

Data File : VU035502.D
Acq On : 25 Oct 2019 21:40
Operator : JC/SP
Sample : K5554-11
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GAQ91

Quant Time: Oct 26 04:11:59 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	195446	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	223082	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	86849	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	122037	4.70	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.00%
7) Chloroethane-d5	1.93	69	101108	4.79	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.80%
11) 1,1-Dichloroethene-d2	2.59	63	155078	3.64	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	72.80%
20) 2-Butanone-d5	4.71	46	256683	49.89	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.78%
24) Chloroform-d	5.11	84	190095	5.10	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.00%
26) 1,2-Dichloroethane-d4	5.75	65	103834	5.13	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.60%
32) Benzene-d6	5.77	84	372476	4.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.40%
36) 1,2-Dichloropropane-d6	6.74	67	124127	4.86	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.20%
41) Toluene-d8	7.93	98	306805	4.32	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.40%
43) trans-1,3-Dichloropropene-	8.22	79	44027	4.43	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.60%
46) 2-Hexanone-d5	8.68	63	182170	47.36	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.72%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	97241	4.65	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.00%
64) 1,2-Dichlorobenzene-d4	12.22	152	96705	5.51	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	110.20%

Target Compounds

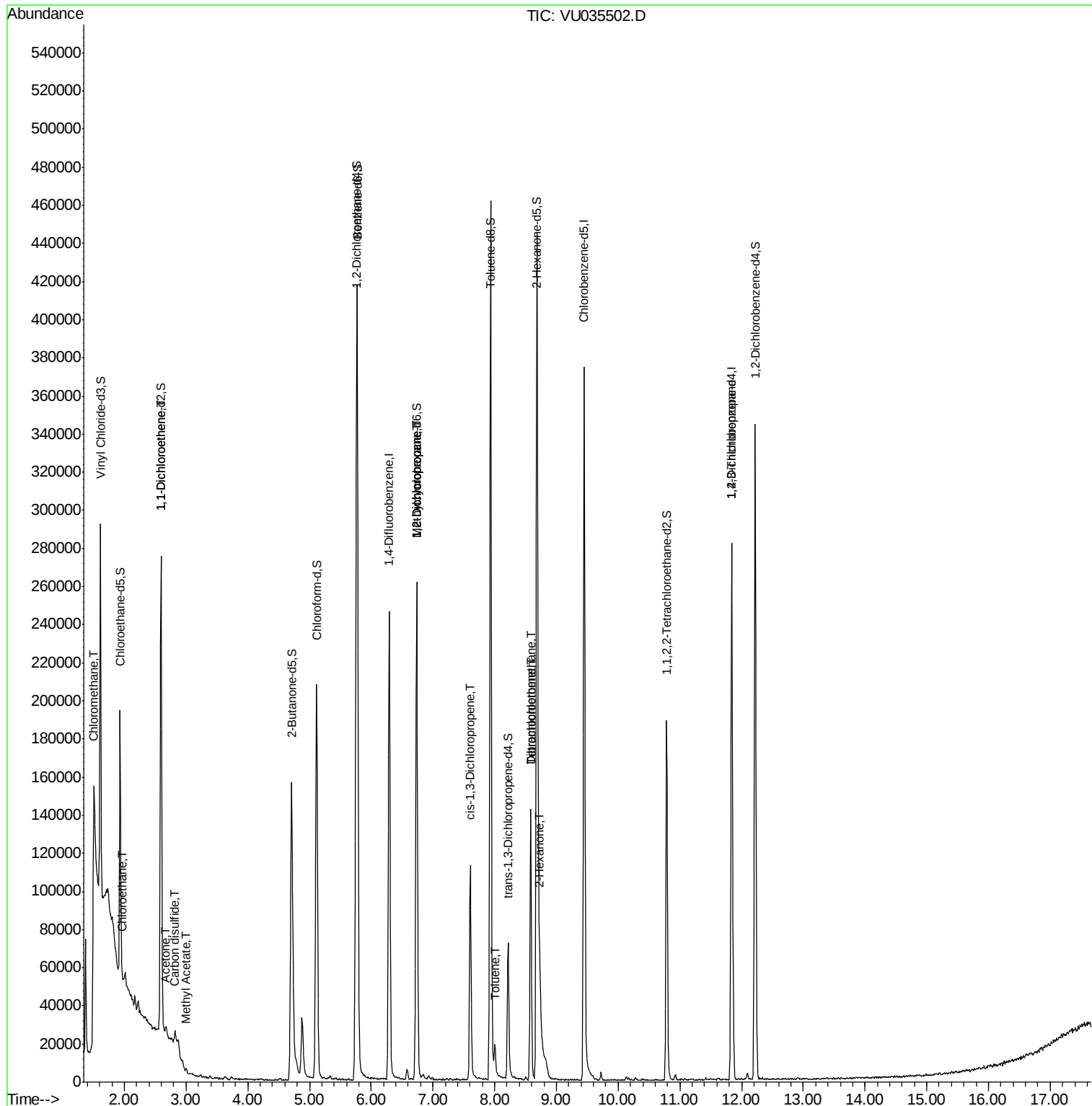
					Qvalue
3) Chloromethane	1.52	50	4641	0.150 ug/L #	42
8) Chloroethane	1.97	64	2374	0.132 ug/L #	52
12) 1,1-Dichloroethene	2.59	96	1210	0.065 ug/L #	1
13) Acetone	2.68	43	6972	1.784 ug/L	91
14) Carbon disulfide	2.82	76	7480	0.114 ug/L #	78
15) Methyl Acetate	3.00	43	3347	0.374 ug/L #	75
35) Methylcyclohexane	6.74	83	28026	0.830 ug/L #	15
37) 1,2-Dichloropropane	6.73	63	12895	0.549 ug/L #	86
39) cis-1,3-Dichloropropene	7.61	75	3092	0.095 ug/L #	42
42) Toluene	8.01	91	9845	0.109 ug/L	90
47) Tetrachloroethene	8.59	164	32454	1.811 ug/L	96
48) 2-Hexanone	8.73	43	13428	1.437 ug/L	90
49) Dibromochloromethane	8.58	129	29066	1.524 ug/L #	10
59) 1,2,3-Trichloropropane	11.84	75	10178	0.677 ug/L	93

