

Data File : VU035806.D
Acq On : 21 Nov 2019 16:24
Operator : JC/SP
Sample : K5930-10 10X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
B0AB0

Quant Time: Nov 22 01:37:18 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR112119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Nov 22 01:33:44 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	225968	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	261805	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.85	152	83122	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	153739	5.21	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	104.20%
7) Chloroethane-d5	1.93	69	136987	5.36	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	107.20%
11) 1,1-Dichloroethene-d2	2.60	63	243169	4.43	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	88.60%
20) 2-Butanone-d5	4.70	46	362979	53.13	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	106.26%
24) Chloroform-d	5.11	84	248788	4.98	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.60%
26) 1,2-Dichloroethane-d4	5.75	65	154286	5.50	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	110.00%
32) Benzene-d6	5.77	84	508133	5.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.80%
36) 1,2-Dichloropropane-d6	6.74	67	178885	5.32	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	106.40%
41) Toluene-d8	7.93	98	411057	4.46	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.20%
43) trans-1,3-Dichloropropene-	8.22	79	61500	4.69	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.80%
46) 2-Hexanone-d5	8.70	63	243453	46.25	ug/L	0.02
Spiked Amount	50.000	Range	45 - 130	Recovery	=	92.50%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	135986	4.80	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.00%
64) 1,2-Dichlorobenzene-d4	12.22	152	104668	5.80	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	116.00%

Target Compounds

					Qvalue
5) Vinyl chloride	1.62	62	6243	0.165 ug/L #	1
12) 1,1-Dichloroethene	2.61	96	46599	1.982 ug/L #	52
13) Acetone	2.67	43	20023	3.337 ug/L	96
16) Methylene chloride	3.08	84	6350	0.224 ug/L	95
19) 1,1-Dichloroethane	3.92	63	79696	1.532 ug/L	98
22) cis-1,2-Dichloroethene	4.72	96	476119	18.455 ug/L	98
25) Chloroform	5.14	83	25091	0.496 ug/L	91
34) Trichloroethene	6.58	95	41445	1.547 ug/L	99
35) Methylcyclohexane	6.74	83	37417	0.952 ug/L #	14
37) 1,2-Dichloropropane	6.74	63	20078	0.648 ug/L #	91
47) Tetrachloroethene	8.59	164	5014	0.246 ug/L	88
48) 2-Hexanone	8.75	43	29025	2.072 ug/L #	82
49) Dibromochloromethane	8.59	129	4821	0.202 ug/L #	12
59) 1,2,3-Trichloropropane	11.84	75	11484	0.570 ug/L	93

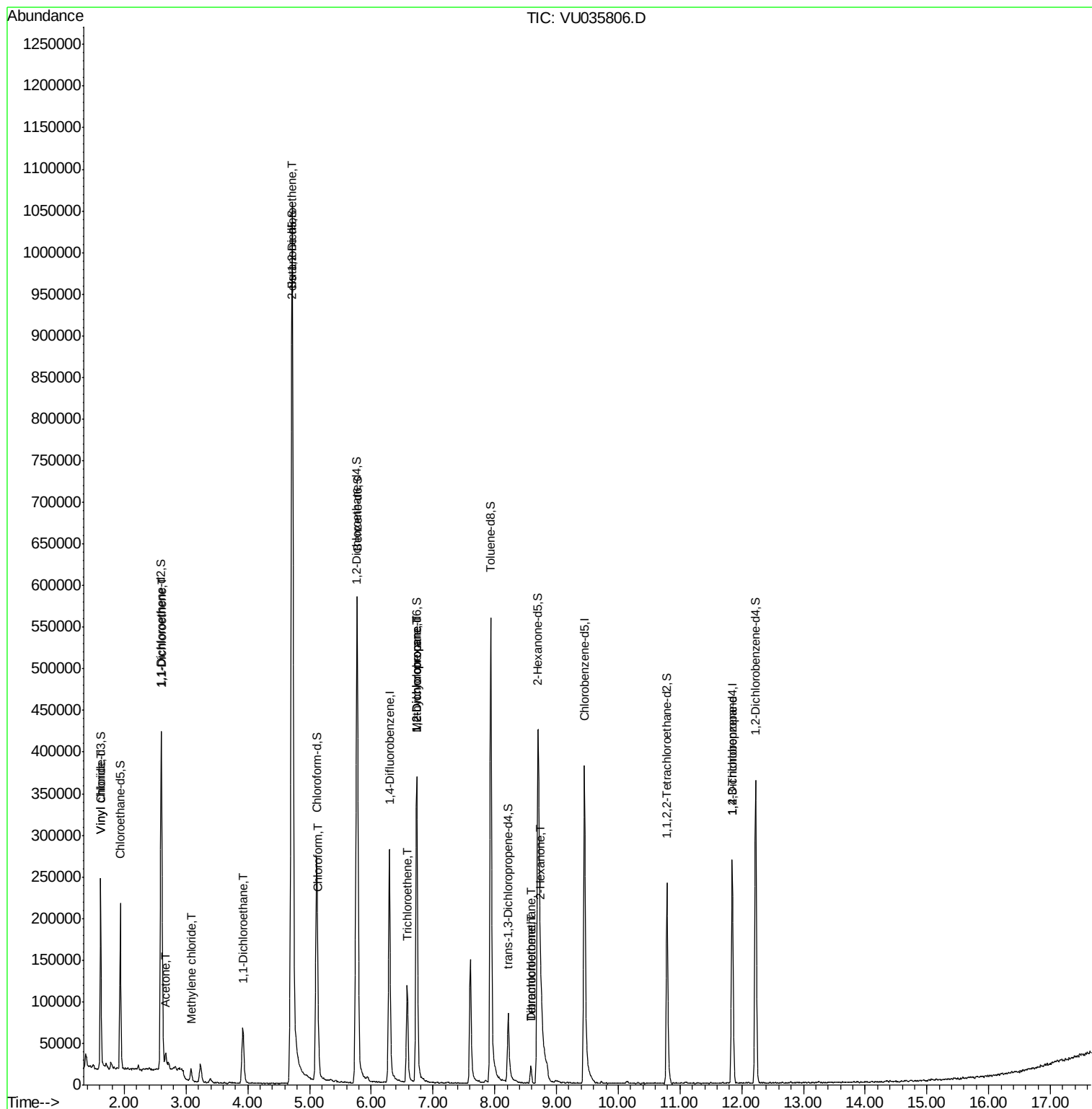
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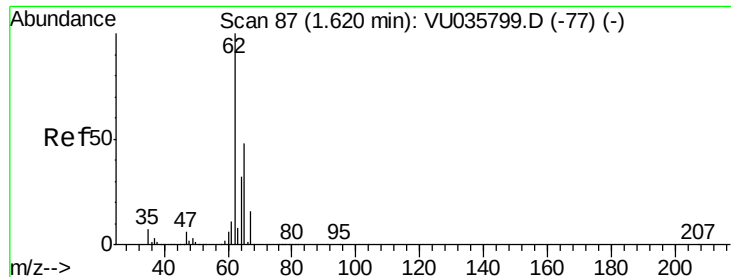
Data File : VU035806.D

