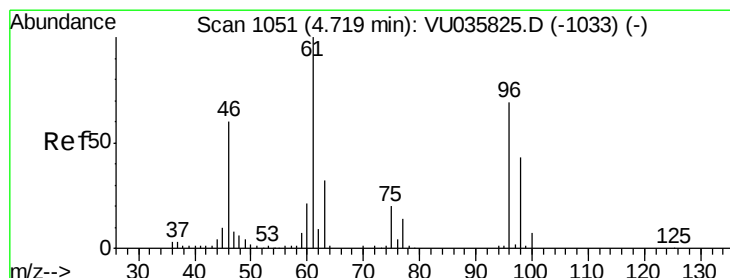
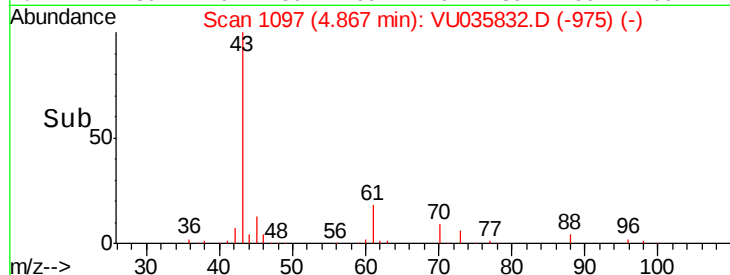
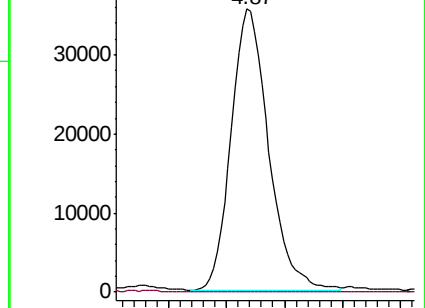
43 100

72 0.3 12.4 37.4#



Abundance Ion 43.05 (42.75 to 43.75): VU035832.D (-975) (-)

Ion 72.10 (71.80 to 72.80): VU035832.D (-975) (-)



#22

cis-1,2-Dichloroethene

Concen: 25.001 ug/L

RT: 4.72 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VU035832.D

Acq: 25 Nov 2019 18:30

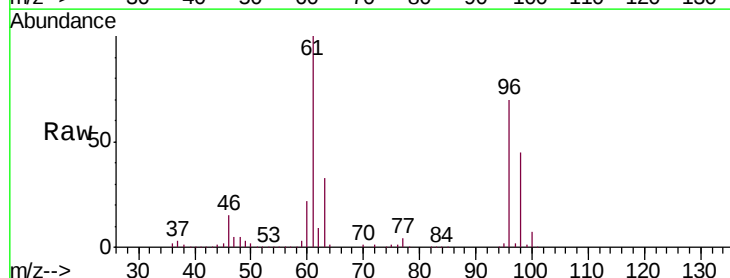
Tgt Ion: 96 Resp: 725963

Ion Ratio Lower Upper

96 100

61 142.1 98.1 182.1

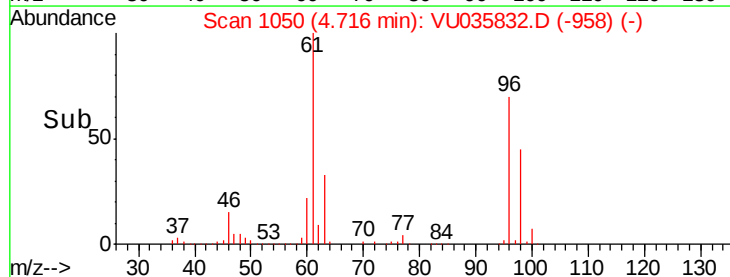
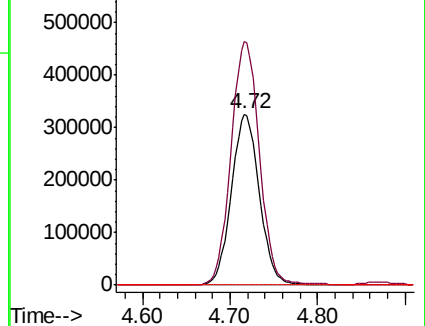
68 0.0 0.0 0.0

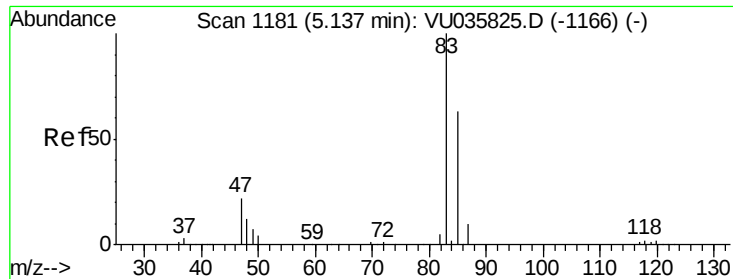


Abundance Ion 96.00 (95.70 to 96.70): VU035832.D (-958) (-)