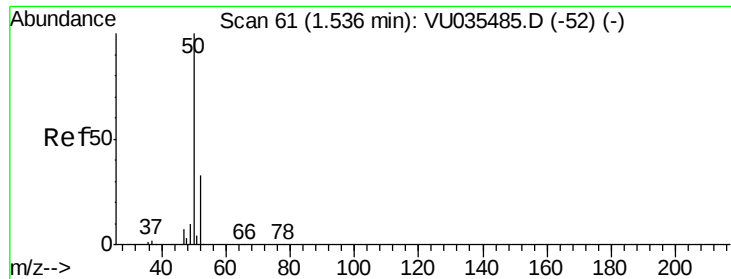
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.150 ug/L

RT: 1.52 min Scan# 55

Delta R.T. -0.02 min

Lab File: VU035502.D

Acq: 25 Oct 2019 21:40

Instrument :

MSVOA_U

ClientSampleId :

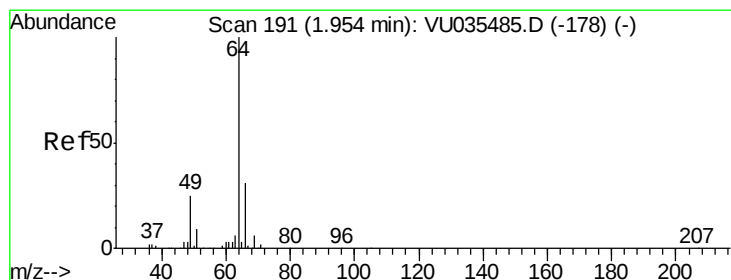
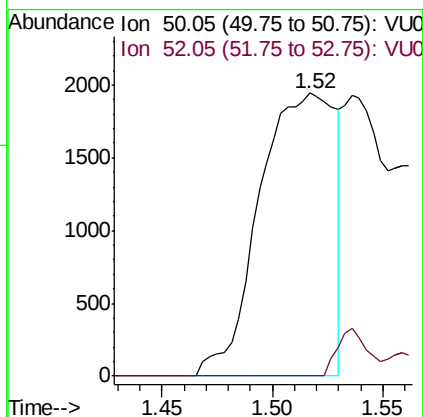
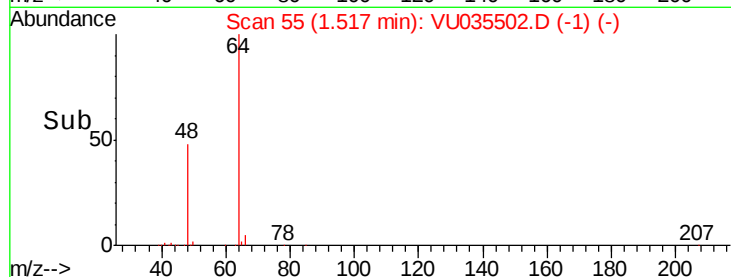
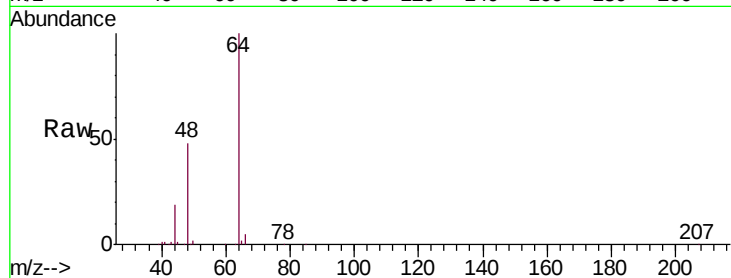
GAQ91

Tgt Ion: 50 Resp: 4641

Ion Ratio Lower Upper

50 100

52 0.0 22.7 42.3#



#8

Chloroethane

Concen: 0.132 ug/L

RT: 1.97 min Scan# 197

Delta R.T. 0.02 min

Lab File: VU035502.D

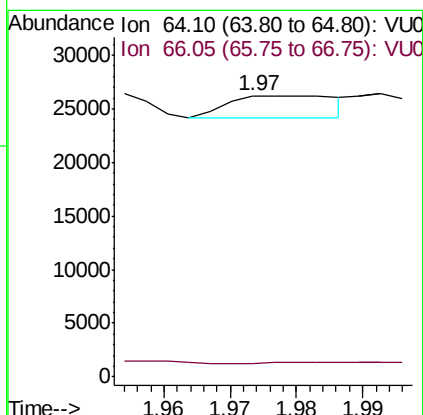
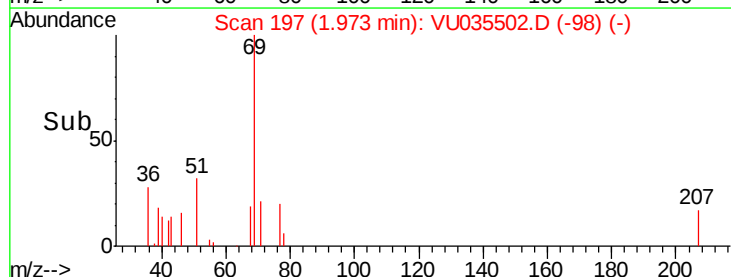
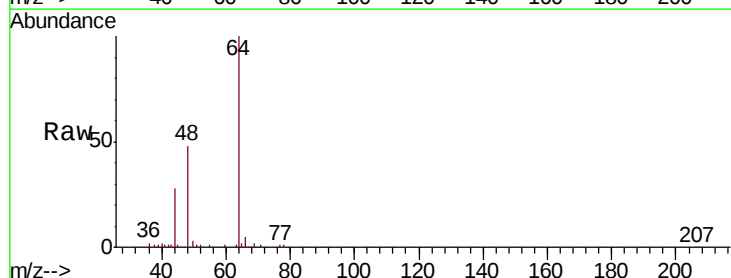
Acq: 25 Oct 2019 21:40