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.165 ug/L

RT: 1.62 min Scan# 88

Delta R.T. 0.00 min

Lab File: VU035806.D

Acq: 21 Nov 2019 16:24

Instrument :

MSVOA_U

ClientSampleId :

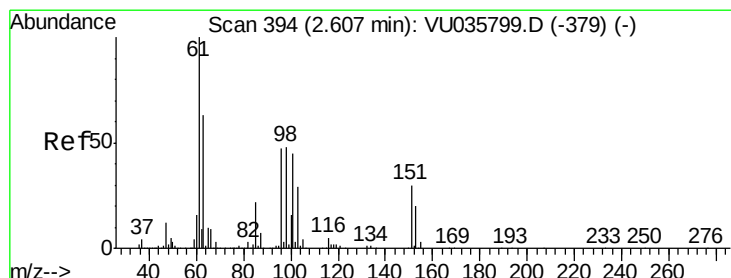
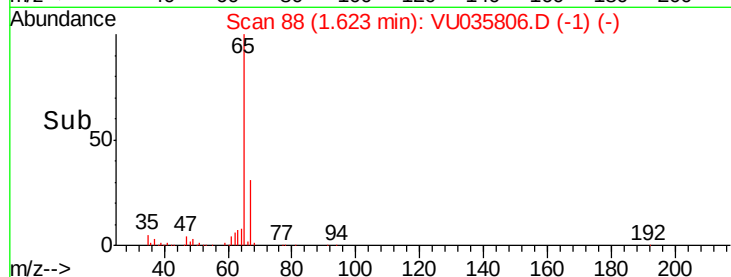
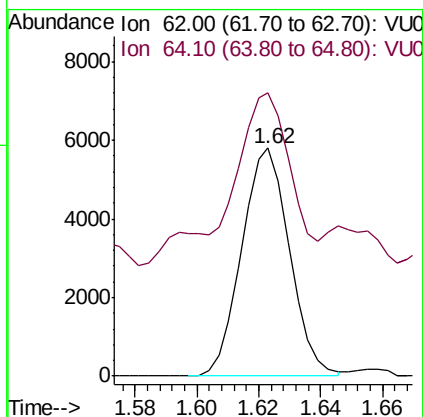
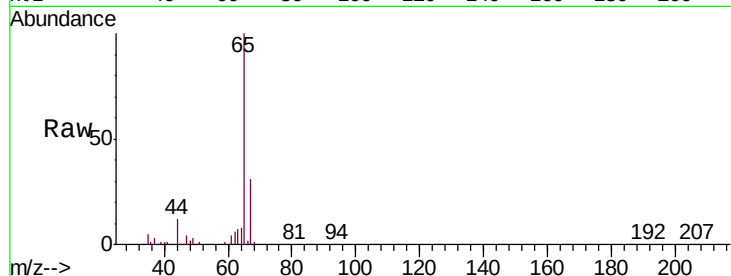
B0AB0

Tgt Ion: 62 Resp: 6243

Ion Ratio Lower Upper

62 100

64 124.0 22.5 41.9#



#12

1,1-Dichloroethene

Concen: 1.982 ug/L

RT: 2.61 min Scan# 395

Delta R.T. 0.00 min

Lab File: VU035806.D

Acq: 21 Nov 2019 16:24

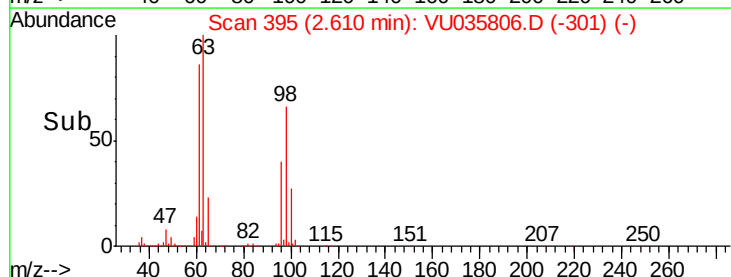
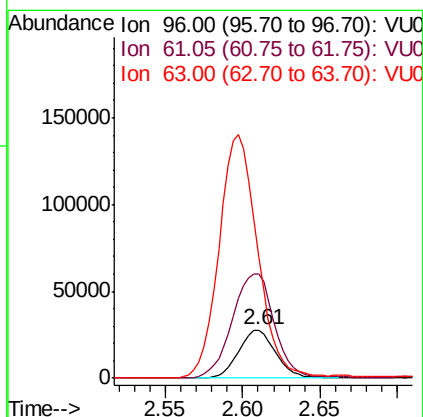
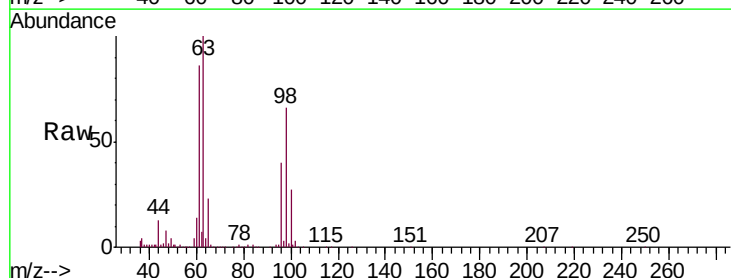
Tgt Ion: 96 Resp: 46599

