

Data File : VU035808.D
Acq On : 21 Nov 2019 17:14
Operator : JC/SP
Sample : K5930-12 10X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
B0AB2

Quant Time: Nov 22 01:37:41 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	215154	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	252929	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	90918	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	151551	5.39	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	107.80%
7) Chloroethane-d5	1.93	69	140741	5.78	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	115.60%
11) 1,1-Dichloroethene-d2	2.60	63	223620	4.28	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	85.60%
20) 2-Butanone-d5	4.70	46	395177	60.76	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	121.52%
24) Chloroform-d	5.11	84	276911	5.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	116.40%
26) 1,2-Dichloroethane-d4	5.75	65	156184	5.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	117.00%
32) Benzene-d6	5.77	84	524894	5.44	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	108.80%
36) 1,2-Dichloropropane-d6	6.74	67	180520	5.55	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	111.00%
41) Toluene-d8	7.93	98	422263	4.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.80%
43) trans-1,3-Dichloropropene-	8.22	79	60659	4.79	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.80%
46) 2-Hexanone-d5	8.70	63	271904	53.47	ug/L	0.02
Spiked Amount	50.000	Range	45 - 130	Recovery	=	106.94%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	144136	5.26	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.20%
64) 1,2-Dichlorobenzene-d4	12.22	152	115943	5.87	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	117.40%

Target Compounds

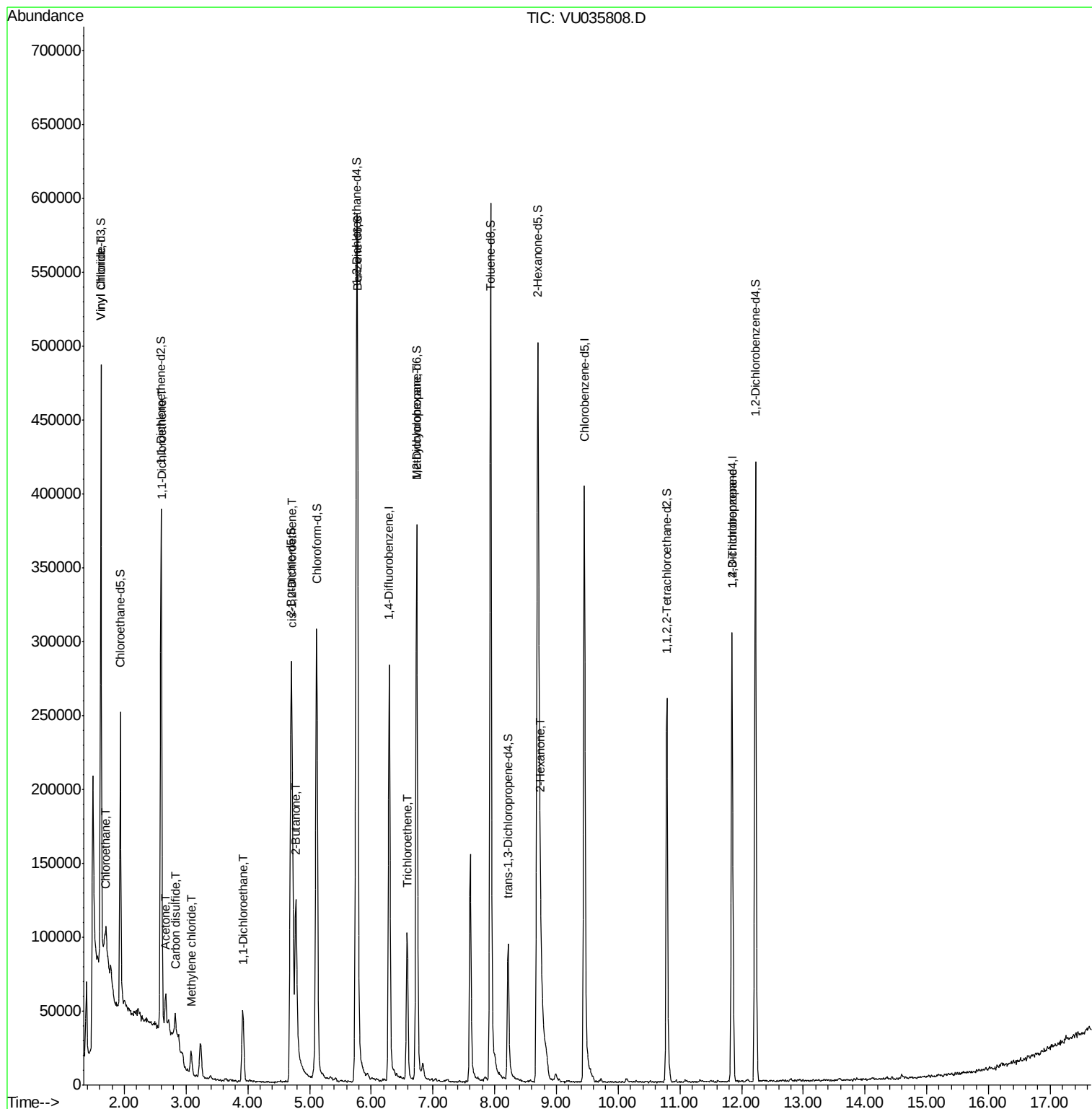
						Qvalue
5) Vinyl chloride	1.62	62	144878	4.033	ug/L #	40
8) Chloroethane	1.68	64	162271	7.806	ug/L #	52
12) 1,1-Dichloroethene	2.61	96	9115	0.407	ug/L #	1
13) Acetone	2.67	43	29136	5.100	ug/L	100
14) Carbon disulfide	2.82	76	21535	0.290	ug/L #	86
16) Methylene chloride	3.08	84	6517	0.241	ug/L	97
19) 1,1-Dichloroethane	3.92	63	55576	1.122	ug/L	97
21) 2-Butanone	4.78	43	172591	23.875	ug/L	97
22) cis-1,2-Dichloroethene	4.72	96	49369	2.010	ug/L	91
34) Trichloroethene	6.58	95	33543	1.296	ug/L	97
35) Methylcyclohexane	6.74	83	41921	1.104	ug/L #	14
48) 2-Hexanone	8.74	43	17919	1.324	ug/L #	90
59) 1,2,3-Trichloropropane	11.84	75	12695	0.652	ug/L	89