Ion 61.05 (60.75 to 61.75): VU035832.D (-958) (-)

Ion 68.15 (67.85 to 68.85): VU035832.D (-958) (-)

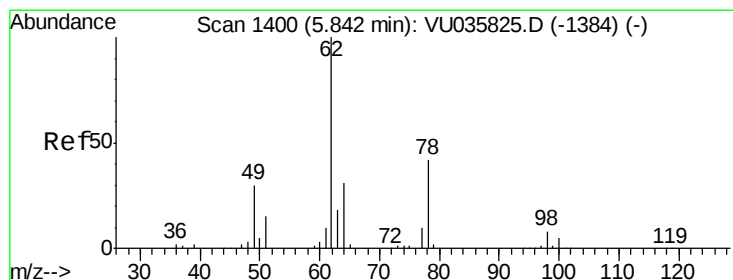
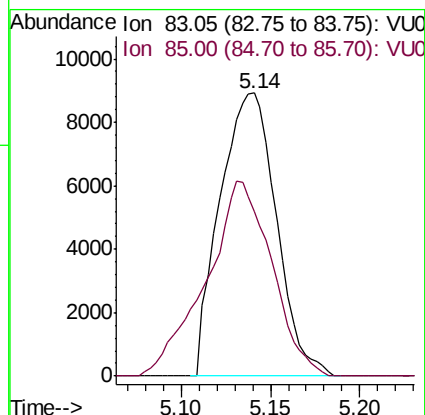
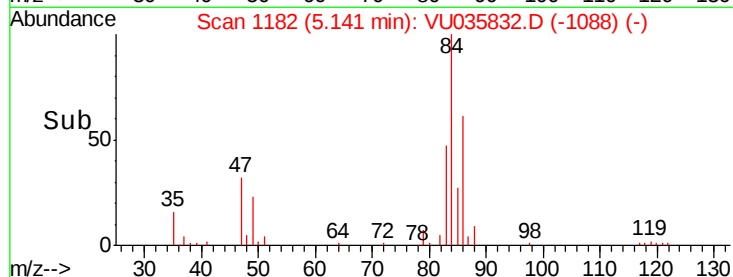
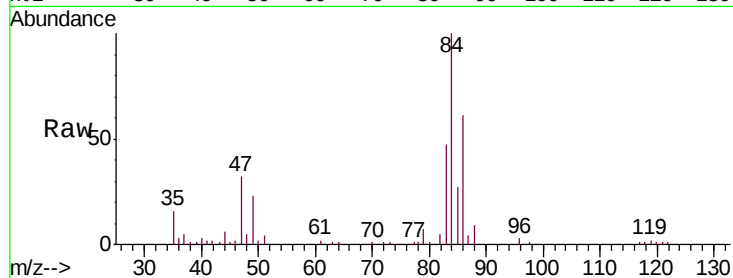




#25
Chloroform
Concen: 0.343 ug/L
RT: 5.14 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VU035832.D
Acq: 25 Nov 2019 18:30

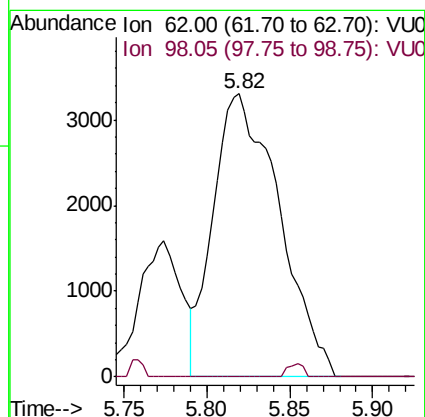
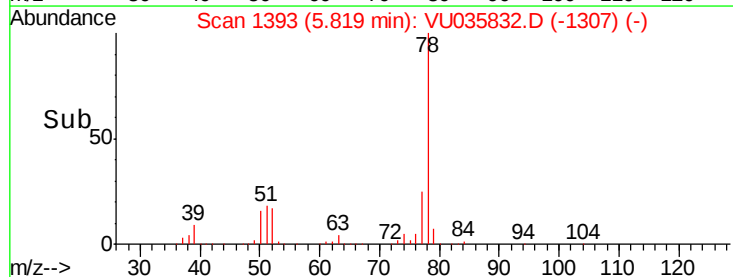
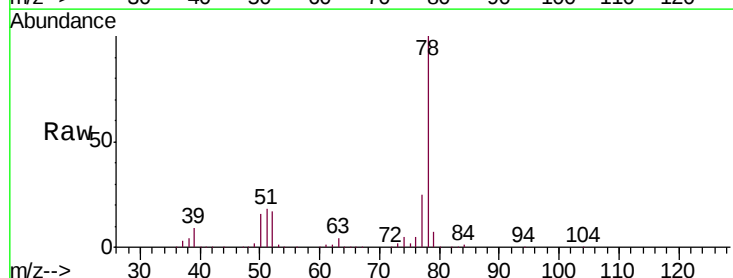
Instrument :
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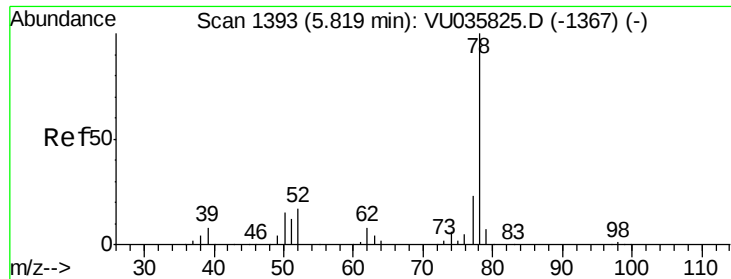
Tgt Ion: 83 Resp: 19568
Ion Ratio Lower Upper
83 100
85 57.8 44.6 82.8