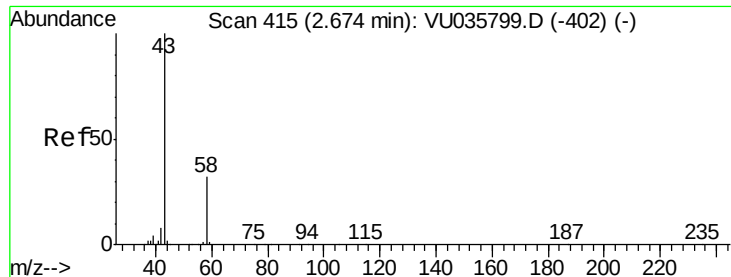
Ion Ratio Lower Upper

96 100

61 217.8 139.3 258.7

63 252.2 93.7 174.1#





#13

Acetone

Concen: 3.337 ug/L

RT: 2.67 min Scan# 414

Delta R.T. -0.00 min

Lab File: VU035806.D

Acq: 21 Nov 2019 16:24

Instrument :

MSVOA_U

ClientSampleId :

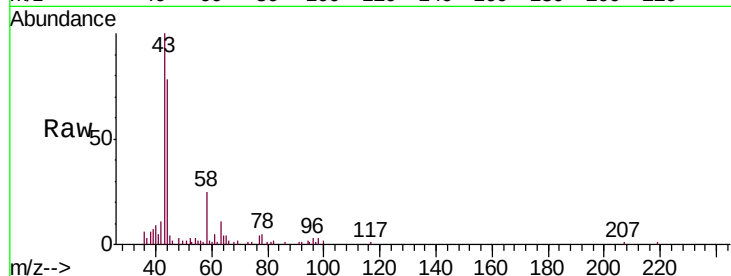
B0AB0

Tgt Ion: 43 Resp: 20023

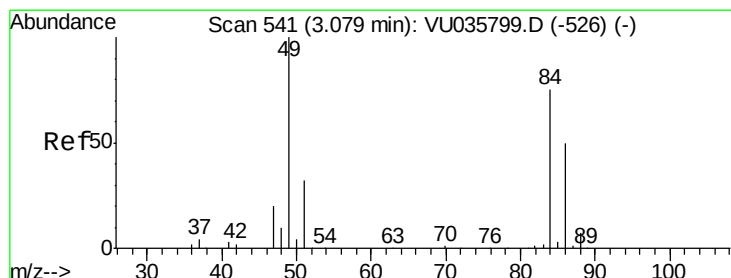
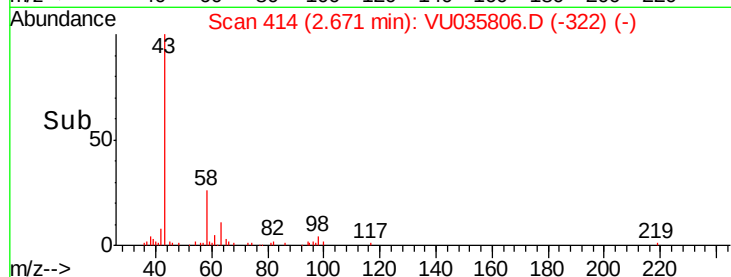
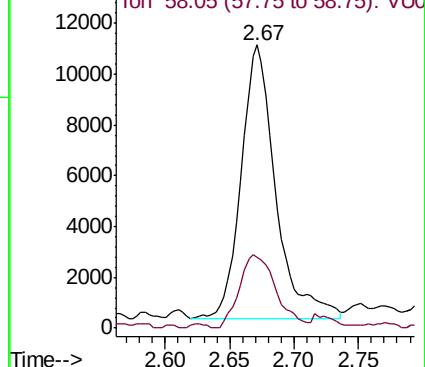
Ion Ratio Lower Upper

43 100

58 28.7 0.0 61.2



Abundance Ion 43.05 (42.75 to 43.75): VU035799.D (-402) (-)



#16

Methylene chloride

Concen: 0.224 ug/L

RT: 3.08 min Scan# 541

Delta R.T. 0.00 min

Lab File: VU035806.D

Acq: 21 Nov 2019 16:24

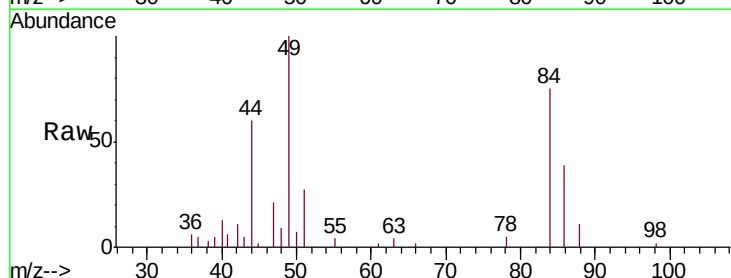
Tgt Ion: 84 Resp: 6350

Ion Ratio Lower Upper

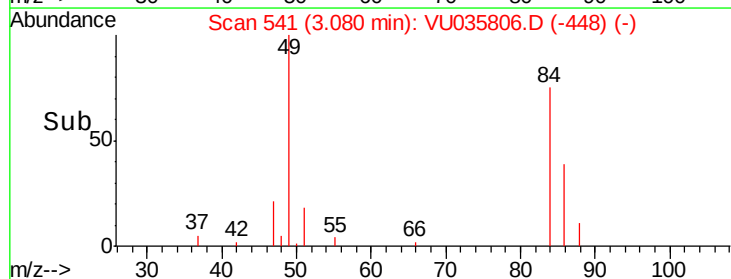
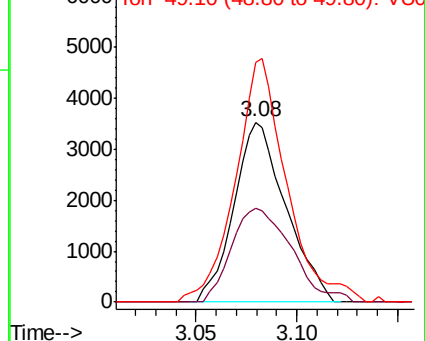
84 100

