

Data File : VU035503.D
Acq On : 25 Oct 2019 22:04
Operator : JC/SP
Sample : K5554-12
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GAQ92

Quant Time: Oct 26 04:12:08 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102519WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Oct 26 04:07:11 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	194453	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	220291	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	84618	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	123168	4.77	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	95.40%
7) Chloroethane-d5	1.93	69	104559	4.98	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.60%
11) 1,1-Dichloroethene-d2	2.59	63	160587	3.79	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	75.80%
20) 2-Butanone-d5	4.71	46	273991	53.53	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.06%
24) Chloroform-d	5.11	84	199853	5.38	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	107.60%
26) 1,2-Dichloroethane-d4	5.75	65	106888	5.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.20%
32) Benzene-d6	5.77	84	392035	5.08	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.60%
36) 1,2-Dichloropropane-d6	6.74	67	133452	5.29	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	105.80%
41) Toluene-d8	7.93	98	320594	4.57	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.40%
43) trans-1,3-Dichloropropene-	8.22	79	46212	4.71	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.20%
46) 2-Hexanone-d5	8.69	63	191241	50.35	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.70%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	101934	4.94	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.80%
64) 1,2-Dichlorobenzene-d4	12.22	152	99665	5.83	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	116.60%

Target Compounds

					Qvalue
3) Chloromethane	1.54	50	3284	0.107 ug/L #	69
12) 1,1-Dichloroethene	2.60	96	2823	0.153 ug/L #	1
13) Acetone	2.69	43	7194	1.850 ug/L	100
14) Carbon disulfide	2.82	76	6787	0.104 ug/L #	72
18) trans-1,2-Dichloroethene	3.39	96	10506	0.522 ug/L	96
22) cis-1,2-Dichloroethene	4.72	96	92341	4.300 ug/L	99
34) Trichloroethene	6.58	95	200453	9.300 ug/L	98
35) Methylcyclohexane	6.74	83	30928	0.927 ug/L #	16
37) 1,2-Dichloropropane	6.74	63	14117	0.609 ug/L #	86
39) cis-1,3-Dichloropropene	7.60	75	2778	0.086 ug/L #	28
42) Toluene	8.00	91	9658	0.108 ug/L	94
47) Tetrachloroethene	8.58	164	81635	4.613 ug/L	100
48) 2-Hexanone	8.73	43	12664	1.372 ug/L #	93
49) Dibromochloromethane	8.58	129	73646	3.910 ug/L #	10
59) 1,2,3-Trichloropropane	11.84	75	10920	0.735 ug/L	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102519\
Quantitation Report (Not Reviewed)

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Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Oct 26 04:07:11 2019
Response via : Initial Calibration

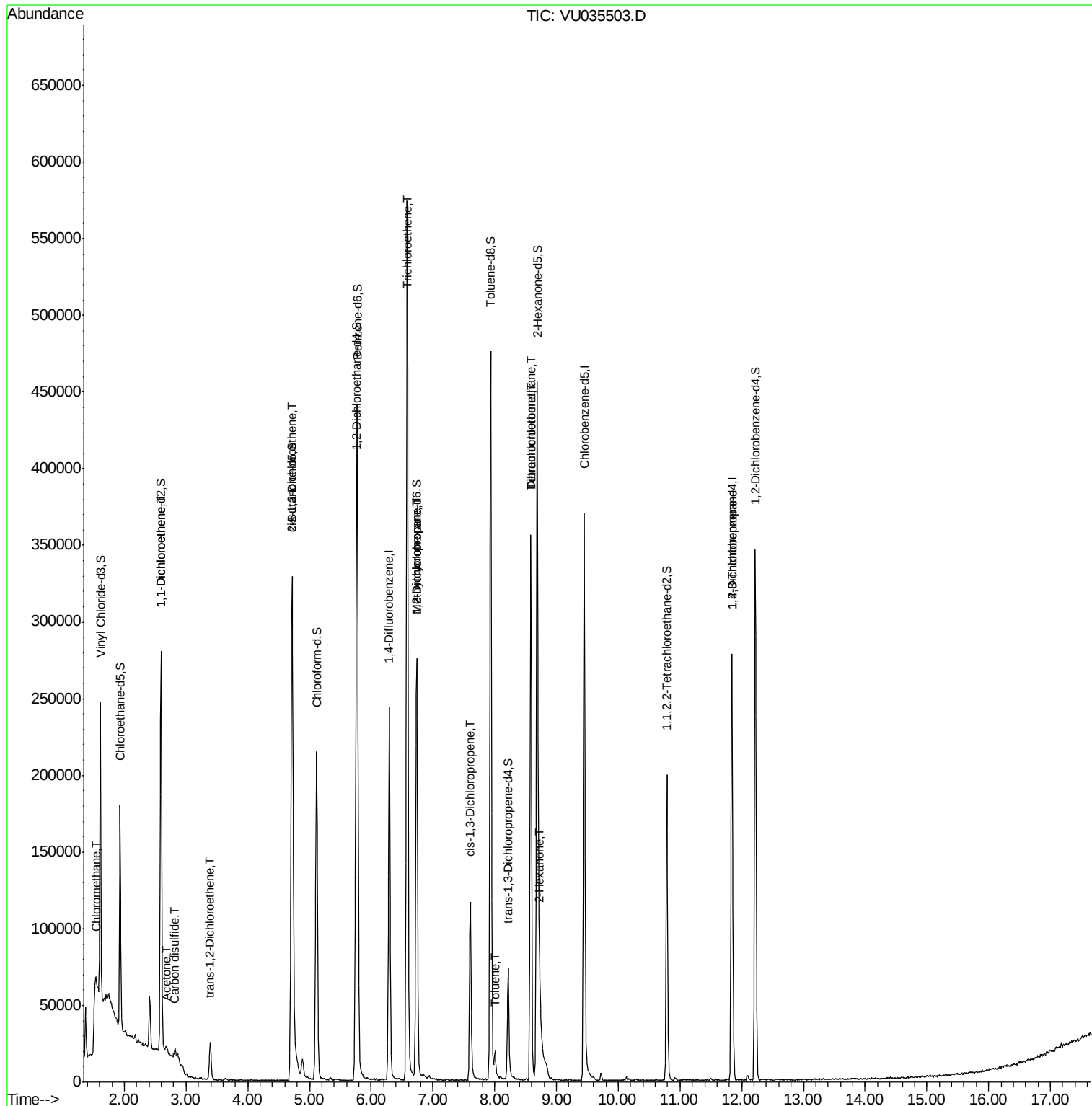
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

