

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U102319\
 Data File : VU035406.D
 Acq On : 23 Oct 2019 13:21
 Operator : JC/SP
 Sample : K5461-08
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 23 17:19:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Oct 23 17:16:19 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	242971	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	238826	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	87522	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	65678	4.43	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.60%
7) Chloroethane-d5	1.93	69	68514	5.06	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.20%
11) 1,1-Dichloroethene-d2	2.59	63	94155	3.44	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	68.80%
20) 2-Butanone-d5	4.70	46	238778	56.08	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	112.16%
24) Chloroform-d	5.11	84	138937	5.13	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.60%
26) 1,2-Dichloroethane-d4	5.75	65	83731	5.58	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	111.60%
32) Benzene-d6	5.77	84	276269	5.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.20%
36) 1,2-Dichloropropane-d6	6.74	67	97555	5.62	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	112.40%
41) Toluene-d8	7.93	98	234665	4.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.80%
43) trans-1,3-Dichloropropene-	8.22	79	37511	4.46	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.20%
46) 2-Hexanone-d5	8.69	63	182840	49.26	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.52%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	87567	5.67	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	113.40%
64) 1,2-Dichlorobenzene-d4	12.22	152	80057	5.02	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.40%

Target Compounds

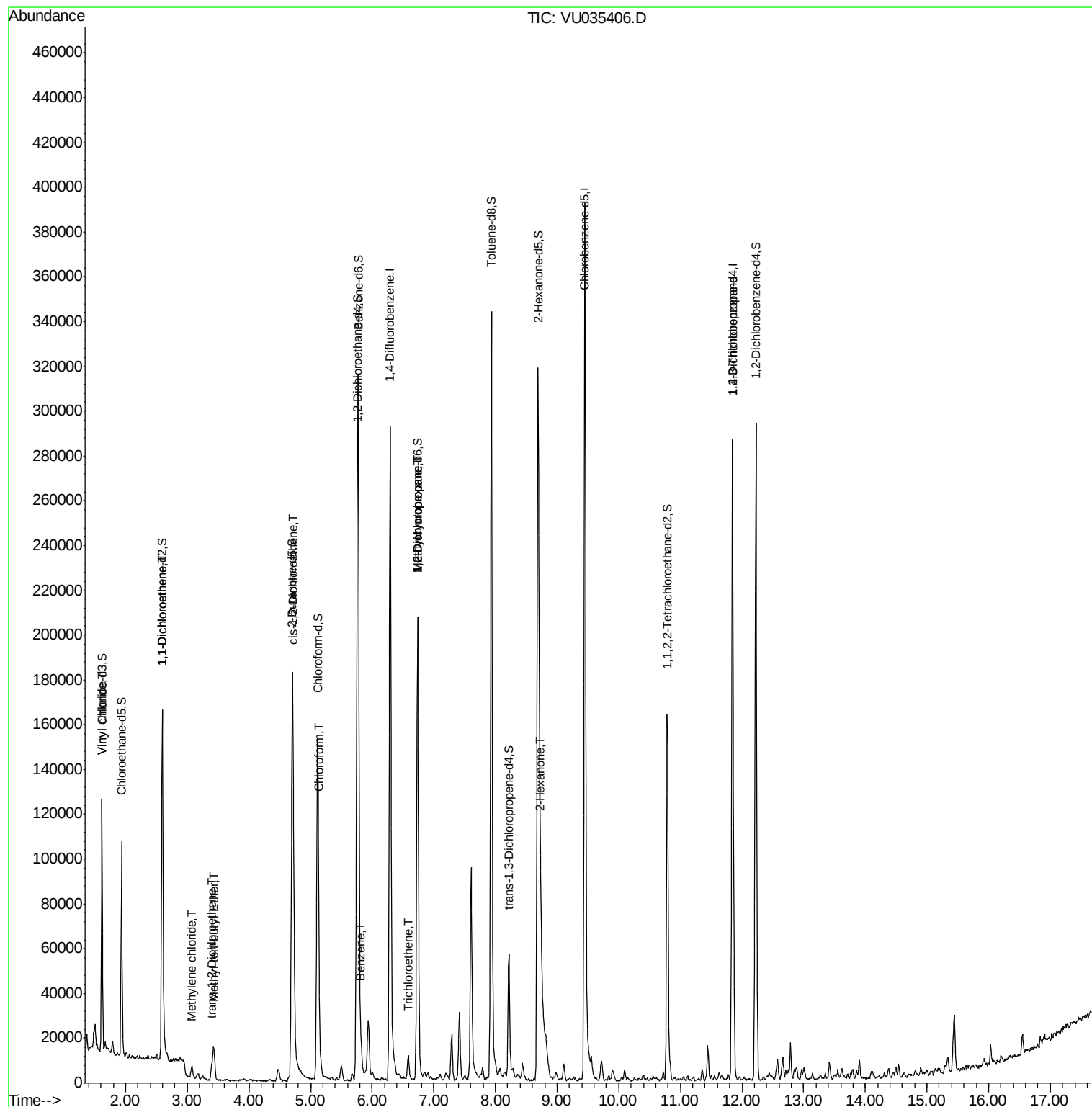
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.62	62	8805	0.418	ug/L #	44
12) 1,1-Dichloroethene	2.60	96	1160	0.074	ug/L #	1
16) Methylene chloride	3.08	84	1364	0.073	ug/L	94
17) Methyl tert-butyl Ether	3.43	73	16022	0.381	ug/L	92
18) trans-1,2-Dichloroethene	3.39	96	1643	0.098	ug/L	92
22) cis-1,2-Dichloroethene	4.72	96	24454	1.313	ug/L	97
25) Chloroform	5.14	83	13460	0.403	ug/L	96
33) Benzene	5.82	78	8518	0.121	ug/L	100
34) Trichloroethene	6.58	95	2099	0.111	ug/L	97
35) Methylcyclohexane	6.74	83	23352	0.740	ug/L #	19
37) 1,2-Dichloropropane	6.74	63	11017	0.618	ug/L #	88
48) 2-Hexanone	8.74	43	11008	1.303	ug/L #	79
59) 1,2,3-Trichloropropane	11.84	75	10945	0.881	ug/L #	81