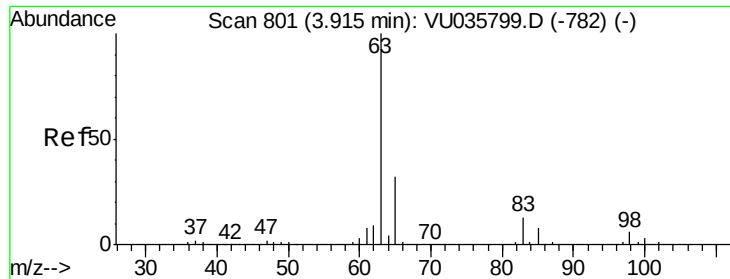
86 52.1 44.4 82.5

49 133.1 94.0 174.6



Abundance Ion 84.05 (83.75 to 84.75): VU035799.D (-526) (-)





#19

1,1-Dichloroethane

Concen: 1.532 ug/L

RT: 3.92 min Scan# 803

Delta R.T. 0.01 min

Lab File: VU035806.D

Acq: 21 Nov 2019 16:24

Instrument :

MSVOA_U

ClientSampleId :

B0AB0

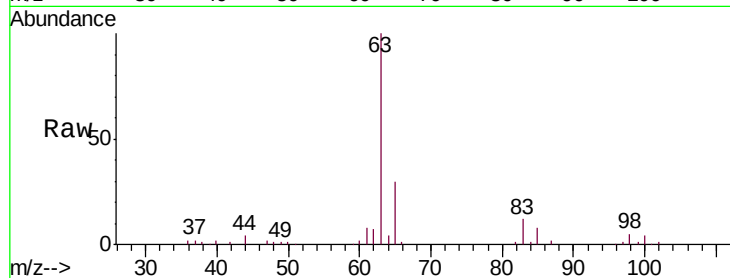
Tgt Ion: 63 Resp: 79696

Ion Ratio Lower Upper

63 100

65 29.5 21.8 40.4

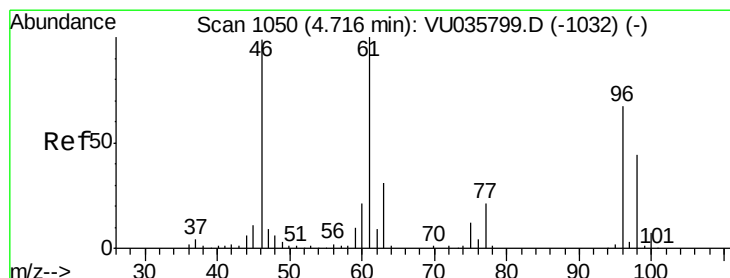
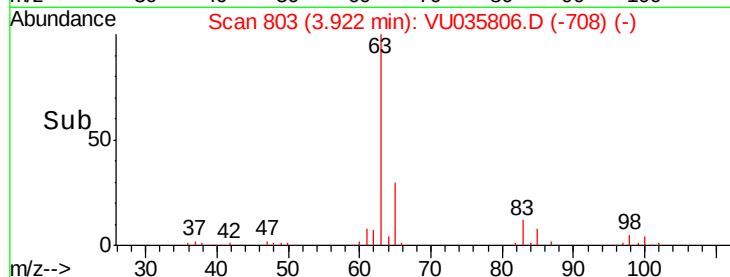
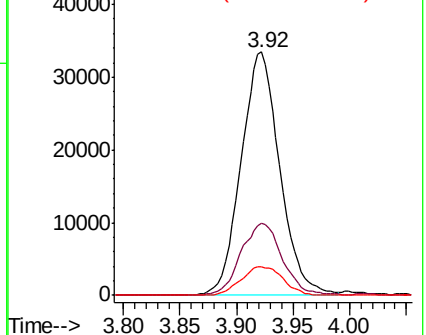
83 11.8 8.6 16.0



Abundance Ion 63.10 (62.80 to 63.80): VU035799.D (-782) (-)

Ion 65.10 (64.80 to 65.80): VU035799.D (-782) (-)

Ion 83.05 (82.75 to 83.75): VU035799.D (-782) (-)