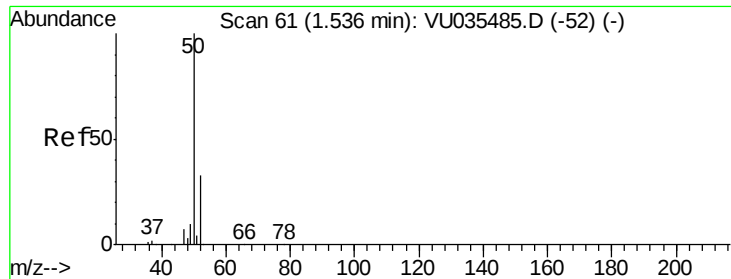
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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#3

Chloromethane

Concen: 0.107 ug/L

RT: 1.54 min Scan# 61

Delta R.T. -0.00 min

Lab File: VU035503.D

Acq: 25 Oct 2019 22:04

Instrument :

MSVOA_U

ClientSampled :

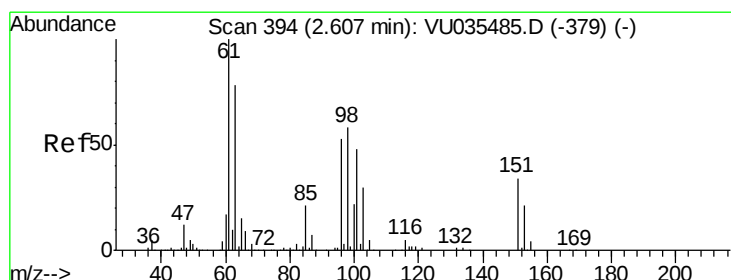
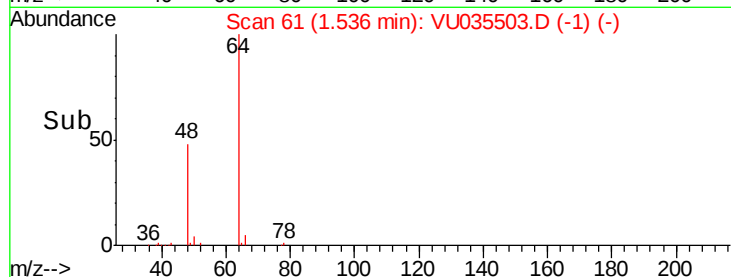
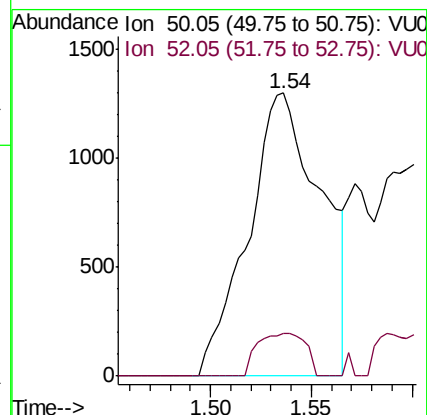
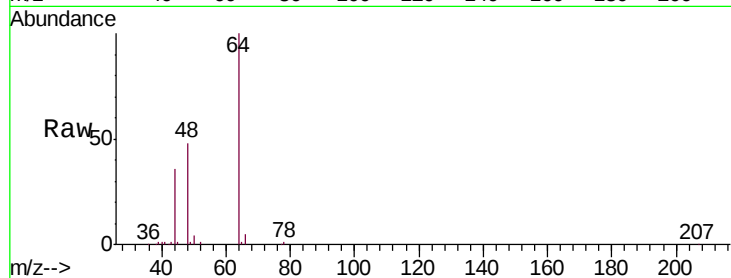
GAQ92

Tgt Ion: 50 Resp: 3284

Ion Ratio Lower Upper

50 100

52 15.0 22.7 42.3#



#12

1,1-Dichloroethene

Concen: 0.153 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU035503.D

Acq: 25 Oct 2019 22:04

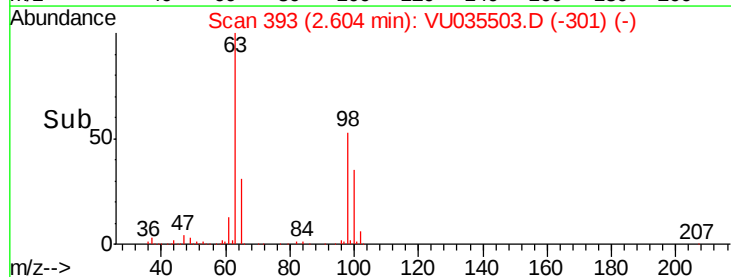
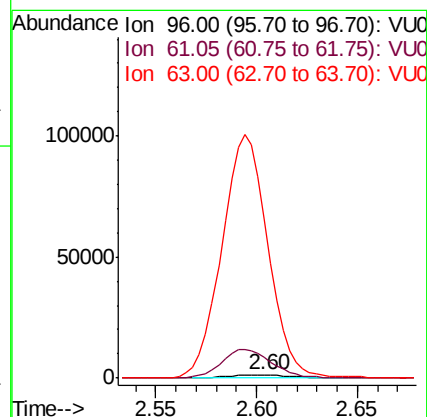
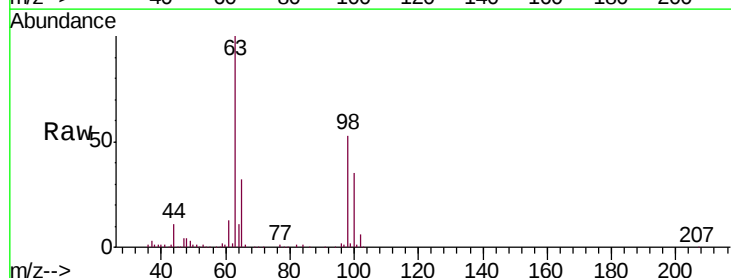
Tgt Ion: 96 Resp: 2823