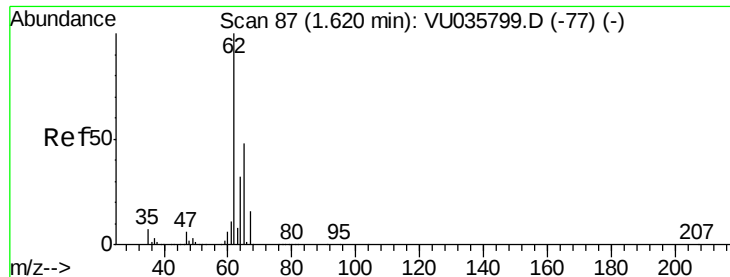
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 4.033 ug/L

RT: 1.62 min Scan# 88

Delta R.T. 0.00 min

Lab File: VU035808.D

Acq: 21 Nov 2019 17:14

Instrument :

MSVOA_U

ClientSampleId :

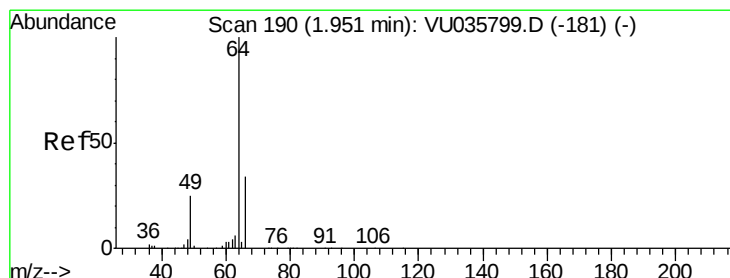
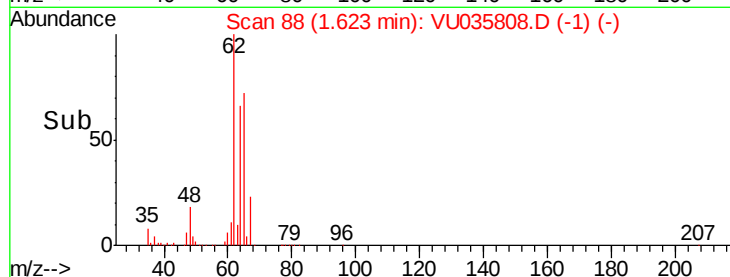
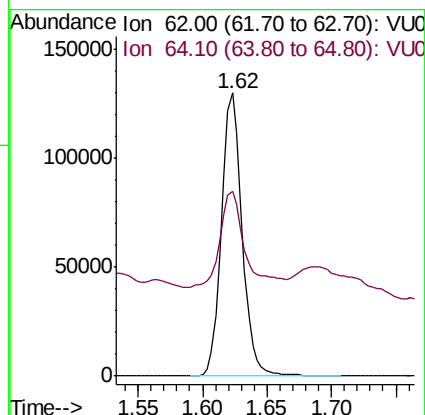
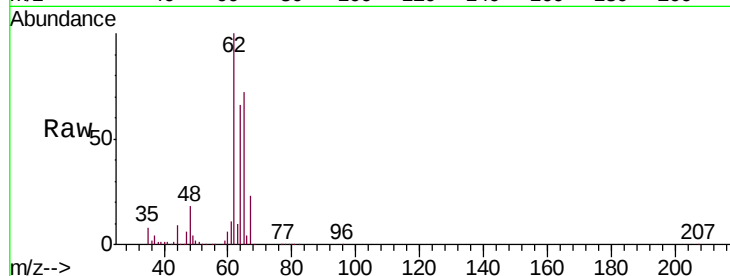
B0AB2