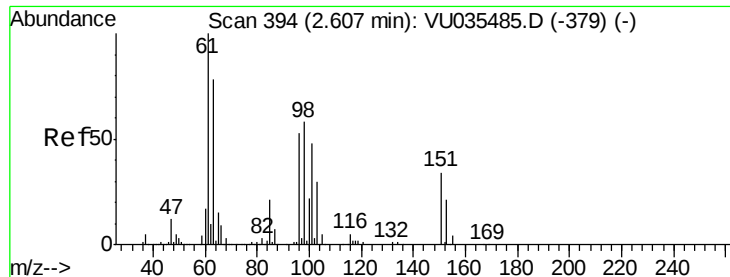
Tgt Ion: 64 Resp: 2374

Ion Ratio Lower Upper

64 100

66 4.8 21.8 40.6#





#12

1,1-Dichloroethene

Concen: 0.065 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.01 min

Lab File: VU035502.D

Acq: 25 Oct 2019 21:40

Instrument :

MSVOA_U

ClientSampleId :

GAQ91

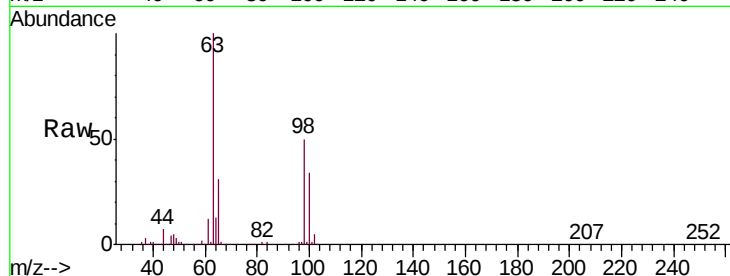
Tgt Ion: 96 Resp: 1210

Ion Ratio Lower Upper

96 100

61 1558.2 131.9 244.9#

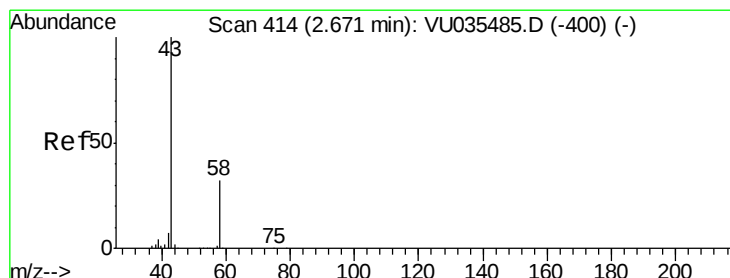
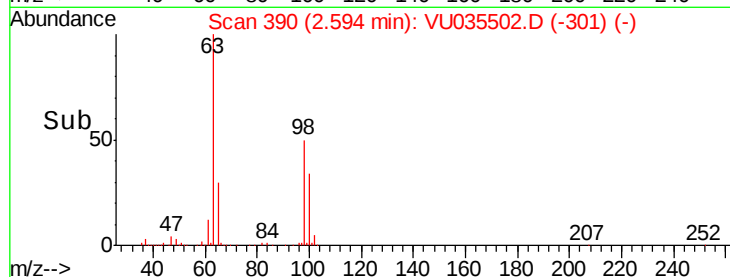
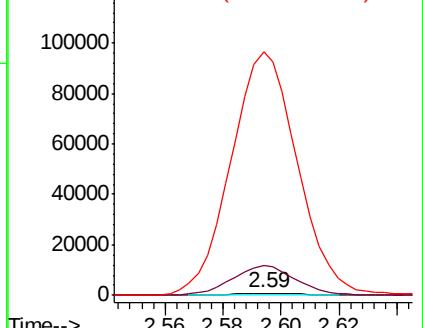
63 12681.2 97.0 180.2#



Abundance Ion 96.00 (95.70 to 96.70): VU035502.D (-301) (-)

Ion 61.05 (60.75 to 61.75): VU035502.D (-301) (-)

Ion 63.00 (62.70 to 63.70): VU035502.D (-301) (-)



#13

Acetone

Concen: 1.784 ug/L

RT: 2.68 min Scan# 417

Delta R.T. 0.01 min

Lab File: VU035502.D

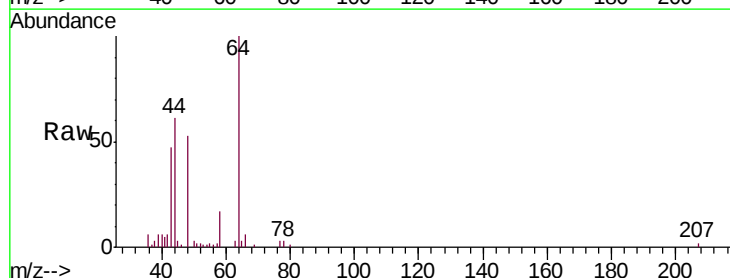
Acq: 25 Oct 2019 21:40

Tgt Ion: 43 Resp: 6972

Ion Ratio Lower Upper

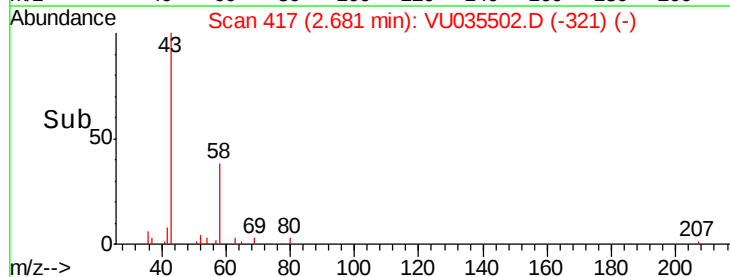
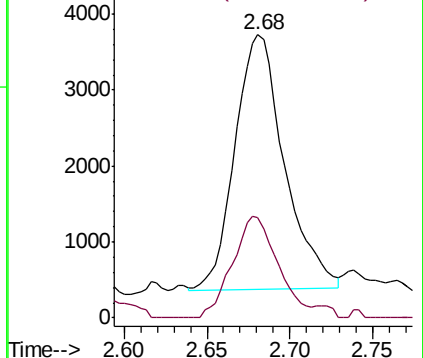
43 100