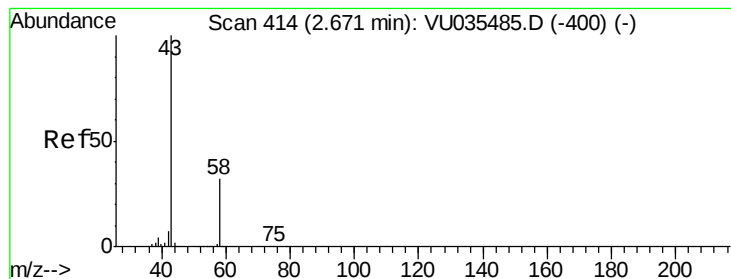
Ion Ratio Lower Upper

96 100

61 604.4 131.9 244.9#

63 4628.2 97.0 180.2#





#13

Acetone

Concen: 1.850 ug/L

RT: 2.69 min Scan# 419

Delta R.T. 0.02 min

Lab File: VU035503.D

Acq: 25 Oct 2019 22:04

Instrument :

MSVOA_U

ClientSampleId :

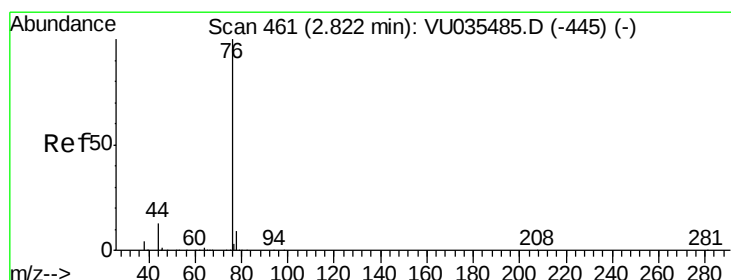
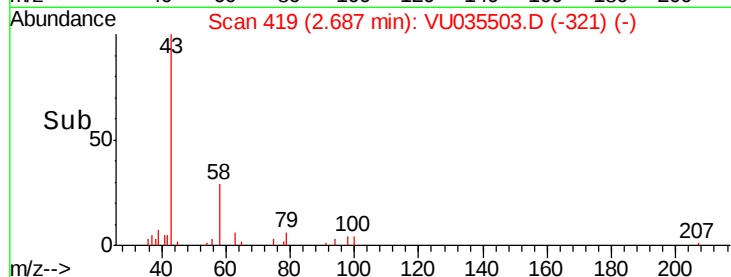
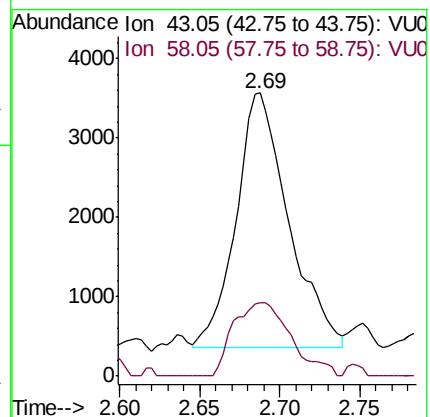
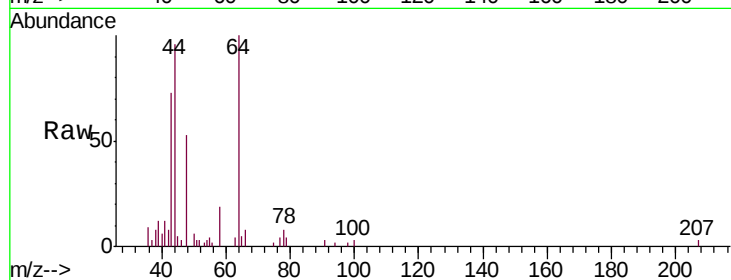
GAQ92

Tgt Ion: 43 Resp: 7194

Ion Ratio Lower Upper

43 100

58 31.7 0.0 63.2



#14

Carbon disulfide

Concen: 0.104 ug/L

RT: 2.82 min Scan# 461

Delta R.T. -0.00 min

Lab File: VU035503.D

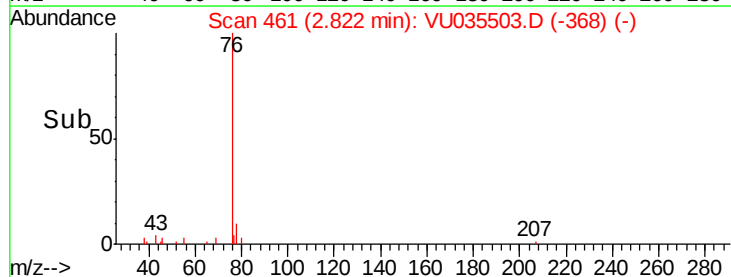
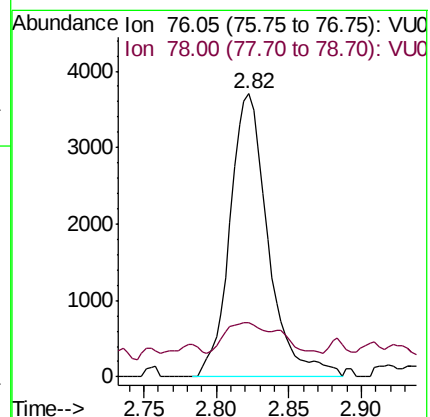
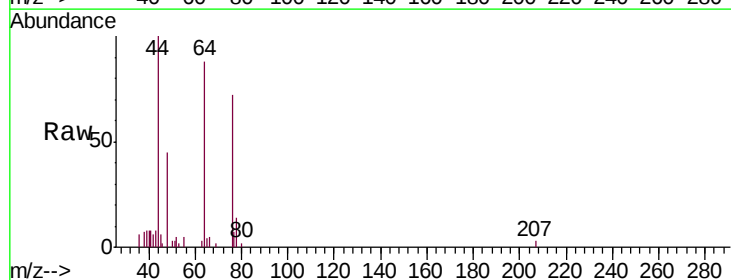
Acq: 25 Oct 2019 22:04