#27
1,2-Dichloroethane
Concen: 0.244 ug/L
RT: 5.82 min Scan# 1393
Delta R.T. -0.02 min
Lab File: VU035832.D
Acq: 25 Nov 2019 18:30

Tgt Ion: 62 Resp: 9128
Ion Ratio Lower Upper
62 100
98 0.0 6.2 9.4#





#33

Benzene

Concen: 5.558 ug/L

RT: 5.82 min Scan# 1393

Delta R.T. 0.00 min

Lab File: VU035832.D

Acq: 25 Nov 2019 18:30

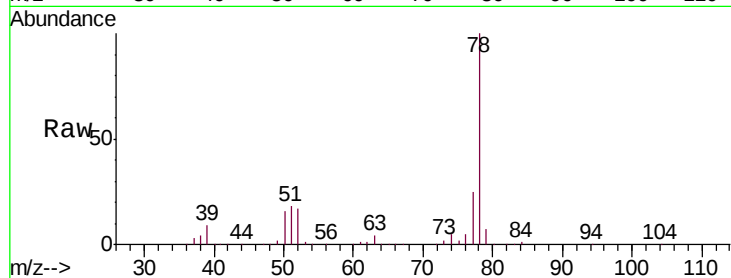
Instrument :

MSVOA_U

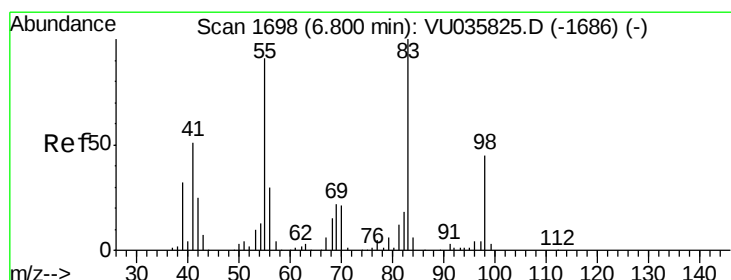
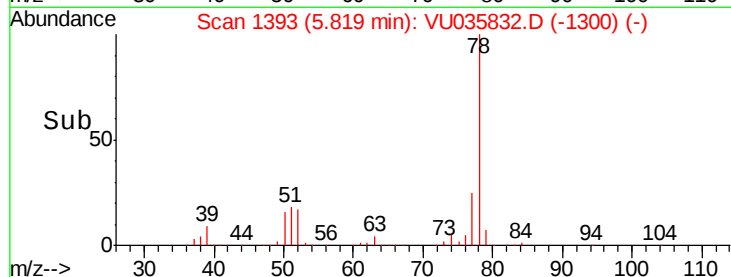
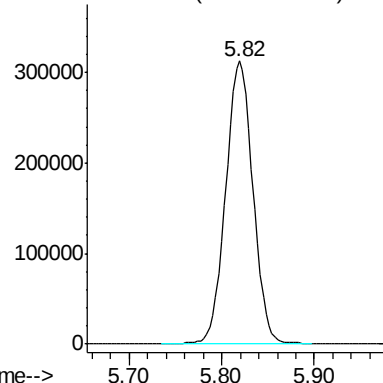
ClientSampleId :