#22

cis-1,2-Dichloroethene

Concen: 18.455 ug/L

RT: 4.72 min Scan# 1052

Delta R.T. 0.01 min

Lab File: VU035806.D

Acq: 21 Nov 2019 16:24

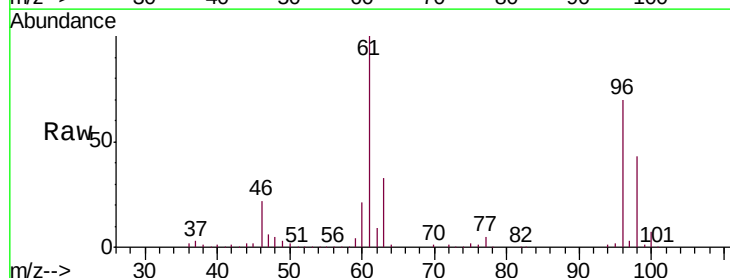
Tgt Ion: 96 Resp: 476119

Ion Ratio Lower Upper

96 100

61 142.5 98.1 182.1

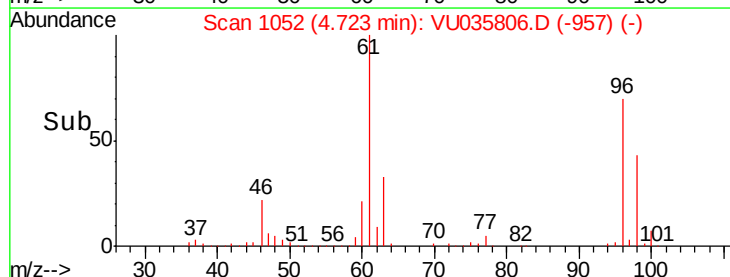
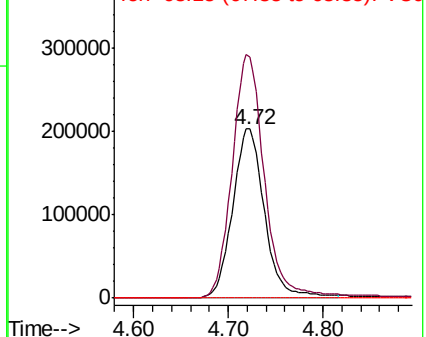
68 0.0 0.0 0.0

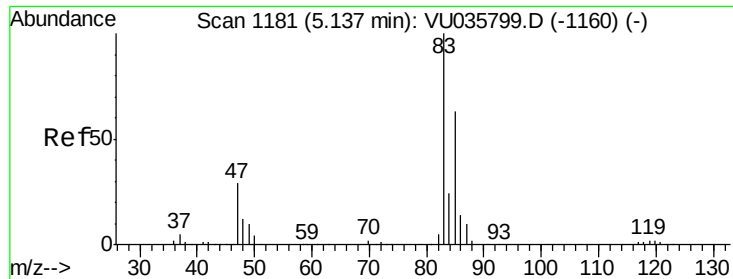


Abundance Ion 96.00 (95.70 to 96.70): VU035799.D (-1032) (-)

Ion 61.05 (60.75 to 61.75): VU035799.D (-1032) (-)

Ion 68.15 (67.85 to 68.85): VU035799.D (-1032) (-)

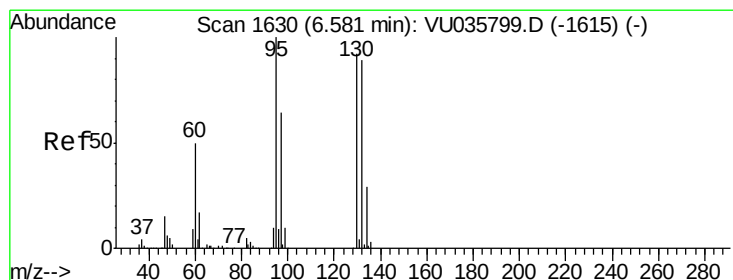
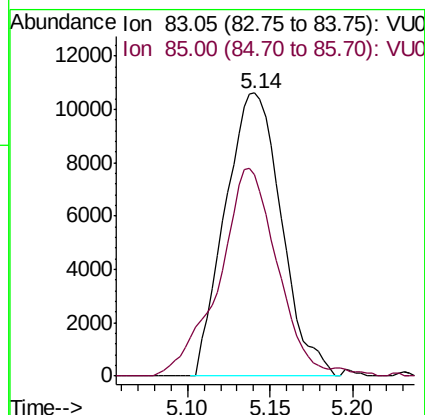
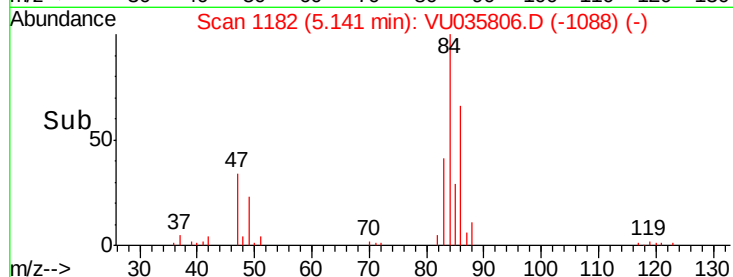
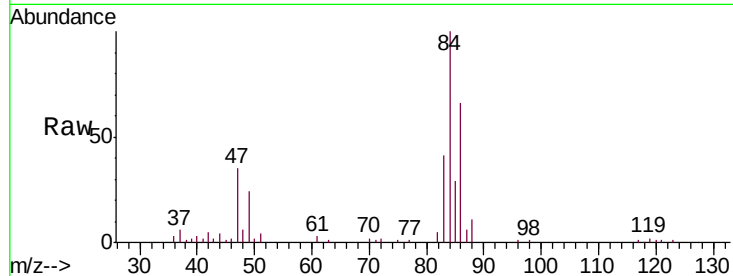




#25
Chloroform
Concen: 0.496 ug/L
RT: 5.14 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VU035806.D
Acq: 21 Nov 2019 16:24