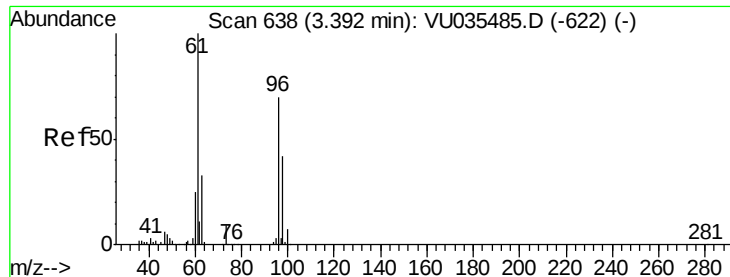
Tgt Ion: 76 Resp: 6787

Ion Ratio Lower Upper

76 100

78 19.1 7.3 10.9#





#18

trans-1,2-Dichloroethene

Concen: 0.522 ug/L

RT: 3.39 min Scan# 637

Delta R.T. -0.00 min

Lab File: VU035503.D

Acq: 25 Oct 2019 22:04

Instrument :

MSVOA_U

ClientSampleId :

GAQ92

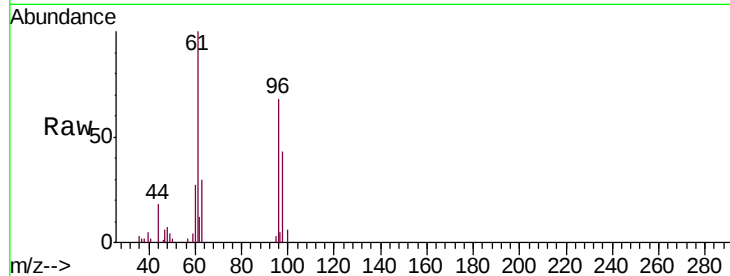
Tgt Ion: 96 Resp: 10506

Ion Ratio Lower Upper

96 100

61 148.1 99.0 184.0

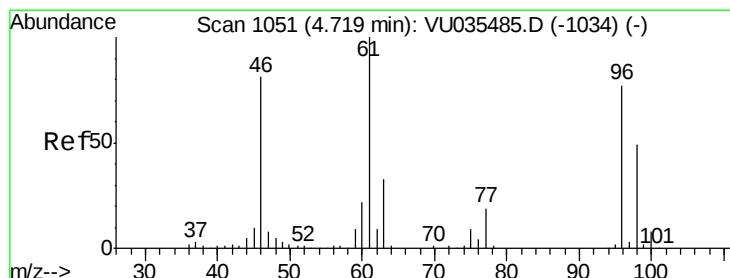
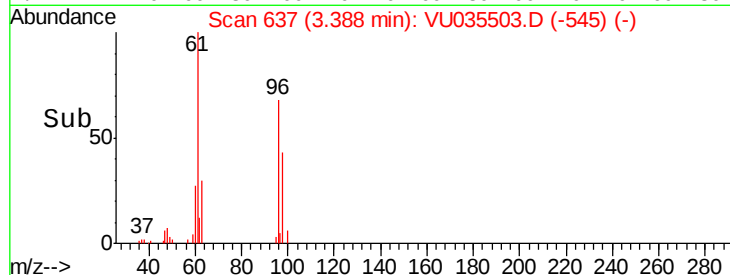
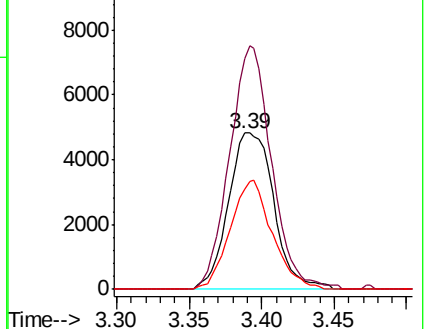
98 63.9 43.8 81.4



Abundance Ion 96.00 (95.70 to 96.70): VU035503.D (-545) (-)

Ion 61.05 (60.75 to 61.75): VU035503.D (-545) (-)

Ion 97.95 (97.65 to 98.65): VU035503.D (-545) (-)



#22

cis-1,2-Dichloroethene

Concen: 4.300 ug/L

RT: 4.72 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VU035503.D

Acq: 25 Oct 2019 22:04

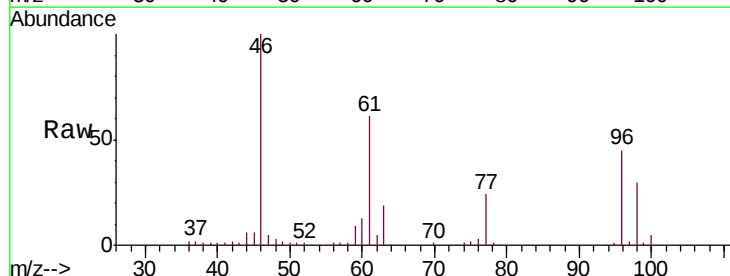
Tgt Ion: 96 Resp: 92341

Ion Ratio Lower Upper

96 100

61 135.4 93.6 173.8

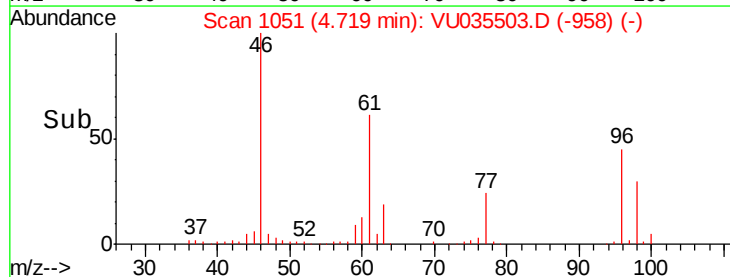
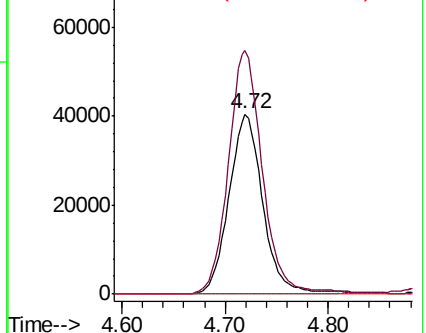
68 0.0 0.0 0.0