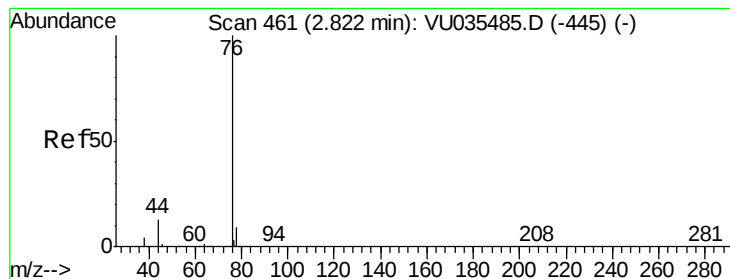
58 36.5 0.0 63.2



Abundance Ion 43.05 (42.75 to 43.75): VU035502.D (-321) (-)

Ion 58.05 (57.75 to 58.75): VU035502.D (-321) (-)





#14

Carbon disulfide

Concen: 0.114 ug/L

RT: 2.82 min Scan# 461

Delta R.T. -0.00 min

Lab File: VU035502.D

Acq: 25 Oct 2019 21:40

Instrument :

MSVOA_U

ClientSampleId :

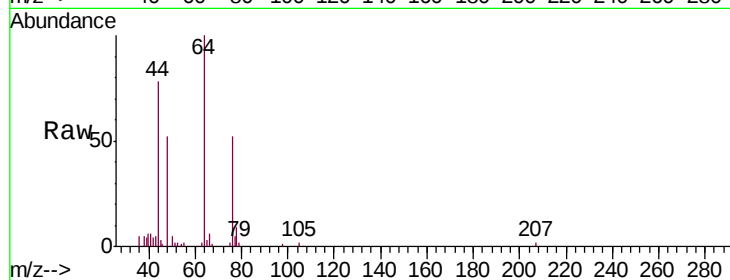
GAQ91

Tgt Ion: 76 Resp: 7480

Ion Ratio Lower Upper

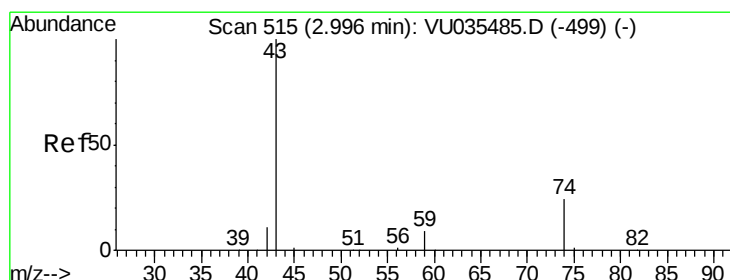
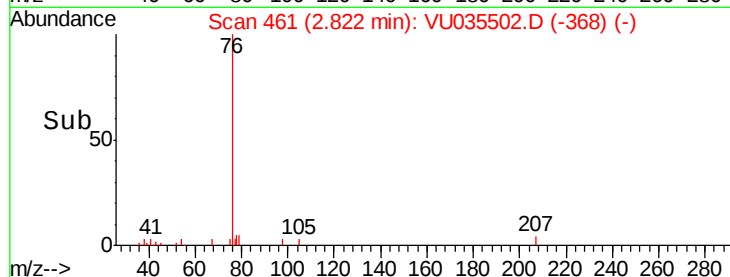
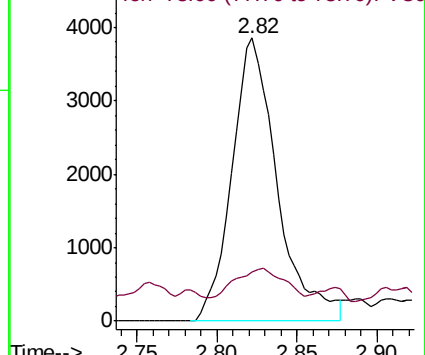
76 100

78 17.2 7.3 10.9#



Abundance Ion 76.05 (75.75 to 76.75): VU035502.D (-368) (-)

Ion 78.00 (77.70 to 78.70): VU035502.D (-368) (-)