Tgt Ion: 62 Resp: 144878

Ion Ratio Lower Upper

62 100

64 65.5 22.5 41.9#



#8

Chloroethane

Concen: 7.806 ug/L

RT: 1.68 min Scan# 107

Delta R.T. -0.27 min

Lab File: VU035808.D

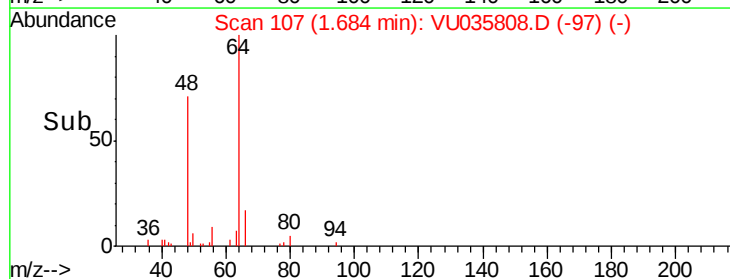
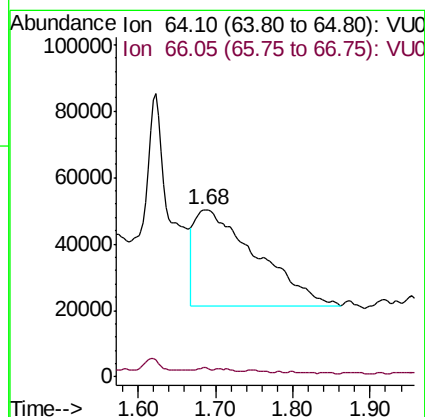
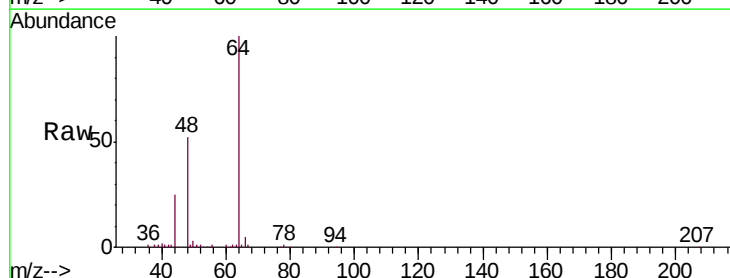
Acq: 21 Nov 2019 17:14

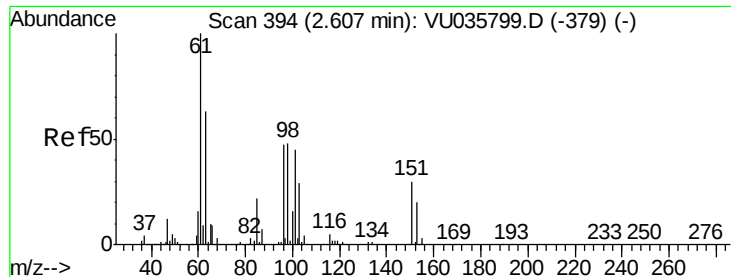
Tgt Ion: 64 Resp: 162271

Ion Ratio Lower Upper

64 100

66 5.4 22.3 41.5#





#12

1,1-Dichloroethene

Concen: 0.407 ug/L

RT: 2.61 min Scan# 395

Delta R.T. 0.00 min

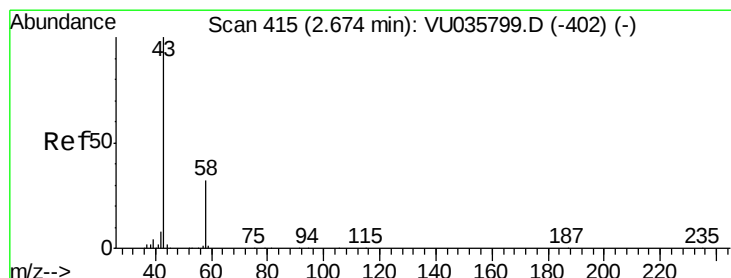
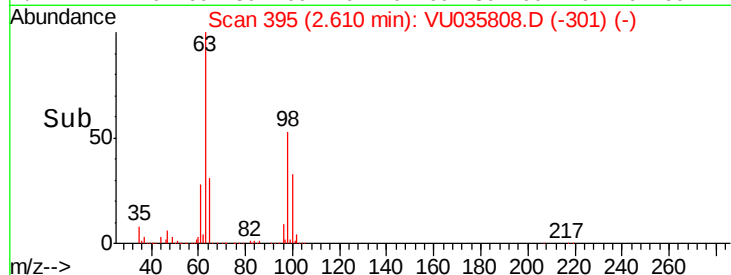
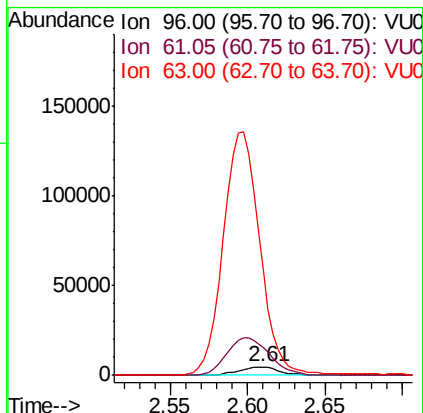
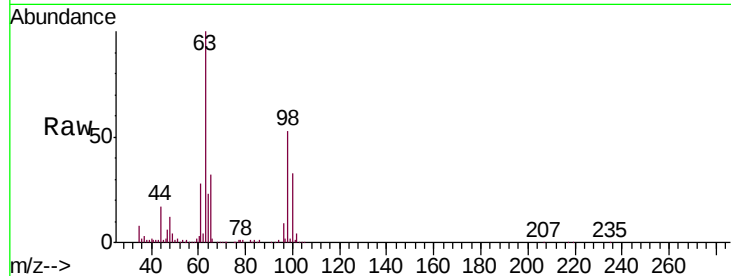
Lab File: VU035808.D