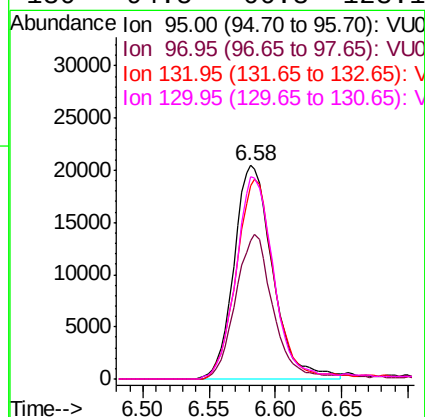
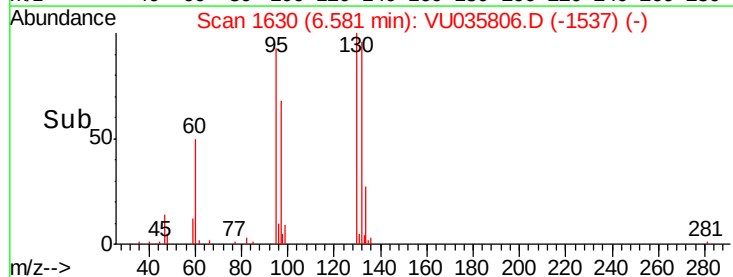
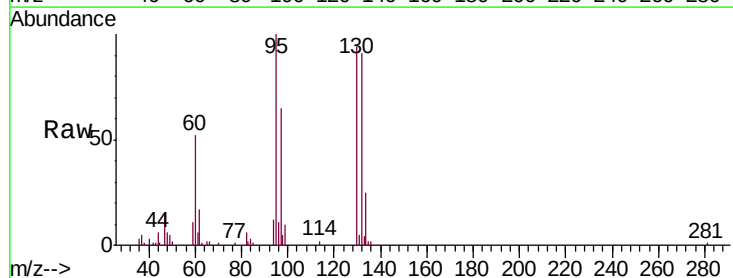
Instrument :
MSVOA_U
ClientSampleId :
B0AB0

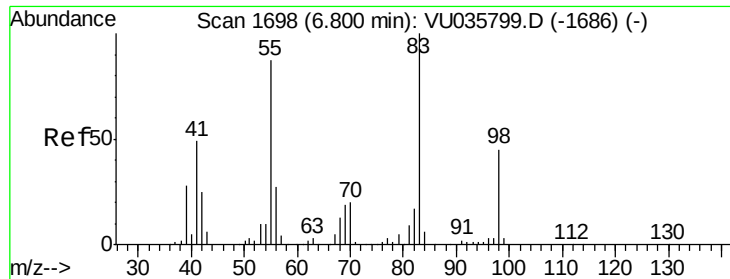
Tgt Ion: 83 Resp: 25091
Ion Ratio Lower Upper
83 100
85 71.0 44.6 82.8



#34
Trichloroethene
Concen: 1.547 ug/L
RT: 6.58 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VU035806.D
Acq: 21 Nov 2019 16:24

Tgt Ion: 95 Resp: 41445
Ion Ratio Lower Upper
95 100
97 64.5 45.1 83.9
132 90.7 61.9 114.9
130 94.5 66.3 123.1

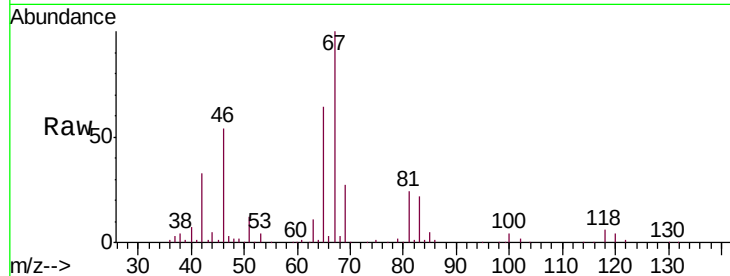




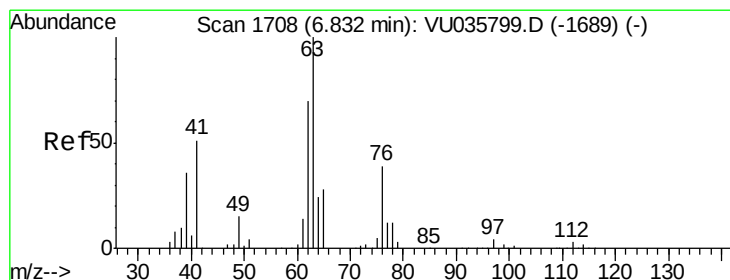
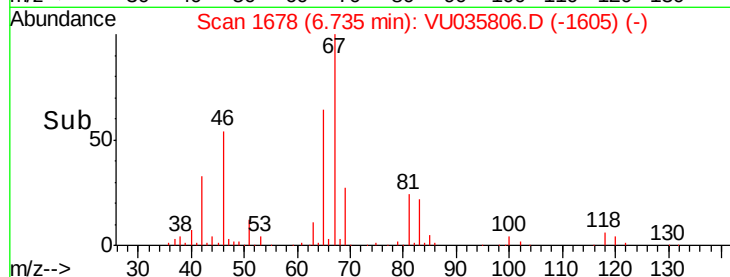
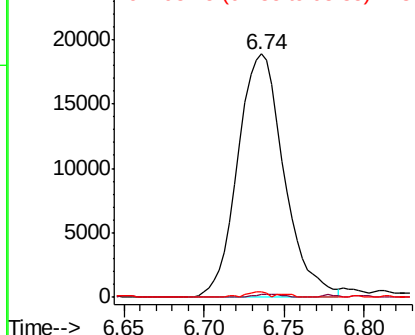
#35
Methylcyclohexane
Concen: 0.952 ug/L
RT: 6.74 min Scan# 1678
Delta R.T. -0.06 min
Lab File: VU035806.D
Acq: 21 Nov 2019 16:24

Instrument :
MSVOA_U
ClientSampleId :
B0AB0

Tgt Ion: 83 Resp: 37417
Ion Ratio Lower Upper
83 100
55 0.8 72.7 109.1#
98 1.1 36.2 54.4#