#15

Methyl Acetate

Concen: 0.374 ug/L

RT: 3.00 min Scan# 516

Delta R.T. 0.00 min

Lab File: VU035502.D

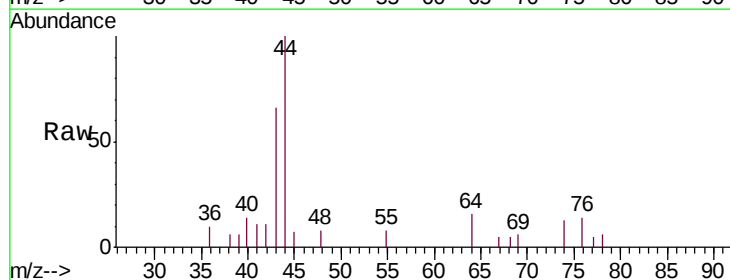
Acq: 25 Oct 2019 21:40

Tgt Ion: 43 Resp: 3347

Ion Ratio Lower Upper

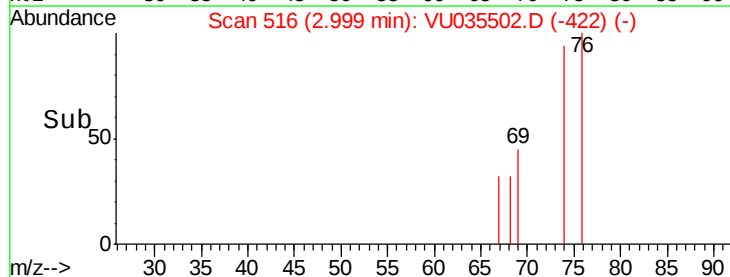
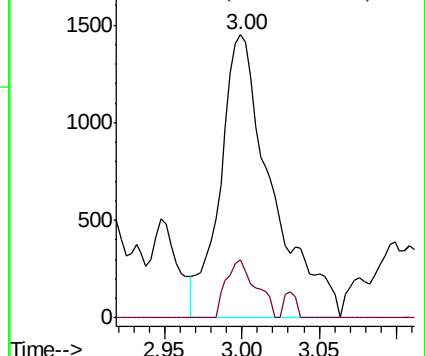
43 100

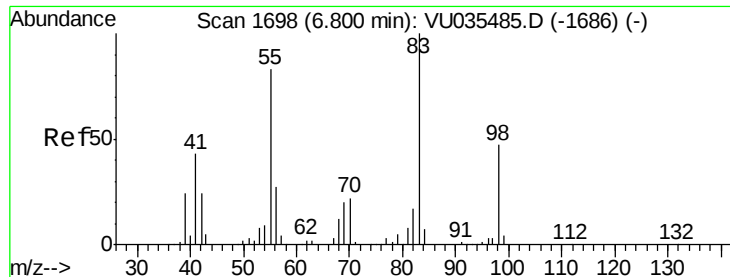
74 11.9 19.4 29.2#



Abundance Ion 43.05 (42.75 to 43.75): VU035502.D (-422) (-)

Ion 74.05 (73.75 to 74.75): VU035502.D (-422) (-)

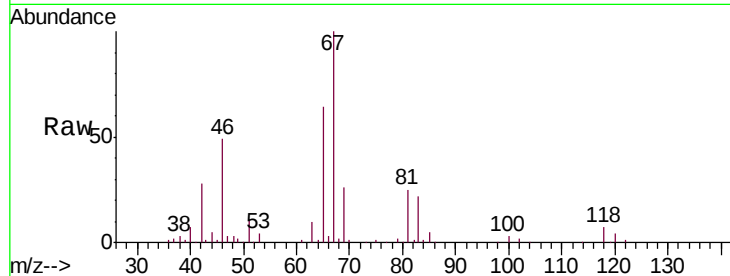




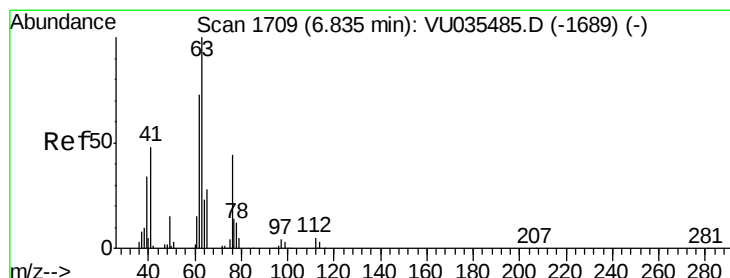
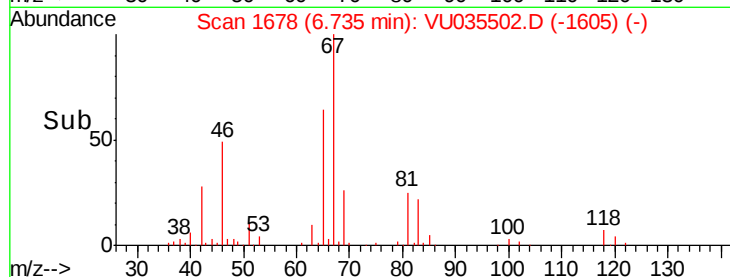
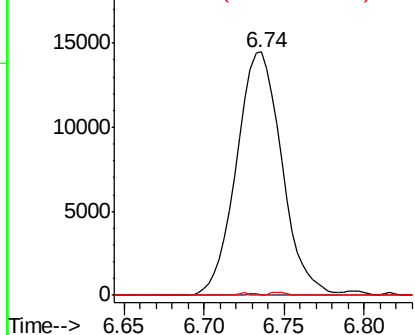
#35
Methylcyclohexane
Concen: 0.830 ug/L
RT: 6.74 min Scan# 1678
Delta R.T. -0.06 min
Lab File: VU035502.D
Acq: 25 Oct 2019 21:40

Instrument :
MSVOA_U
ClientSampleId :
GAQ91

Tgt Ion: 83 Resp: 28026
Ion Ratio Lower Upper
83 100
55 0.0 67.3 100.9#
98 0.5 39.0 58.6#

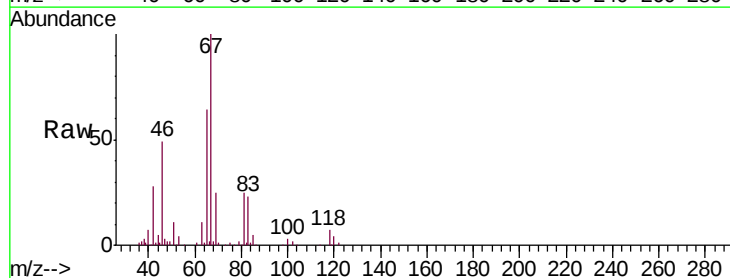


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

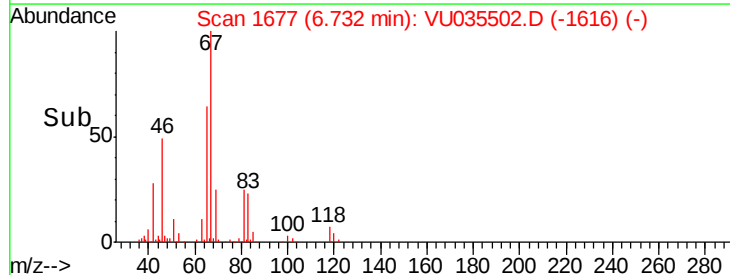
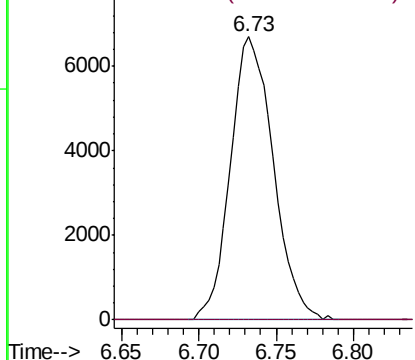