Acq: 21 Nov 2019 17:14

Instrument :
MSVOA_U
ClientSampled :
B0AB2

Tgt Ion: 96 Resp: 9115

Ion	Ratio	Lower	Upper
96	100		
61	322.0	139.3	258.7#
63	1154.3	93.7	174.1#



#13

Acetone

Concen: 5.100 ug/L

RT: 2.67 min Scan# 414

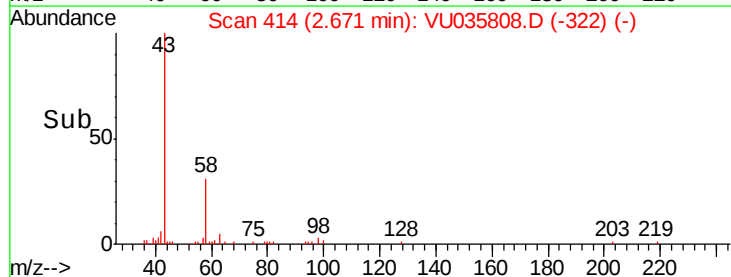
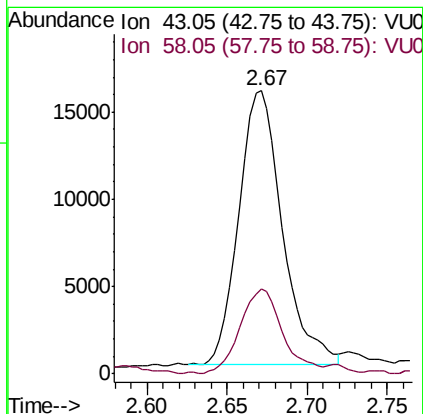
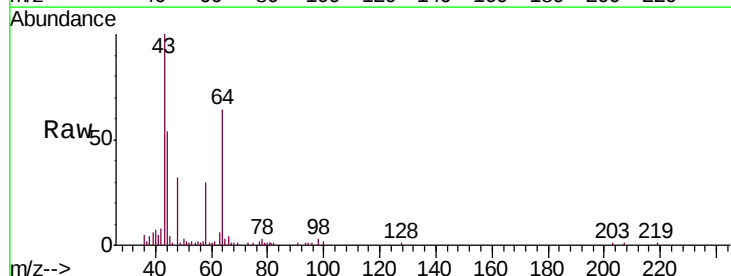
Delta R.T. -0.00 min

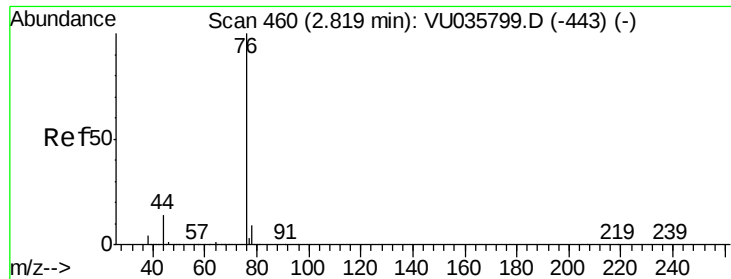
Lab File: VU035808.D

Acq: 21 Nov 2019 17:14

Tgt Ion: 43 Resp: 29136

Ion	Ratio	Lower	Upper
43	100		
58	30.4	0.0	61.2





#14

Carbon disulfide

Concen: 0.290 ug/L

RT: 2.82 min Scan# 461

Delta R.T. 0.00 min

Lab File: VU035808.D

Acq: 21 Nov 2019 17:14

Instrument :

MSVOA_U

ClientSampleId :

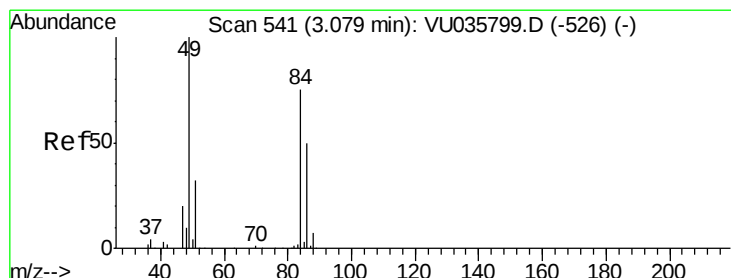
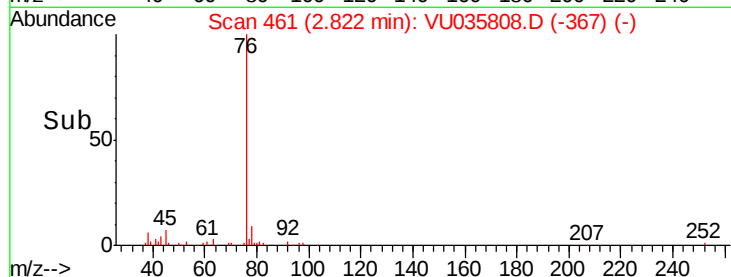
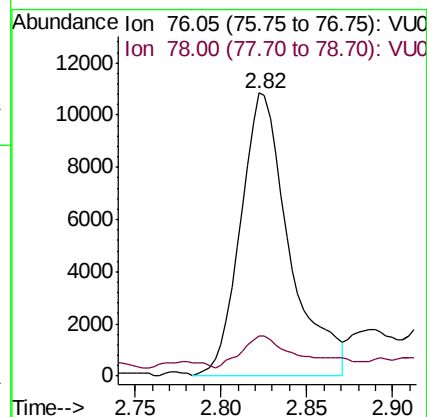
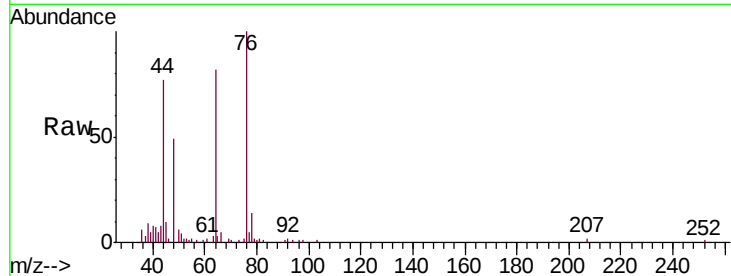
B0AB2