GARE5MS

Tgt Ion: 78 Resp: 637877



Abundance Ion 78.10 (77.80 to 78.80): VU0



#35

Methylcyclohexane

Concen: 0.945 ug/L

RT: 6.74 min Scan# 1678

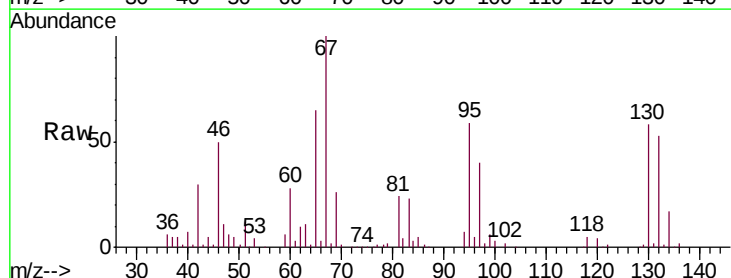
Delta R.T. -0.06 min

Lab File: VU035832.D

Acq: 25 Nov 2019 18:30

Tgt Ion: 83 Resp: 39010

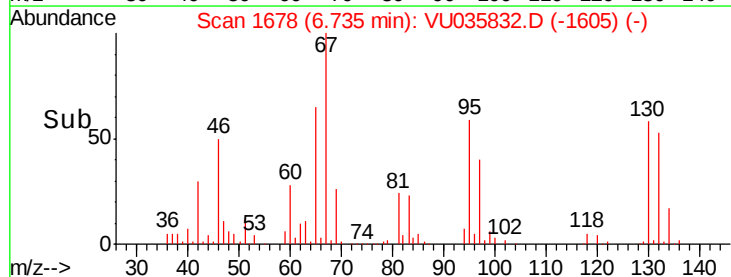
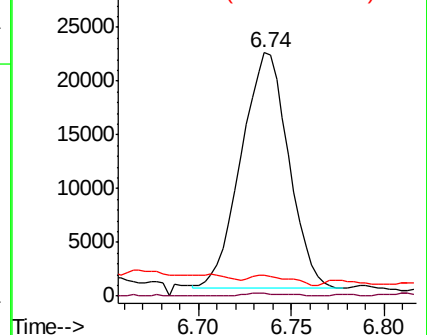
Ion	Ratio	Lower	Upper
83	100		
55	0.8	72.7	109.1#
98	0.0	36.2	54.4#

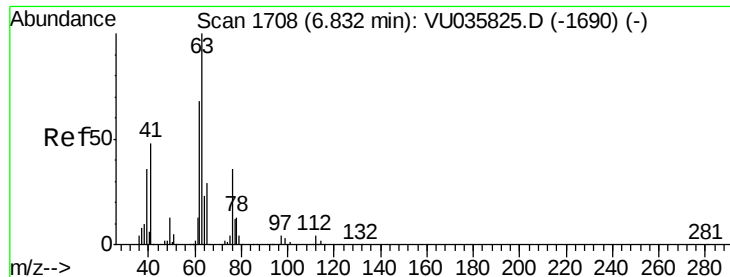


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 0.630 ug/L

RT: 6.74 min Scan# 1678

Delta R.T. -0.10 min

Lab File: VU035832.D

Acq: 25 Nov 2019 18:30

Instrument :

MSVOA_U

ClientSampleId :

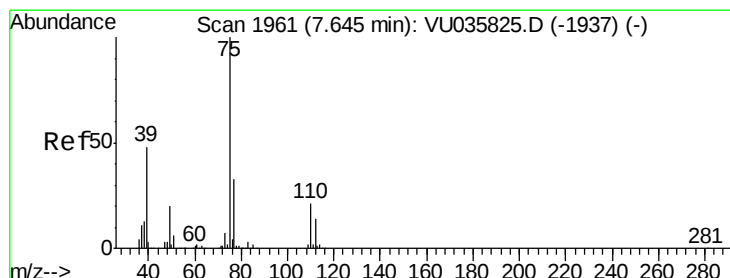
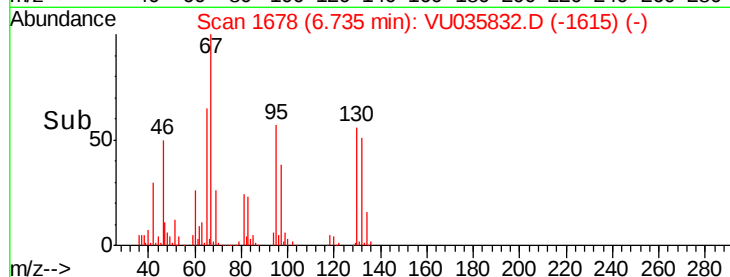
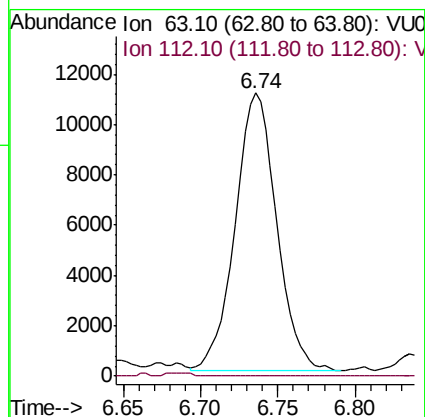
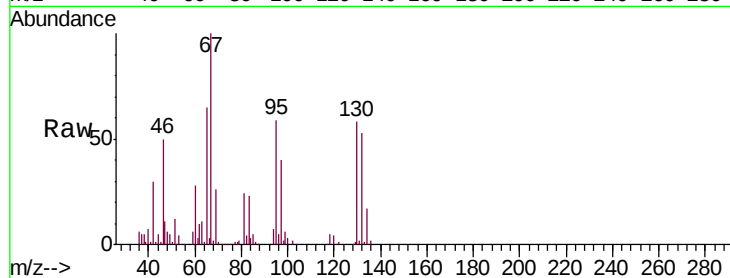
GARE5MS