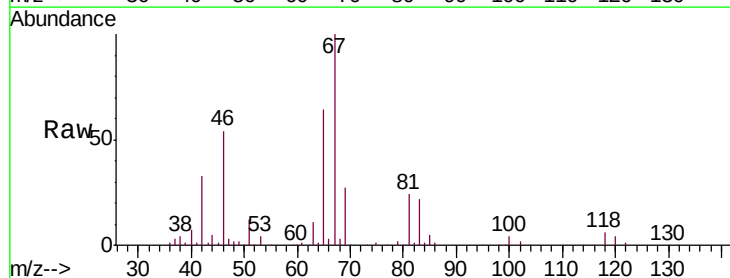


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

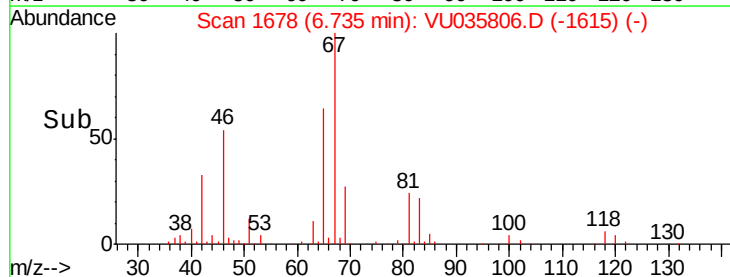
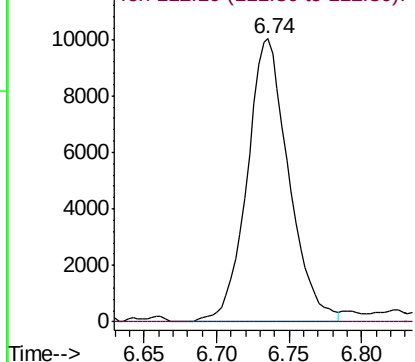


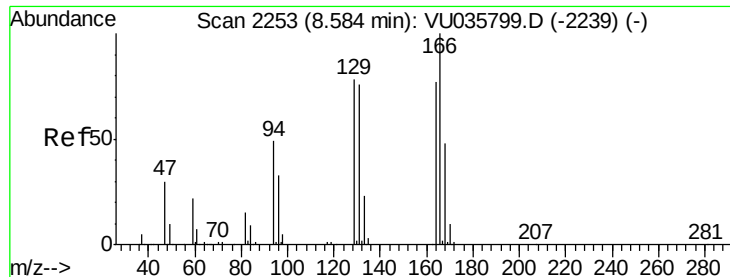
#37
1,2-Dichloropropane
Concen: 0.648 ug/L
RT: 6.74 min Scan# 1678
Delta R.T. -0.10 min
Lab File: VU035806.D
Acq: 21 Nov 2019 16:24

Tgt Ion: 63 Resp: 20078
Ion Ratio Lower Upper
63 100
112 0.3 2.7 4.1#



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





#47

Tetrachloroethene

Concen: 0.246 ug/L

RT: 8.59 min Scan# 2254

Delta R.T. 0.00 min

Lab File: VU035806.D

Acq: 21 Nov 2019 16:24

Instrument :

MSVOA_U

ClientSampleId :

B0AB0

Tgt Ion:164 Resp: 5014

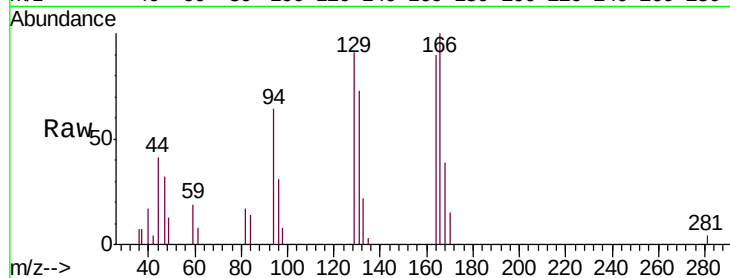
Ion Ratio Lower Upper

164 100

129 101.7 68.8 127.8

131 81.4 67.3 124.9

166 111.3 91.6 170.2

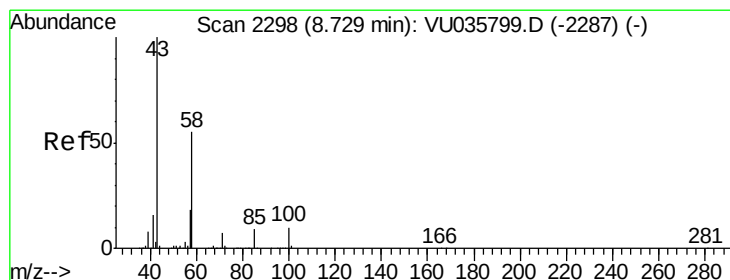
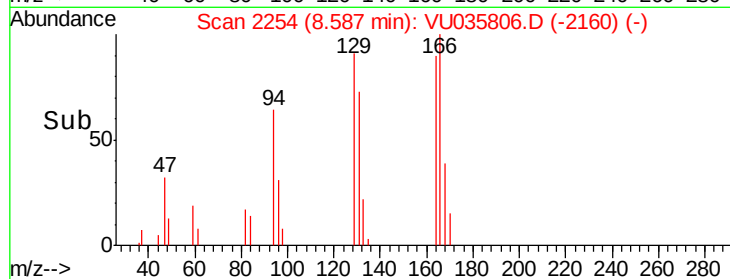
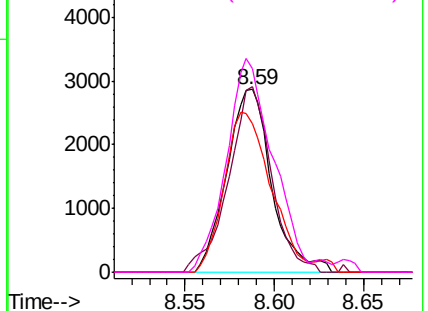