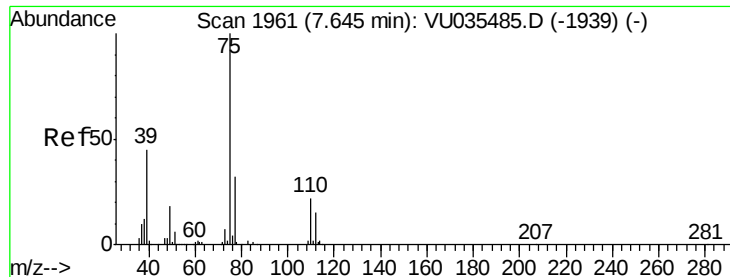
#37
1,2-Dichloropropane
Concen: 0.549 ug/L
RT: 6.73 min Scan# 1677
Delta R.T. -0.10 min
Lab File: VU035502.D
Acq: 25 Oct 2019 21:40

Tgt Ion: 63 Resp: 12895
Ion Ratio Lower Upper
63 100
112 0.0 3.6 5.4#



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: 0.095 ug/L

RT: 7.61 min Scan# 1949

Delta R.T. -0.04 min

Lab File: VU035502.D

Acq: 25 Oct 2019 21:40

Instrument :

MSVOA_U

ClientSampleId :

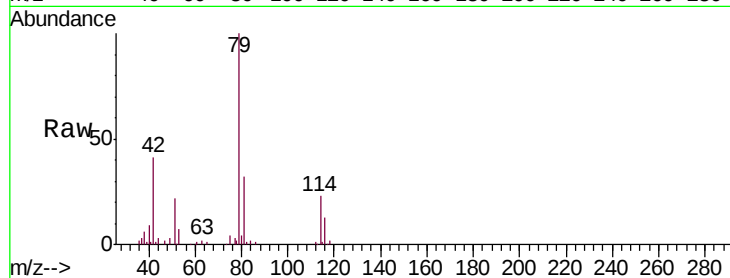
GAQ91

Tgt Ion: 75 Resp: 3092

Ion Ratio Lower Upper

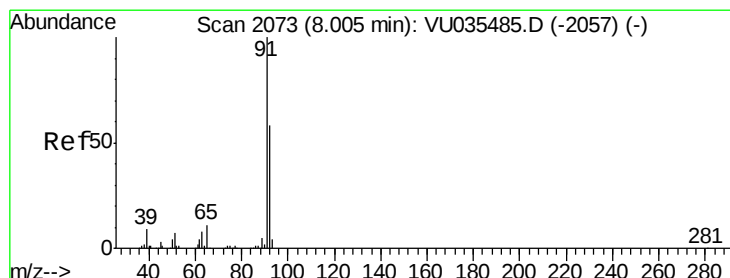
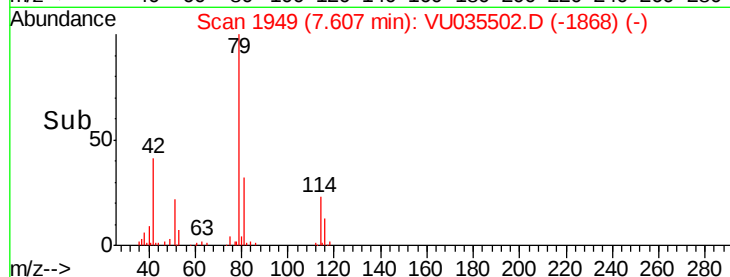
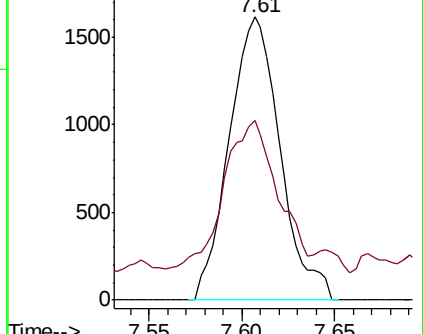
75 100

77 63.7 22.0 40.8#



Abundance Ion 75.05 (74.75 to 75.75): VU035485.D (-1939) (-)

Ion 77.05 (76.75 to 77.75): VU035485.D (-1939) (-)