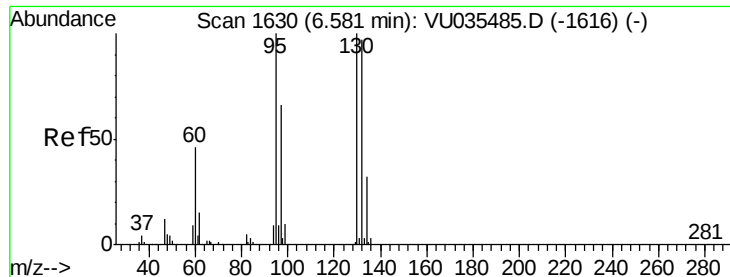


Abundance Ion 96.00 (95.70 to 96.70): VU035503.D (-958) (-)

Ion 61.05 (60.75 to 61.75): VU035503.D (-958) (-)

Ion 68.15 (67.85 to 68.85): VU035503.D (-958) (-)





#34

Trichloroethene

Concen: 9.300 ug/L

RT: 6.58 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VU035503.D

Acq: 25 Oct 2019 22:04

Instrument :

MSVOA_U

ClientSampleId :

GAQ92

Tgt Ion: 95 Resp: 200453

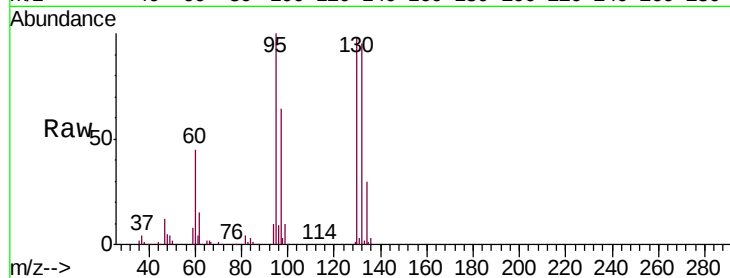
Ion Ratio Lower Upper

95 100

97 63.7 43.8 81.4

132 95.4 67.3 124.9

130 97.9 70.6 131.2

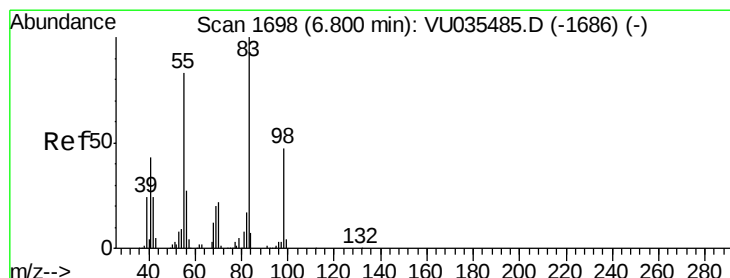
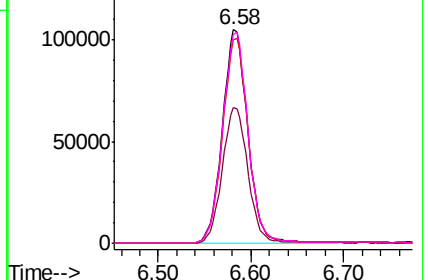
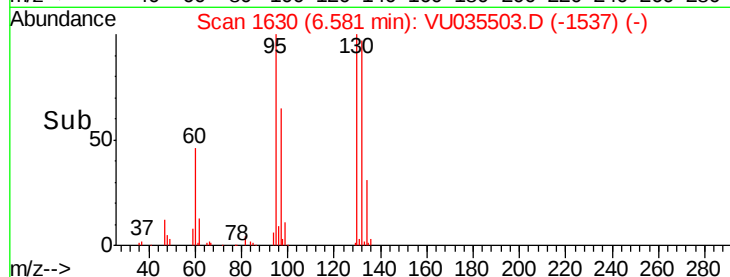


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 0.927 ug/L

RT: 6.74 min Scan# 1678

Delta R.T. -0.06 min

Lab File: VU035503.D

Acq: 25 Oct 2019 22:04

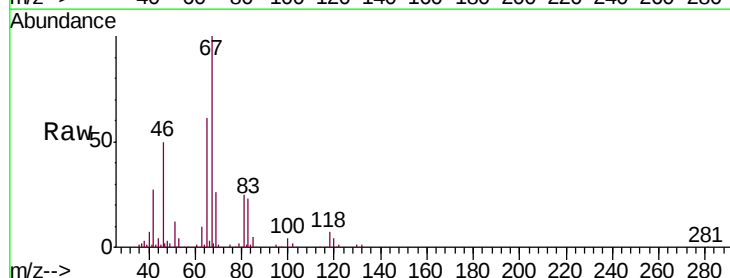
Tgt Ion: 83 Resp: 30928

Ion Ratio Lower Upper

83 100

55 0.6 67.3 100.9#

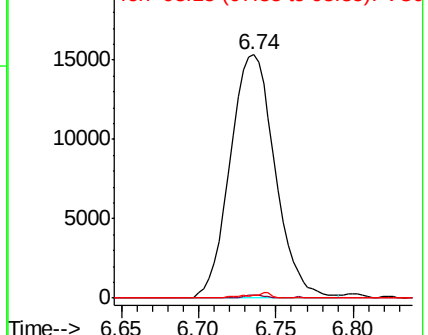
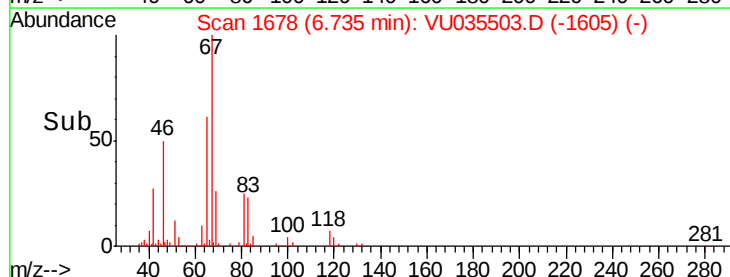
98 1.1 39.0 58.6#