Tgt Ion: 63 Resp: 20519

Ion Ratio Lower Upper

63 100

112 0.3 2.7 4.1#



#39

cis-1,3-Dichloropropene

Concen: 0.117 ug/L

RT: 7.60 min Scan# 1948

Delta R.T. -0.04 min

Lab File: VU035832.D

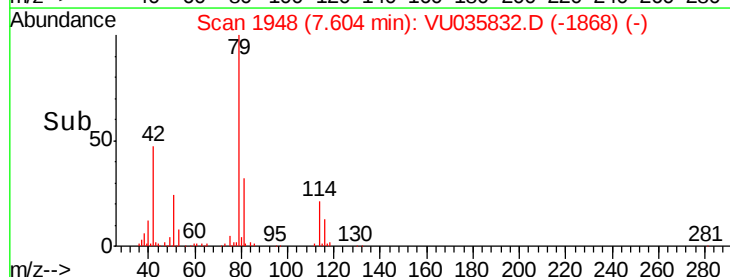
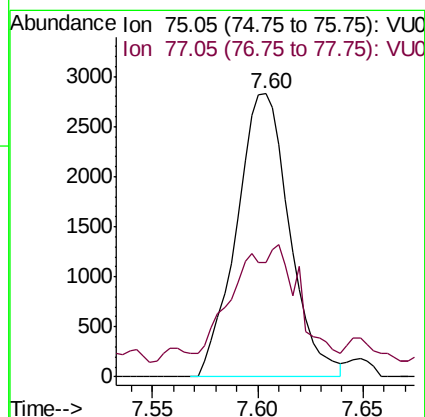
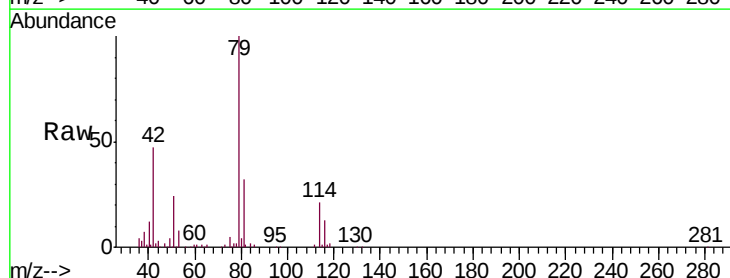
Acq: 25 Nov 2019 18:30

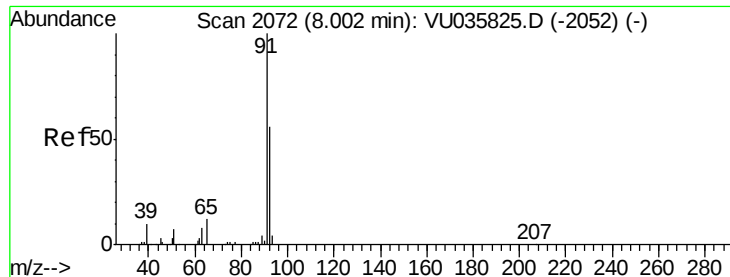
Tgt Ion: 75 Resp: 4940

Ion Ratio Lower Upper

75 100

77 40.3 22.1 41.1





#42

Toluene

Concen: 5.274 ug/L

RT: 8.00 min Scan# 2072

Delta R.T. 0.00 min

Lab File: VU035832.D

Acq: 25 Nov 2019 18:30

Instrument :

MSVOA_U

ClientSampleId :

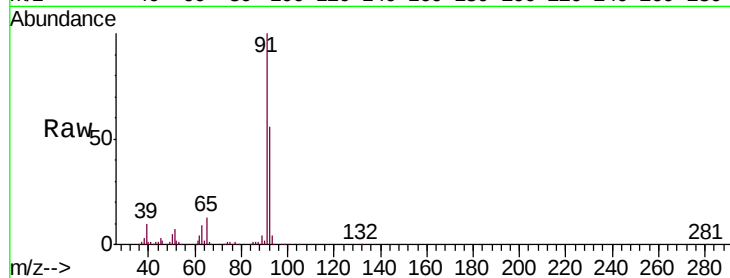
GARE5MS

Tgt Ion: 91 Resp: 629663

Ion Ratio Lower Upper

91 100

92 56.4 40.4 75.0



Abundance Ion 91.15 (90.85 to 91.85): VU035832.D (-1979) (-)

Ion 92.15 (91.85 to 92.85): VU035832.D (-1979) (-)