#42

Toluene

Concen: 0.109 ug/L

RT: 8.01 min Scan# 2073

Delta R.T. -0.00 min

Lab File: VU035502.D

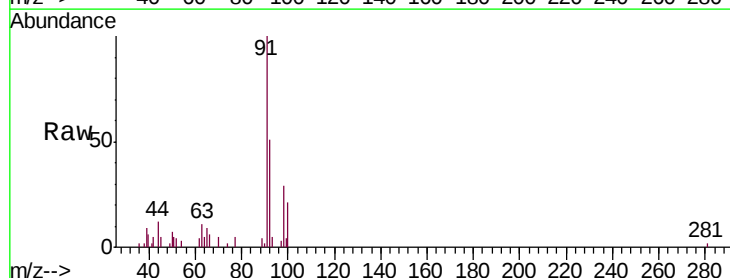
Acq: 25 Oct 2019 21:40

Tgt Ion: 91 Resp: 9845

Ion Ratio Lower Upper

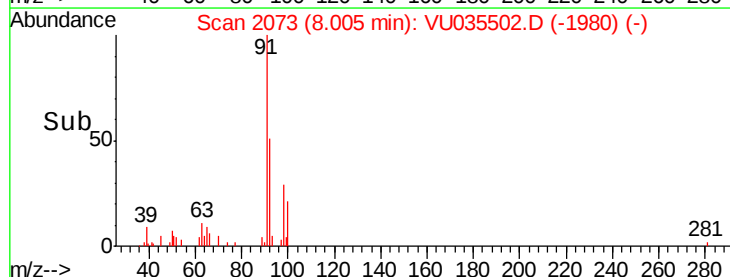
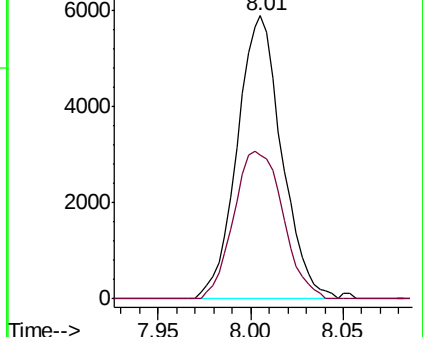
91 100

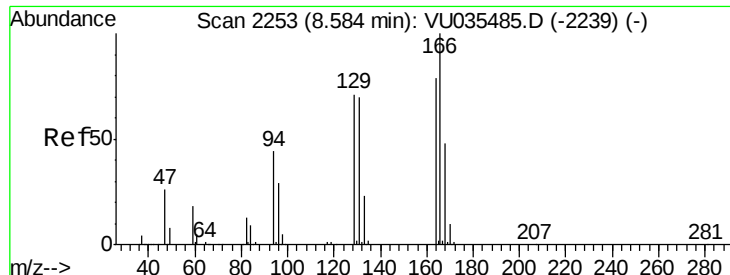
92 50.8 40.9 75.9



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

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





#47

Tetrachloroethene

Concen: 1.811 ug/L

RT: 8.59 min Scan# 2254

Delta R.T. 0.00 min

Lab File: VU035502.D

Acq: 25 Oct 2019 21:40

Instrument :

MSVOA_U

ClientSampleId :

GAQ91

Tgt Ion:164 Resp: 32454

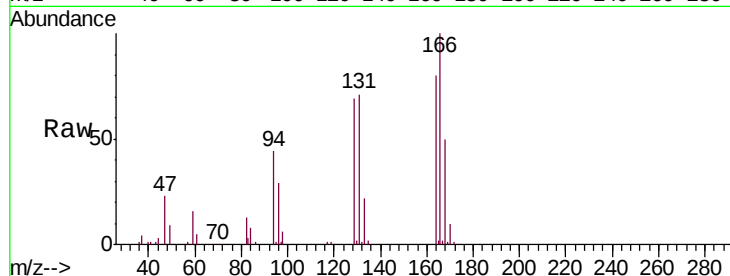
Ion Ratio Lower Upper

164 100

129 85.7 64.6 120.0

131 88.9 63.1 117.3

166 124.4 90.4 168.0

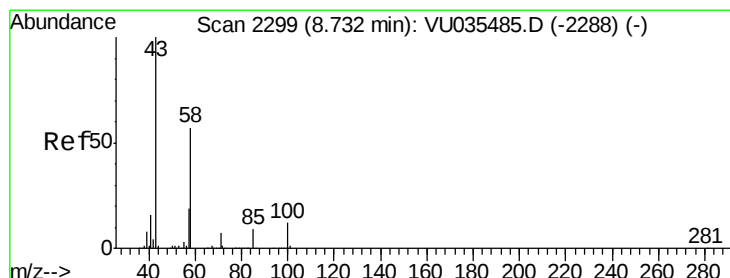
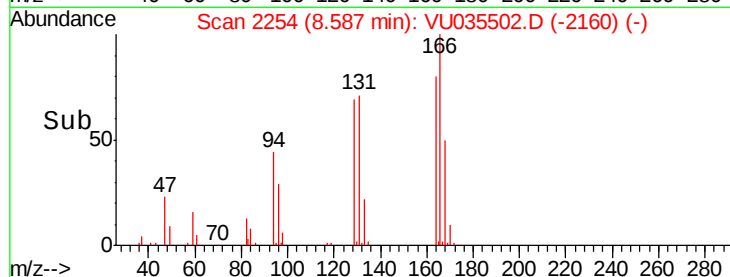
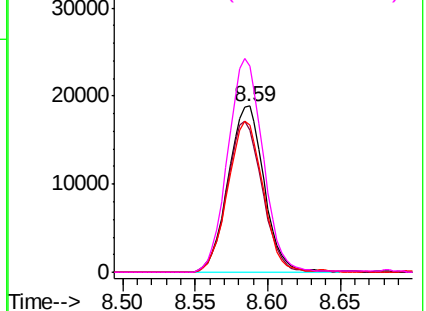