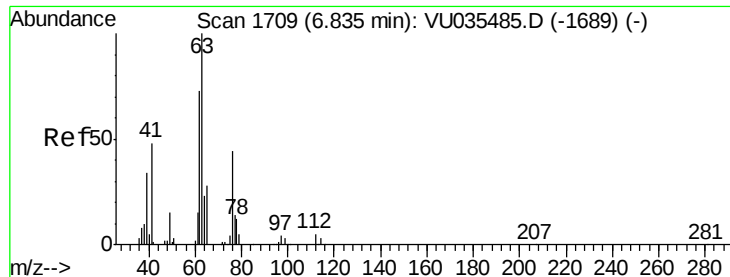


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

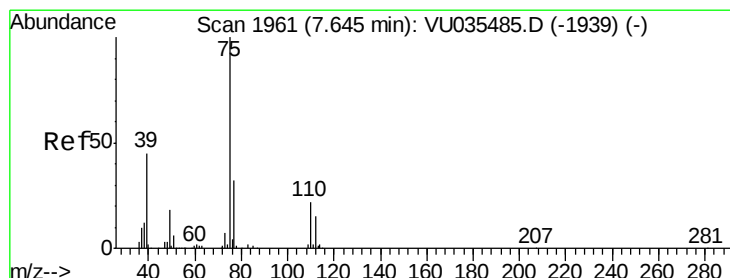
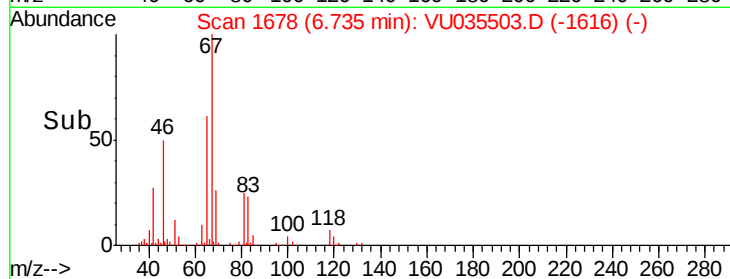
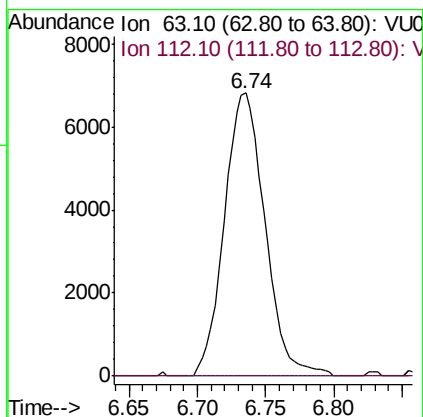
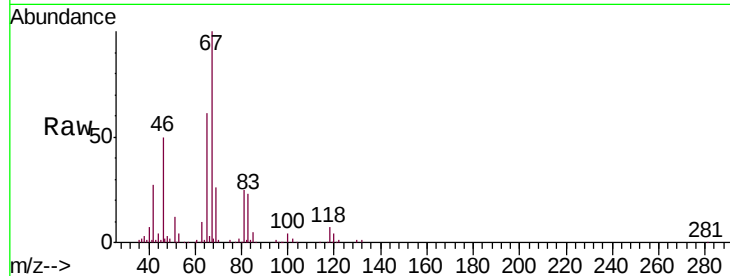




#37
 1,2-Dichloropropane
 Concen: 0.609 ug/L
 RT: 6.74 min Scan# 1678
 Delta R.T. -0.10 min
 Lab File: VU035503.D
 Acq: 25 Oct 2019 22:04

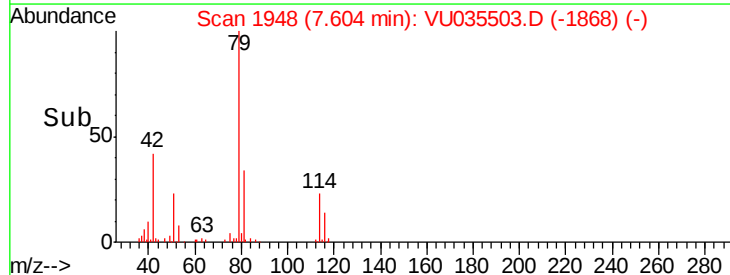
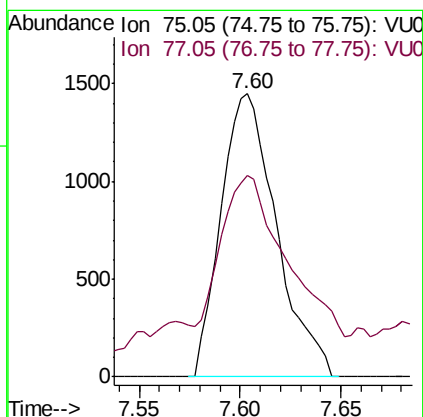
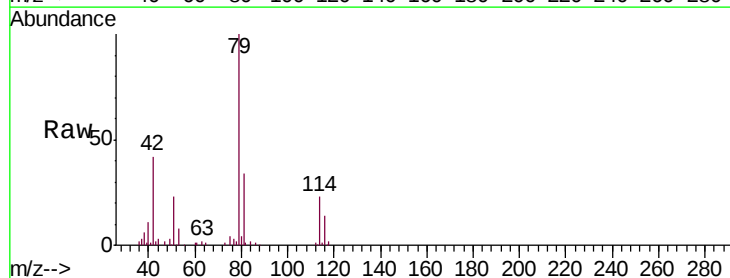
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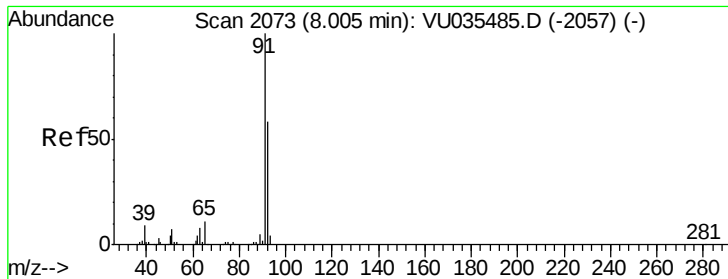
Tgt Ion: 63 Resp: 14117
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.6 5.4#