Tgt Ion: 76 Resp: 21535

Ion Ratio Lower Upper

76 100

78 14.2 7.3 10.9#



#16

Methylene chloride

Concen: 0.241 ug/L

RT: 3.08 min Scan# 542

Delta R.T. 0.00 min

Lab File: VU035808.D

Acq: 21 Nov 2019 17:14

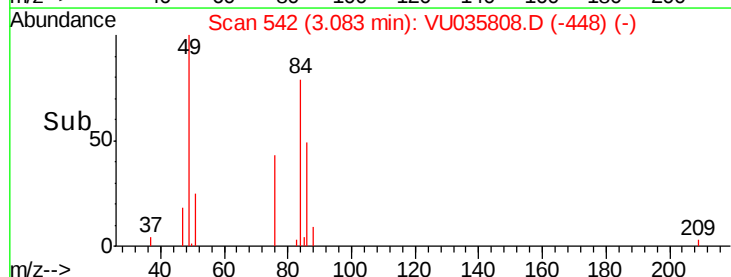
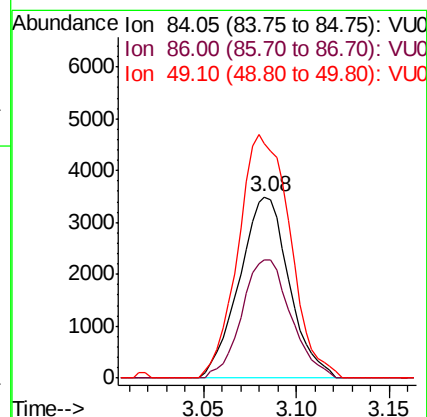
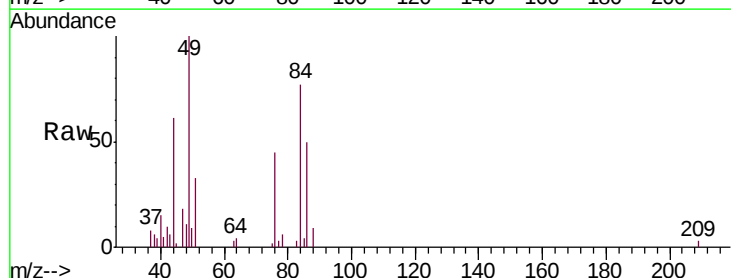
Tgt Ion: 84 Resp: 6517

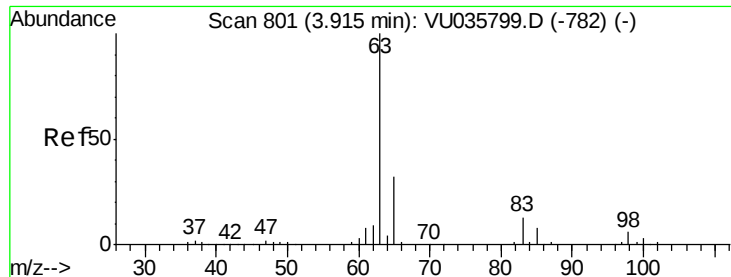
Ion Ratio Lower Upper

84 100

86 65.2 44.4 82.5

49 129.7 94.0 174.6

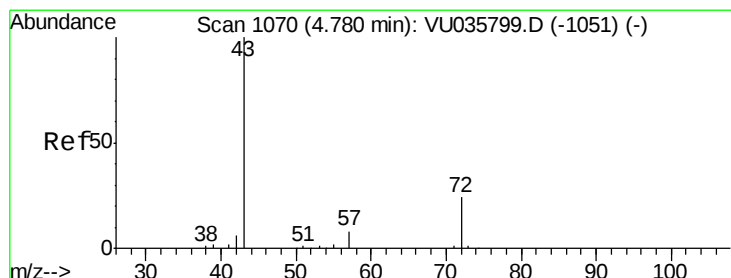
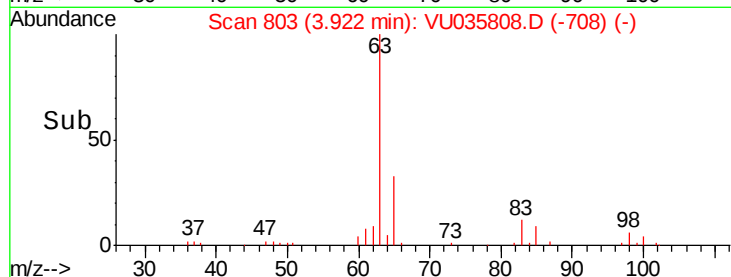
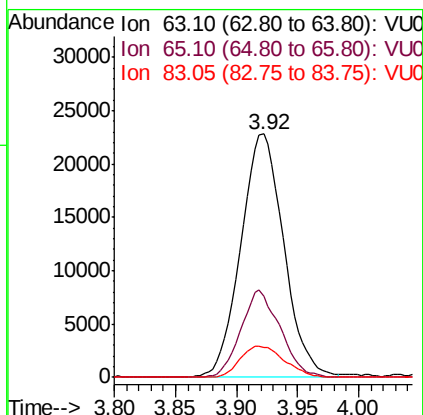
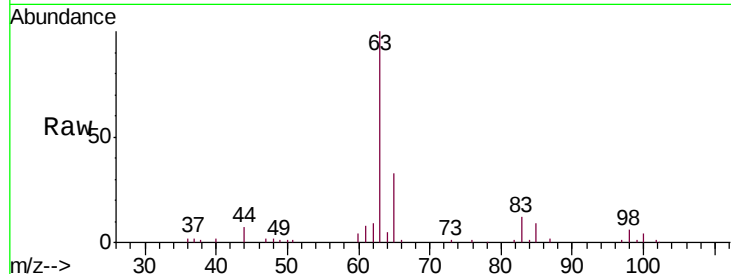