Abundance Ion 163.90 (163.60 to 164.60): V

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



#48

2-Hexanone

Concen: 1.437 ug/L

RT: 8.73 min Scan# 2299

Delta R.T. -0.00 min

Lab File: VU035502.D

Acq: 25 Oct 2019 21:40

Tgt Ion: 43 Resp: 13428

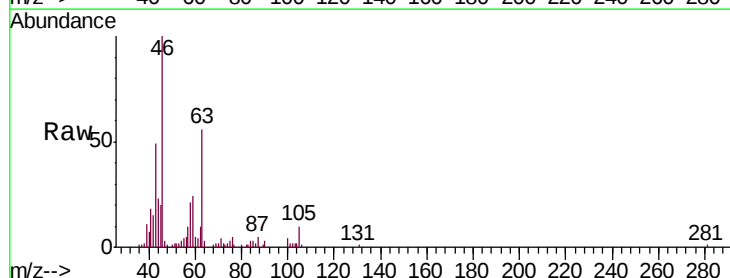
Ion Ratio Lower Upper

43 100

58 43.9 43.1 64.7

57 18.8 14.2 21.2

100 9.6 9.0 13.4

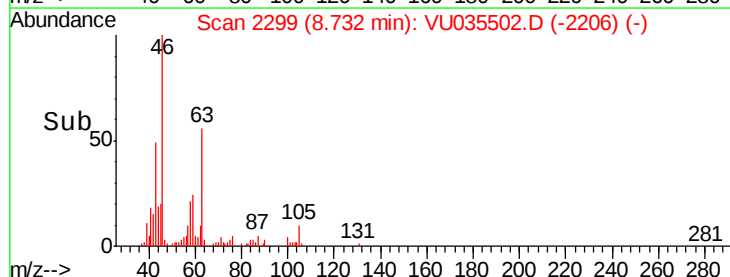
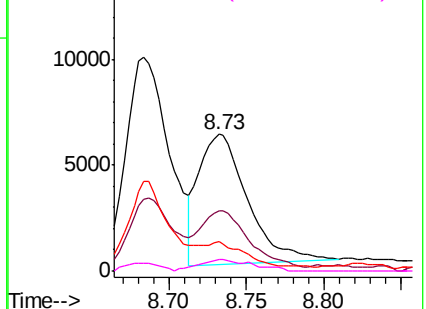


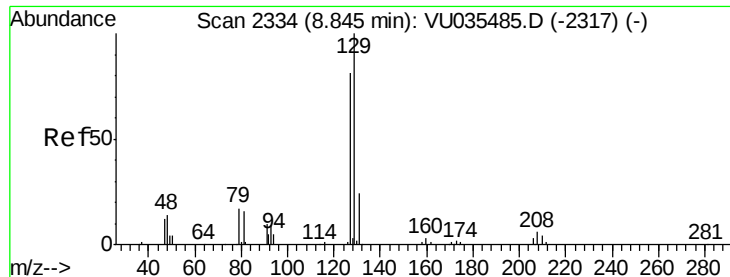
Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

Ion 57.20 (56.90 to 57.90): VU0

Ion 100.15 (99.85 to 100.85): VU0





#49

Dibromochloromethane

Concen: 1.524 ug/L

RT: 8.58 min Scan# 2253

Delta R.T. -0.26 min

Lab File: VU035502.D

Acq: 25 Oct 2019 21:40

Instrument :

MSVOA_U

ClientSampleId :

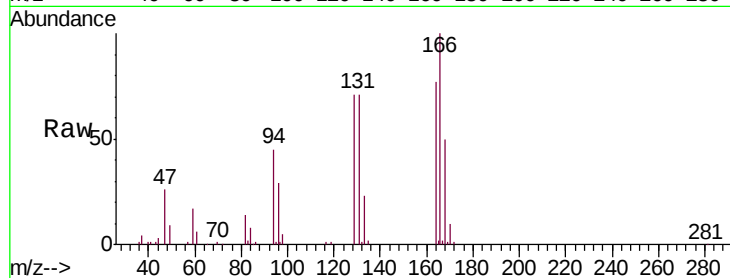
GAQ91

Tgt Ion:129 Resp: 29066

Ion Ratio Lower Upper

129 100

127 0.0 55.6 103.4#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

8.58

15000

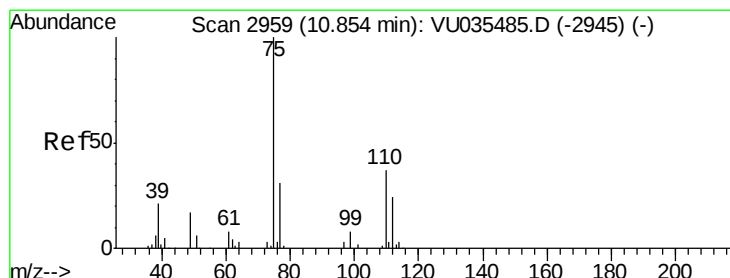
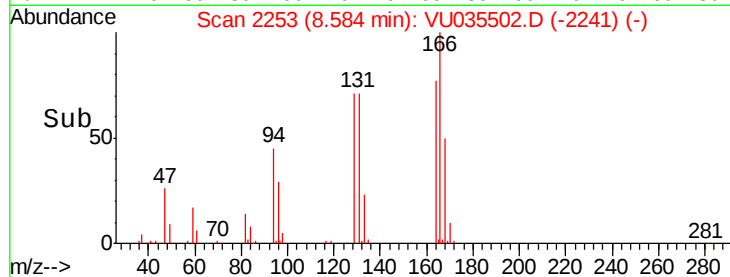
10000

5000

0

Time-->

8.55 8.60 8.65



#59

1,2,3-Trichloropropane

Concen: 0.677 ug/L

RT: 11.84 min Scan# 3265

Delta R.T. 0.98 min

Lab File: VU035502.D

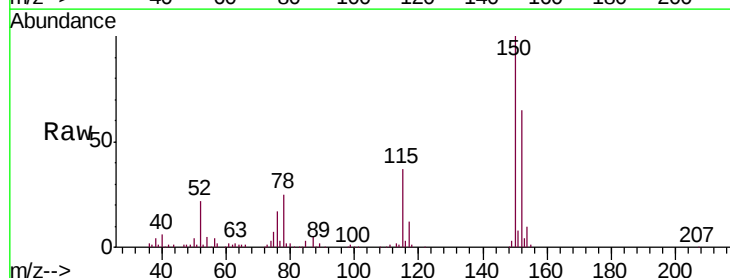
Acq: 25 Oct 2019 21:40

Tgt Ion: 75 Resp: 10178

Ion Ratio Lower Upper

75 100

77 38.4 27.4 41.0



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

11.84

6000

5000

4000

3000

2000

1000

0

Time-->

11.80 11.85 11.90