#39
 cis-1,3-Dichloropropene
 Concen: 0.086 ug/L
 RT: 7.60 min Scan# 1948
 Delta R.T. -0.04 min
 Lab File: VU035503.D
 Acq: 25 Oct 2019 22:04

Tgt Ion: 75 Resp: 2778
 Ion Ratio Lower Upper
 75 100
 77 71.1 22.0 40.8#





#42

Toluene

Concen: 0.108 ug/L

RT: 8.00 min Scan# 2072

Delta R.T. -0.00 min

Lab File: VU035503.D

Acq: 25 Oct 2019 22:04

Instrument :

MSVOA_U

ClientSampleId :

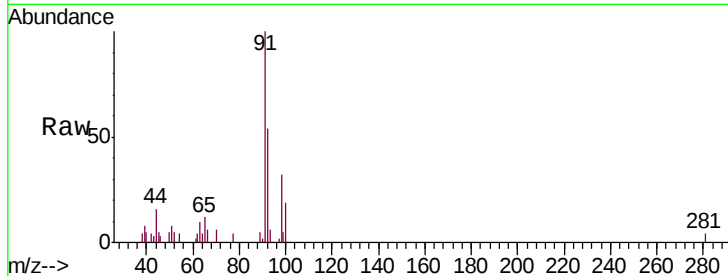
GAQ92

Tgt Ion: 91 Resp: 9658

Ion Ratio Lower Upper

91 100

92 53.7 40.9 75.9



Abundance Ion 91.15 (90.85 to 91.85): VU035485.D (-2057) (-)

Ion 92.15 (91.85 to 92.85): VU035485.D (-2057) (-)

8.00

6000

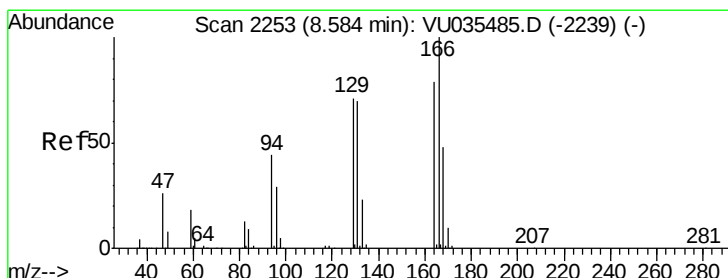
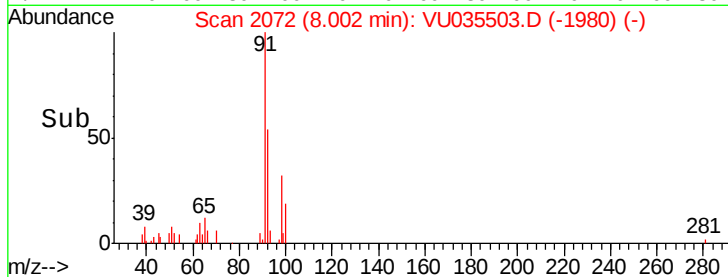
4000

2000

0

7.95 8.00 8.05

Time-->



#47

Tetrachloroethene

Concen: 4.613 ug/L

RT: 8.58 min Scan# 2253

Delta R.T. -0.00 min

Lab File: VU035503.D

Acq: 25 Oct 2019 22:04

Tgt Ion: 164 Resp: 81635

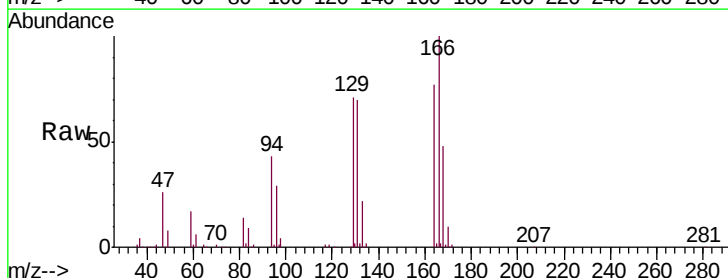
Ion Ratio Lower Upper

164 100

129 91.9 64.6 120.0

131 90.0 63.1 117.3

166 129.2 90.4 168.0



Abundance Ion 163.90 (163.60 to 164.60): VU035485.D (-2239) (-)

Ion 128.95 (128.65 to 129.65): VU035485.D (-2239) (-)

Ion 130.95 (130.65 to 131.65): VU035485.D (-2239) (-)

Ion 165.90 (165.60 to 166.60): VU035485.D (-2239) (-)

8.58

80000

60000

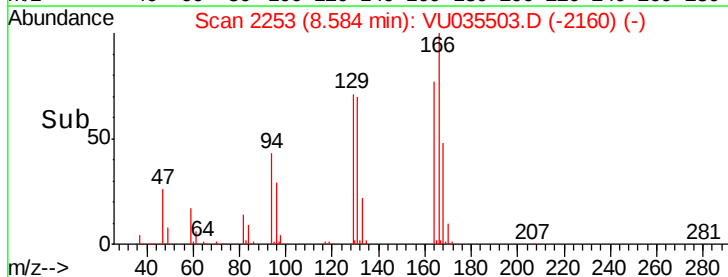
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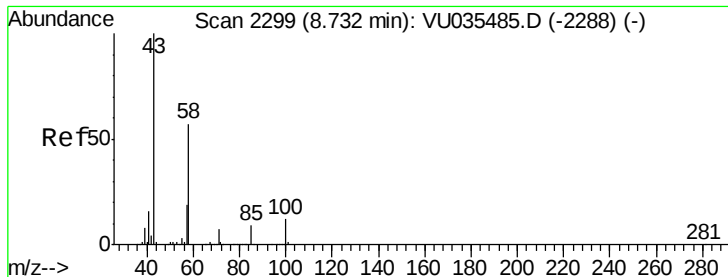
20000