#19
 1,1-Dichloroethane
 Concen: 1.122 ug/L
 RT: 3.92 min Scan# 803
 Delta R.T. 0.01 min
 Lab File: VU035808.D
 Acq: 21 Nov 2019 17:14

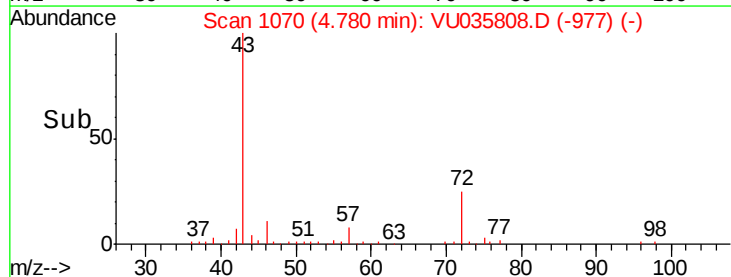
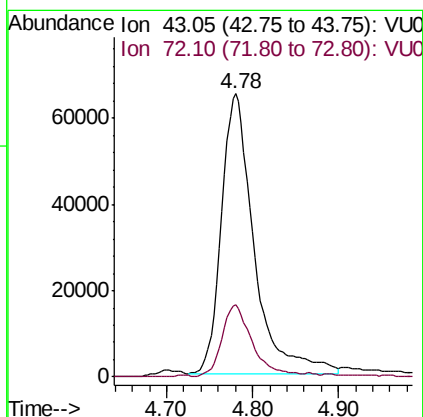
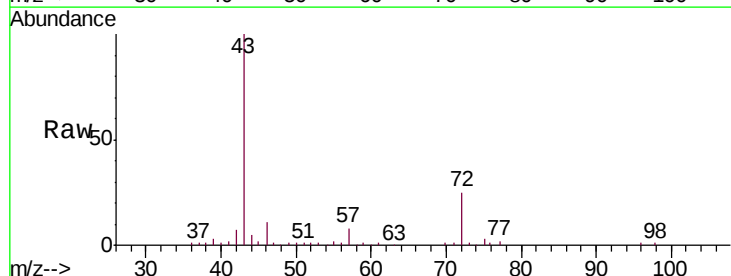
Instrument :
 MSVOA_U
 ClientSampleId :
 B0AB2

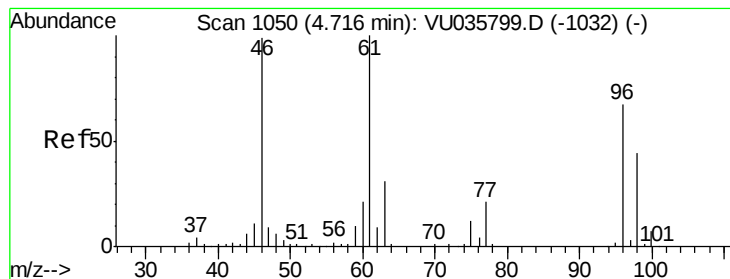
Tgt Ion: 63 Resp: 55576
 Ion Ratio Lower Upper
 63 100
 65 33.2 21.8 40.4
 83 12.3 8.6 16.0



#21
 2-Butanone
 Concen: 23.875 ug/L
 RT: 4.78 min Scan# 1070
 Delta R.T. 0.00 min
 Lab File: VU035808.D
 Acq: 21 Nov 2019 17:14

Tgt Ion: 43 Resp: 172591
 Ion Ratio Lower Upper
 43 100
 72 23.3 12.4 37.4





#22

cis-1,2-Dichloroethene

Concen: 2.010 ug/L

RT: 4.72 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VU035808.D

Acq: 21 Nov 2019 17:14

Instrument :

MSVOA_U

ClientSampleId :

B0AB2

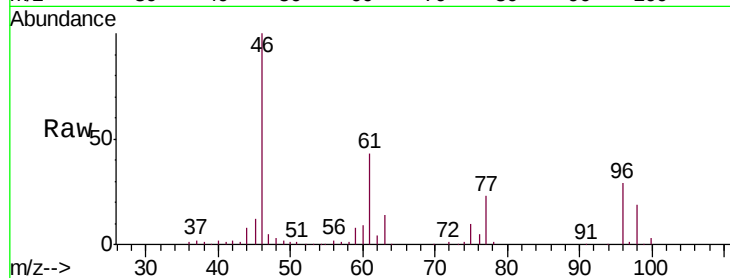
Tgt Ion: 96 Resp: 49369

Ion Ratio Lower Upper

96 100

61 151.1 98.1 182.1

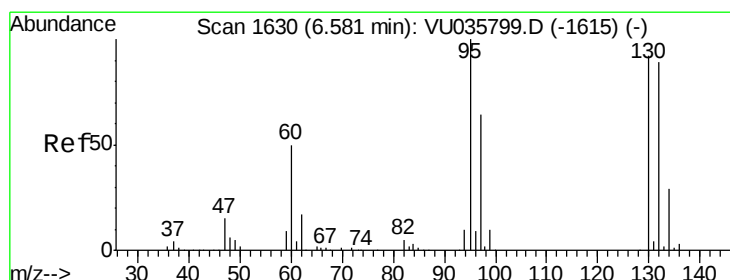
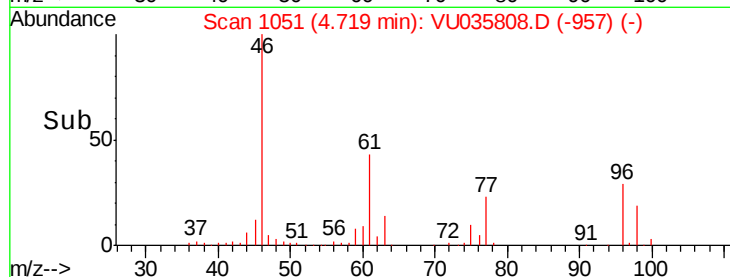
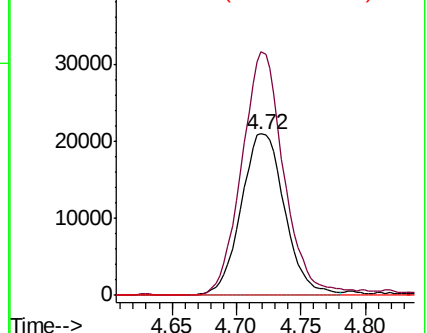
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU035808.D (-1537) (-)