8.00

400000

300000

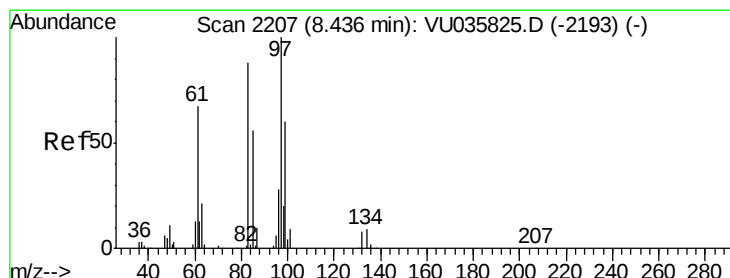
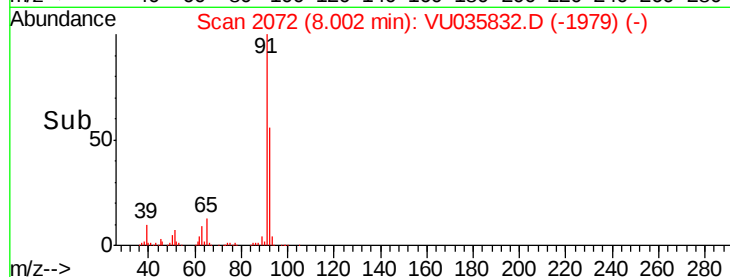
200000

100000

0

7.90 8.00 8.10

Time-->



#45

1,1,2-Trichloroethane

Concen: 0.670 ug/L

RT: 8.44 min Scan# 2207

Delta R.T. -0.00 min

Lab File: VU035832.D

Acq: 25 Nov 2019 18:30

Tgt Ion: 97 Resp: 14210

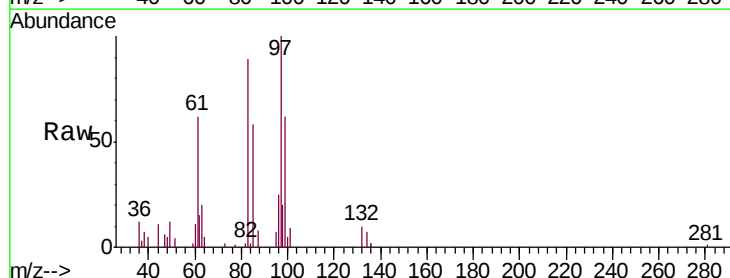
Ion Ratio Lower Upper

97 100

99 61.8 44.2 82.0

83 89.4 62.2 115.6

85 57.7 41.5 77.1



Abundance Ion 96.95 (96.65 to 97.65): VU035832.D (-2114) (-)

Ion 99.05 (98.75 to 99.75): VU035832.D (-2114) (-)

Ion 82.95 (82.65 to 83.65): VU035832.D (-2114) (-)

Ion 85.00 (84.70 to 85.70): VU035832.D (-2114) (-)