Abundance Ion 163.90 (163.60 to 164.60): V

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



#48

2-Hexanone

Concen: 2.072 ug/L

RT: 8.75 min Scan# 2304

Delta R.T. 0.02 min

Lab File: VU035806.D

Acq: 21 Nov 2019 16:24

Tgt Ion: 43 Resp: 29025

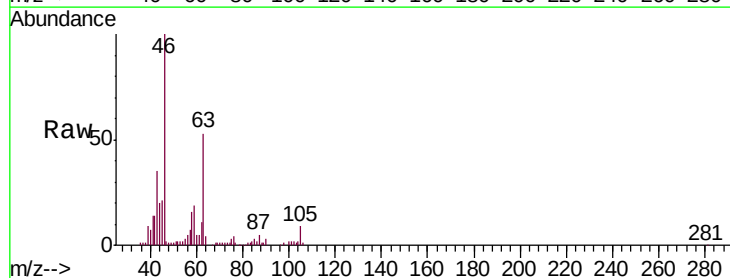
Ion Ratio Lower Upper

43 100

58 40.4 39.8 59.8

57 0.0 14.0 21.0#

100 8.0 7.2 10.8

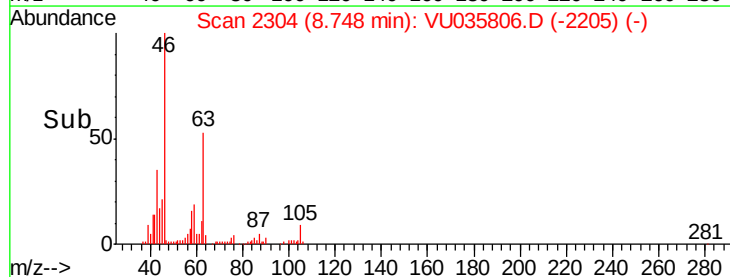
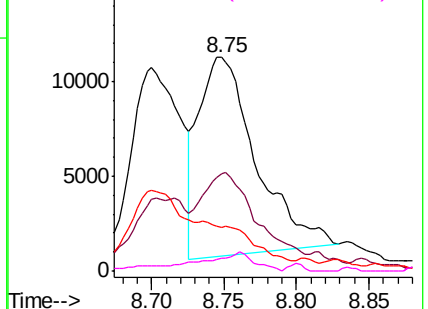


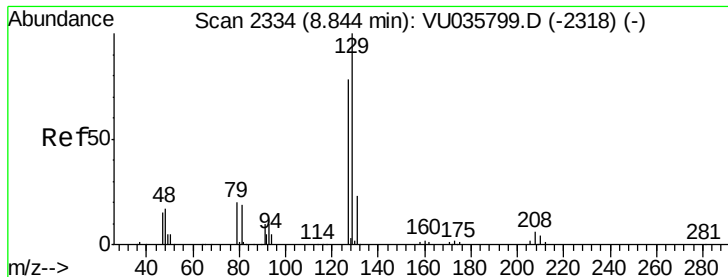
Abundance Ion 43.05 (42.75 to 43.75): VU0

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

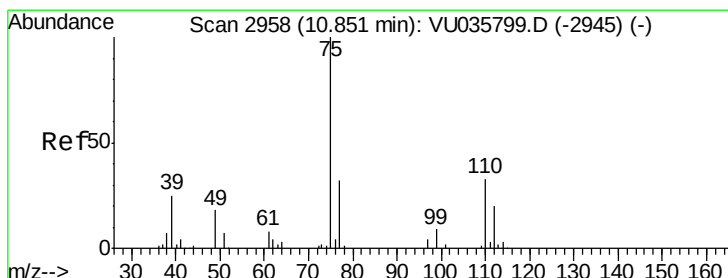
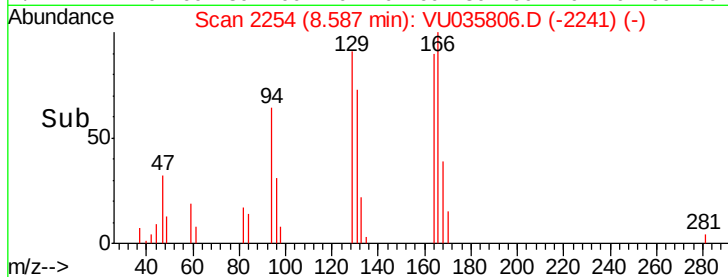
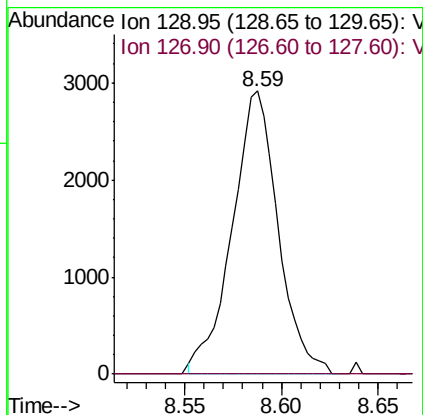
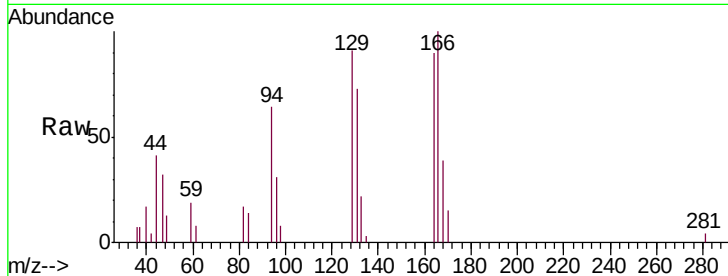




#49
 Dibromochloromethane
 Concen: 0.202 ug/L
 RT: 8.59 min Scan# 2254
 Delta R.T. -0.26 min
 Lab File: VU035806.D
 Acq: 21 Nov 2019 16:24

Instrument :
 MSVOA_U
 ClientSampleId :
 B0AB0

Tgt Ion: 129 Resp: 4821
 Ion Ratio Lower Upper
 129 100
 127 0.0 53.1 98.5#



#59
 1,2,3-Trichloropropane
 Concen: 0.570 ug/L
 RT: 11.84 min Scan# 3267
 Delta R.T. 0.99 min
 Lab File: VU035806.D
 Acq: 21 Nov 2019 16:24

Tgt Ion: 75 Resp: 11484
 Ion Ratio Lower Upper
 75 100
 77 35.7 25.4 38.2