Ion 61.05 (60.75 to 61.75): VU035808.D (-1537) (-)

Ion 68.15 (67.85 to 68.85): VU035808.D (-1537) (-)



#34

Trichloroethene

Concen: 1.296 ug/L

RT: 6.58 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VU035808.D

Acq: 21 Nov 2019 17:14

Tgt Ion: 95 Resp: 33543

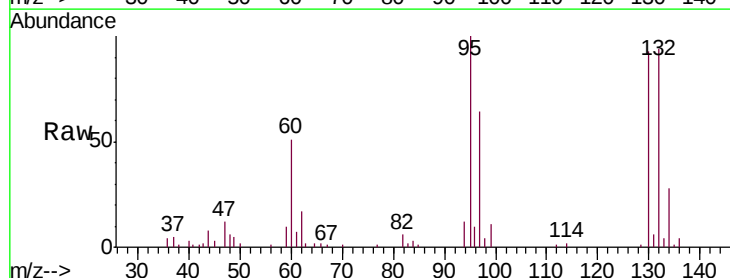
Ion Ratio Lower Upper

95 100

97 63.8 45.1 83.9

132 94.1 61.9 114.9

130 93.1 66.3 123.1

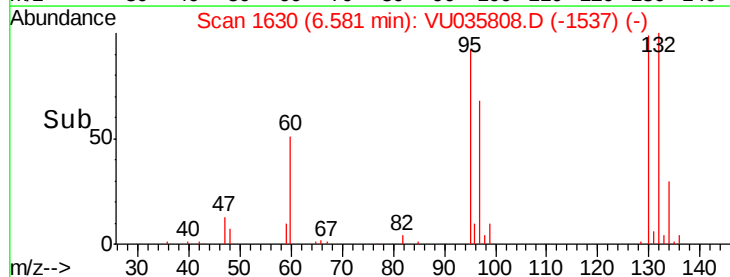
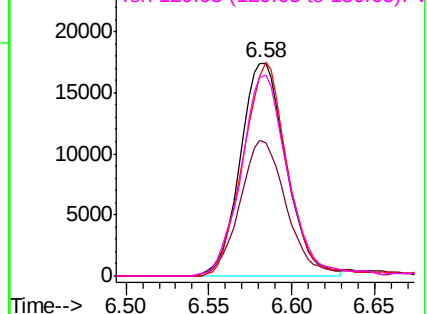


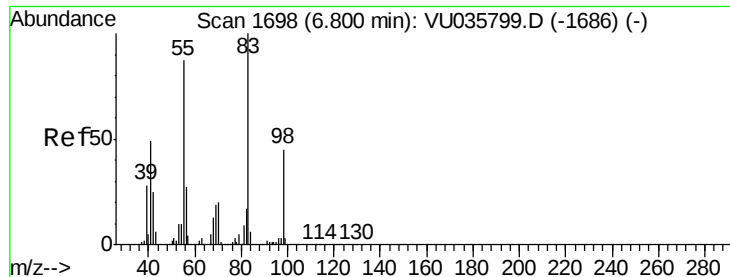
Abundance Ion 95.00 (94.70 to 95.70): VU035808.D (-1537) (-)

Ion 96.95 (96.65 to 97.65): VU035808.D (-1537) (-)

Ion 131.95 (131.65 to 132.65): VU035808.D (-1537) (-)

Ion 129.95 (129.65 to 130.65): VU035808.D (-1537) (-)





#35

Methylcyclohexane

Concen: 1.104 ug/L

RT: 6.74 min Scan# 1678

Delta R.T. -0.06 min

Lab File: VU035808.D

Acq: 21 Nov 2019 17:14

Instrument :

MSVOA_U

ClientSampled :