12000

10000

8000

6000

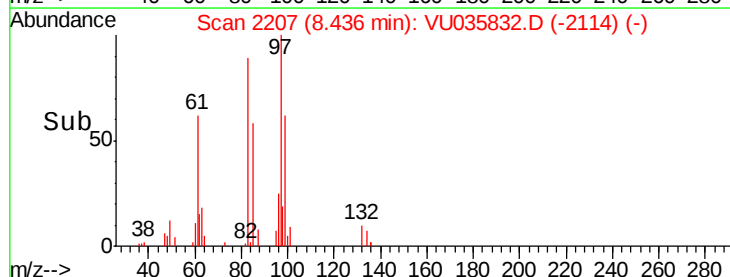
4000

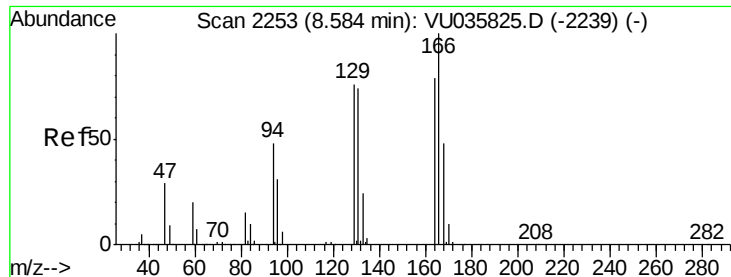
2000

0

8.40 8.45 8.50

Time-->

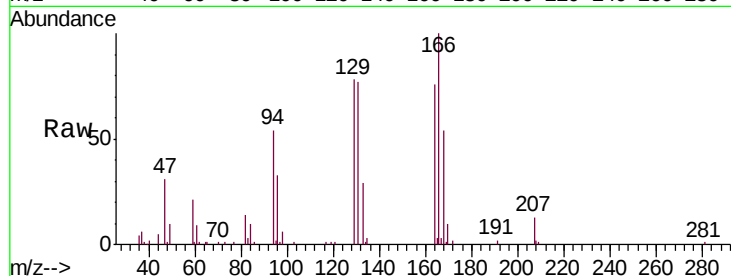




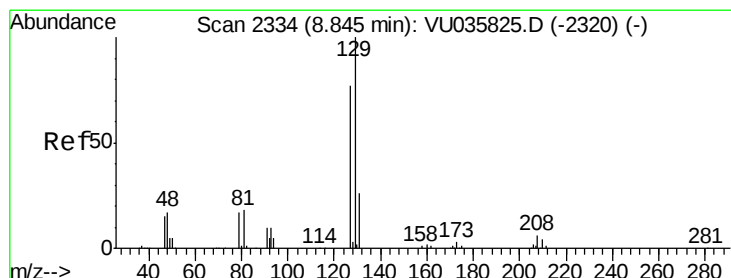
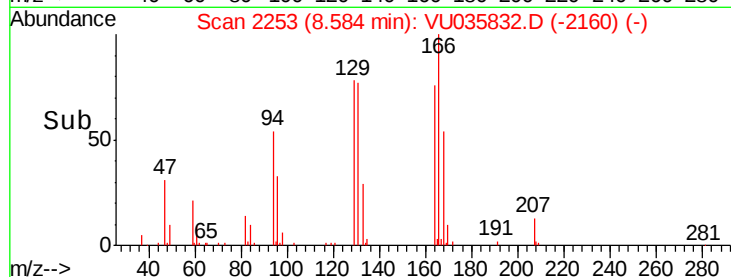
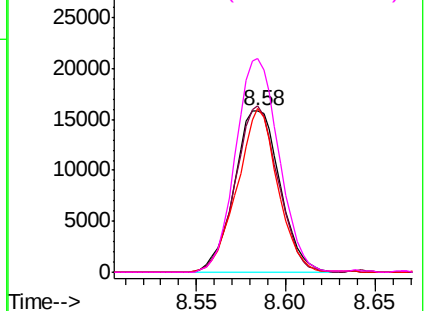
#47
Tetrachloroethene
Concen: 1.322 ug/L
RT: 8.58 min Scan# 2253
Delta R.T. 0.00 min
Lab File: VU035832.D
Acq: 25 Nov 2019 18:30

Instrument :
MSVOA_U
ClientSampleId :
GARE5MS

Tgt Ion:164 Resp: 28297
Ion Ratio Lower Upper
164 100
129 103.0 68.8 127.8
131 100.9 67.3 124.9
166 131.9 91.6 170.2

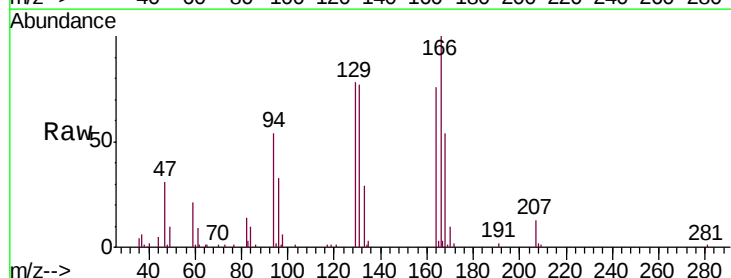


Abundance Ion 163.90 (163.60 to 164.60): V
Ion 128.95 (128.65 to 129.65): V
Ion 130.95 (130.65 to 131.65): V
Ion 165.90 (165.60 to 166.60): V

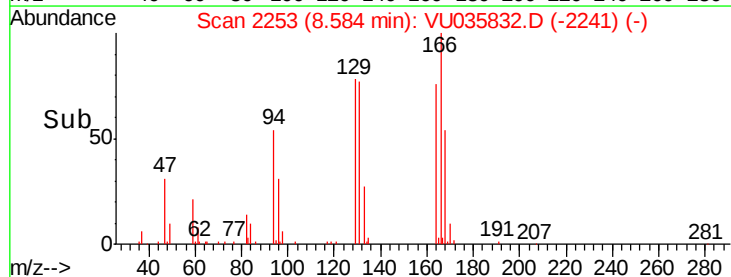
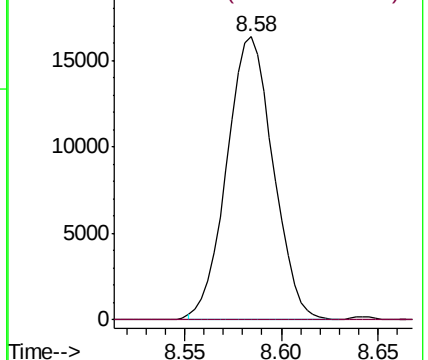