0

8.50 8.55 8.60 8.65

Time-->

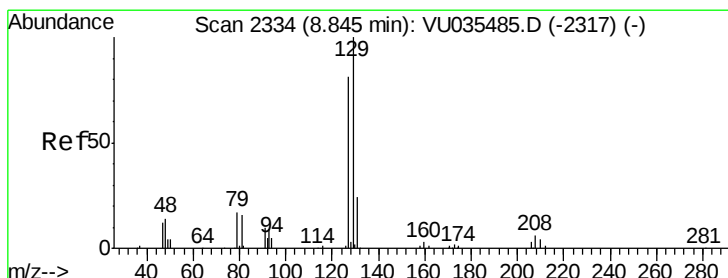
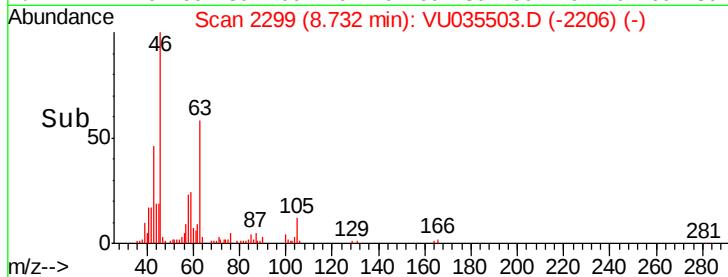
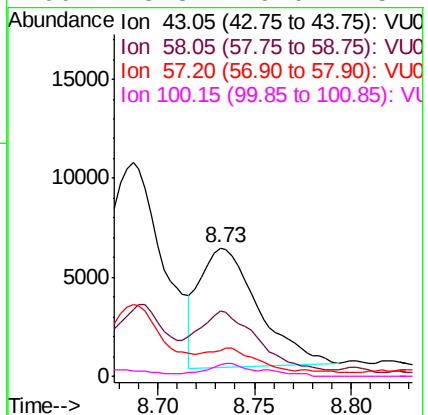
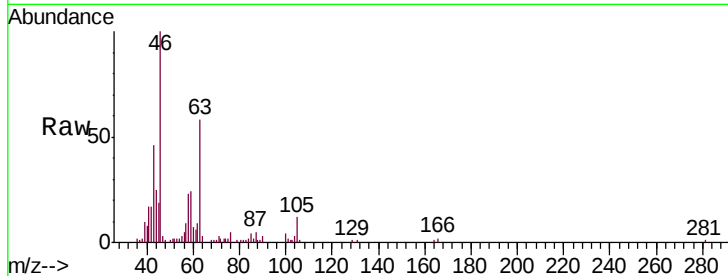




#48
2-Hexanone
Concen: 1.372 ug/L
RT: 8.73 min Scan# 2299
Delta R.T. -0.00 min
Lab File: VU035503.D
Acq: 25 Oct 2019 22:04

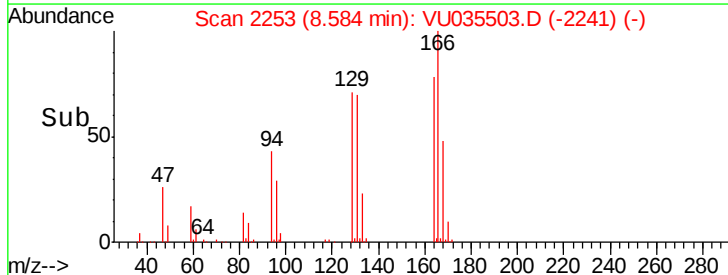
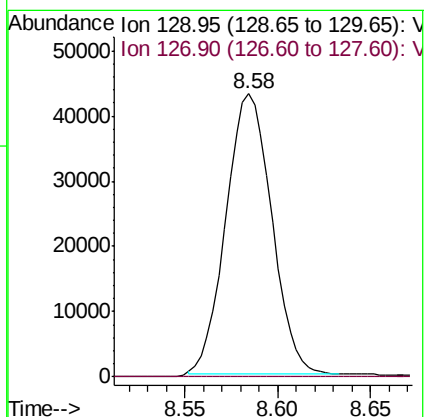
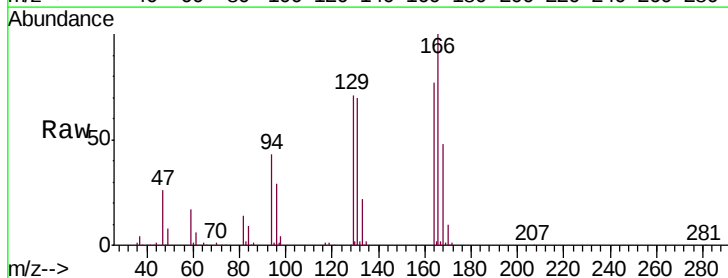
Instrument :
MSVOA_U
ClientSampleId :
GAQ92

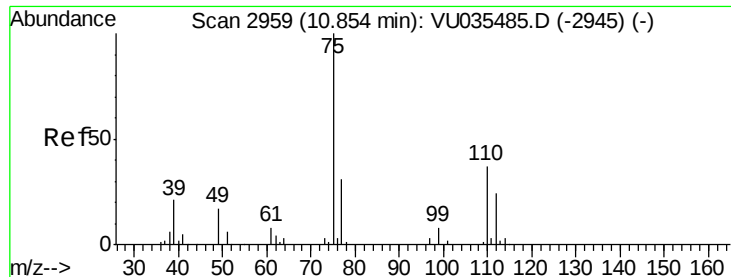
Tgt Ion: 43 Resp: 12664
Ion Ratio Lower Upper
43 100
58 56.7 43.1 64.7
57 12.0 14.2 21.2#
100 5.3 9.0 13.4#



#49
Dibromochloromethane
Concen: 3.910 ug/L
RT: 8.58 min Scan# 2253
Delta R.T. -0.26 min
Lab File: VU035503.D
Acq: 25 Oct 2019 22:04

Tgt Ion: 129 Resp: 73646
Ion Ratio Lower Upper
129 100
127 0.0 55.6 103.4#





#59

1,2,3-Trichloropropane

Concen: 0.735 ug/L

RT: 11.84 min Scan# 3266

Delta R.T. 0.99 min

Lab File: VU035503.D

Acq: 25 Oct 2019 22:04

Instrument :

MSVOA_U

ClientSampleId :

GAQ92

Tgt Ion: 75 Resp: 10920

Ion Ratio Lower Upper

75 100

77 31.7 27.4 41.0