B0AB2

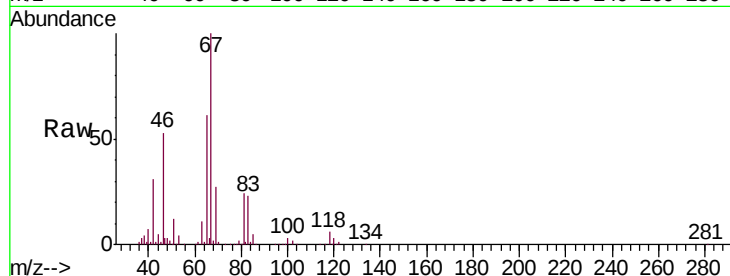
Tgt Ion: 83 Resp: 41921

Ion Ratio Lower Upper

83 100

55 0.3 72.7 109.1#

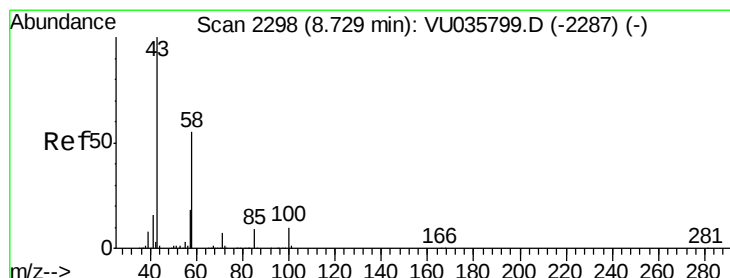
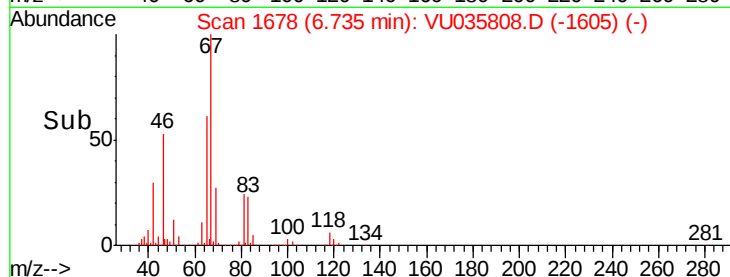
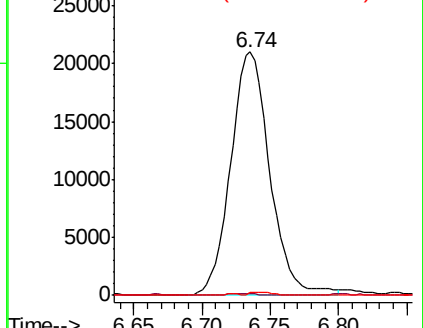
98 0.7 36.2 54.4#



Abundance Ion 83.15 (82.85 to 83.85): VU035799.D (-1686) (-)

Ion 55.10 (54.80 to 55.80): VU035799.D (-1686) (-)

Ion 98.15 (97.85 to 98.85): VU035799.D (-1686) (-)



#48

2-Hexanone

Concen: 1.324 ug/L

RT: 8.74 min Scan# 2303

Delta R.T. 0.02 min

Lab File: VU035808.D

Acq: 21 Nov 2019 17:14

Tgt Ion: 43 Resp: 17919

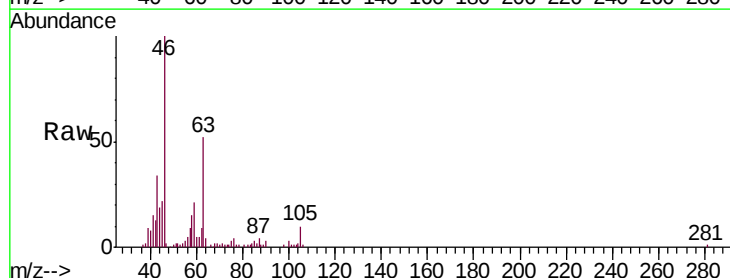
Ion Ratio Lower Upper

43 100

58 57.5 39.8 59.8

57 15.5 14.0 21.0

100 3.5 7.2 10.8#

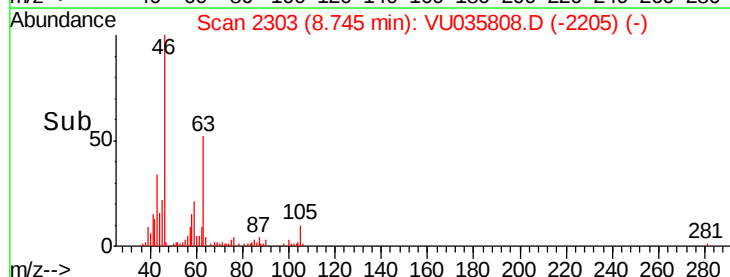
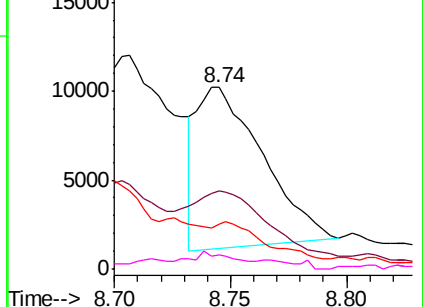


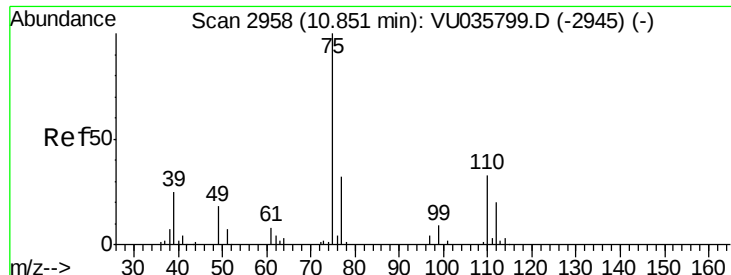
Abundance Ion 43.05 (42.75 to 43.75): VU035799.D (-2287) (-)

Ion 58.05 (57.75 to 58.75): VU035799.D (-2287) (-)

Ion 57.20 (56.90 to 57.90): VU035799.D (-2287) (-)

Ion 100.15 (99.85 to 100.85): VU035799.D (-2287) (-)





#59

1,2,3-Trichloropropane

Concen: 0.652 ug/L

RT: 11.84 min Scan# 3266

Delta R.T. 0.99 min

Lab File: VU035808.D

Acq: 21 Nov 2019 17:14

Instrument :

MSVOA_U

ClientSampleId :

B0AB2

Tgt Ion: 75 Resp: 12695

Ion Ratio Lower Upper

75 100

77 37.8 25.4 38.2