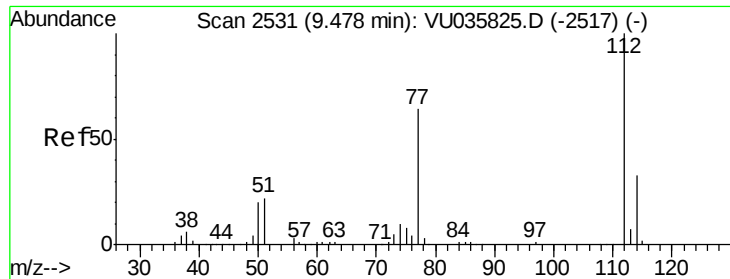
#49
Dibromochloromethane
Concen: 1.092 ug/L
RT: 8.58 min Scan# 2253
Delta R.T. -0.26 min
Lab File: VU035832.D
Acq: 25 Nov 2019 18:30

Tgt Ion:129 Resp: 27328
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: 5.246 ug/L

RT: 9.48 min Scan# 2531

Delta R.T. 0.00 min

Lab File: VU035832.D

Acq: 25 Nov 2019 18:30

Instrument :

MSVOA_U

ClientSampleId :

GARE5MS

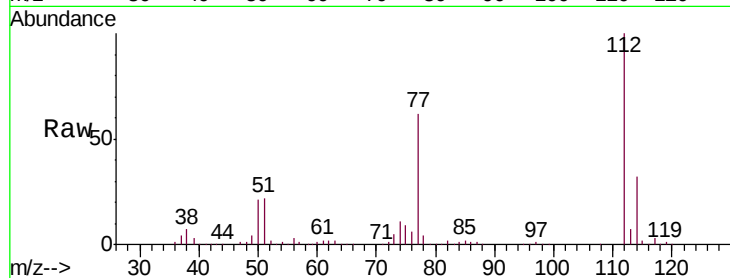
Tgt Ion: 112 Resp: 387927

Ion Ratio Lower Upper

112 100

114 31.9 22.2 41.2

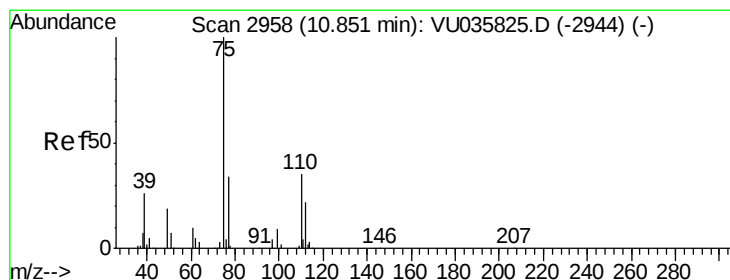
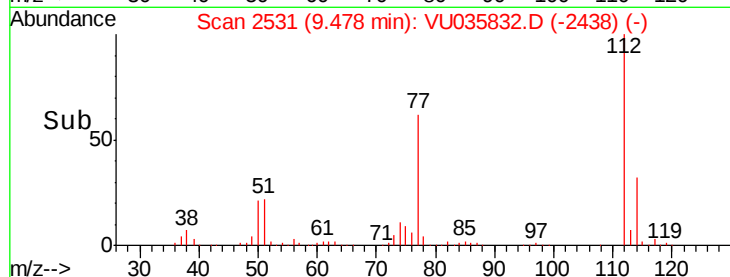
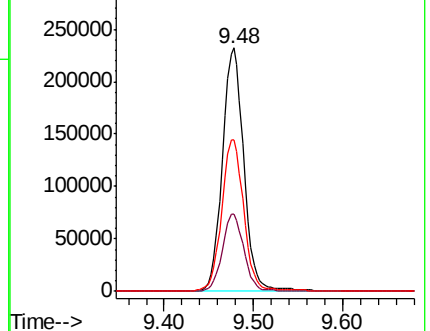
77 62.4 50.1 75.1



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): VU



#59

1,2,3-Trichloropropane

Concen: 0.727 ug/L

RT: 11.84 min Scan# 3265

Delta R.T. 0.99 min

Lab File: VU035832.D

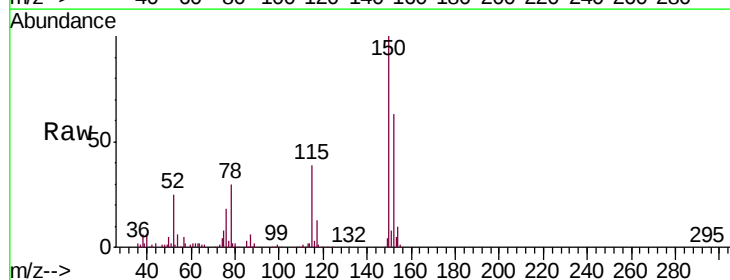
Acq: 25 Nov 2019 18:30

Tgt Ion: 75 Resp: 15386

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.2#



Abundance Ion 75.00 (74.70 to 75.70): VU

Ion 77.00 (76.70 to 77.70): VU