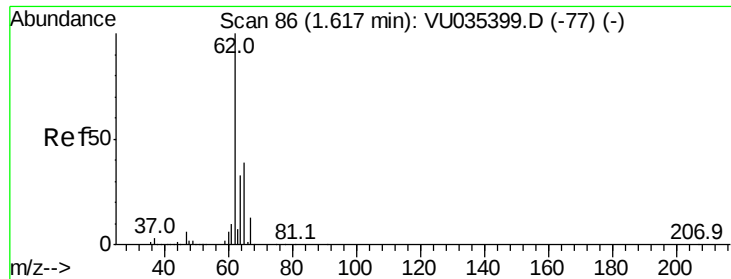
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Oct 23 17:16:19 2019
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.418 ug/L

RT: 1.62 min Scan# 88

Delta R.T. 0.00 min

Lab File: VU035406.D

Acq: 23 Oct 2019 13:21

Instrument :

MSVOA_U

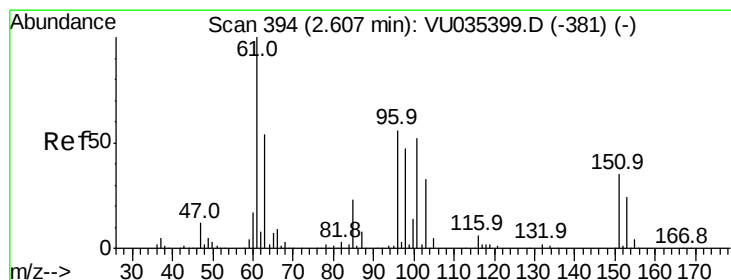
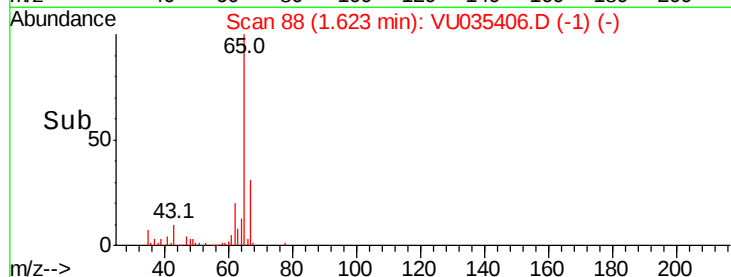
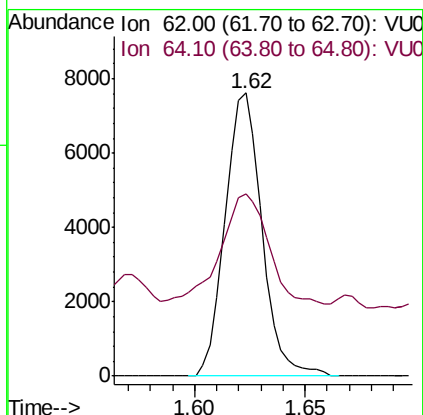
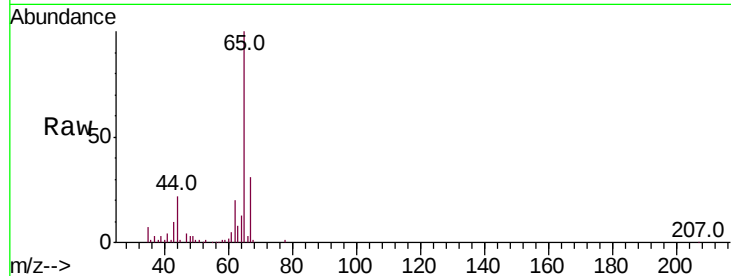
ClientSampleId :

Tot Ion: 62 Resp: 8805

Ion Ratio Lower Upper

62 100

64 64.4 22.9 42.5#



#12

1,1-Dichloroethene

Concen: 0.074 ug/L

RT: 2.60 min Scan# 391

Delta R.T. -0.01 min

Lab File: VU035406.D

Acq: 23 Oct 2019 13:21

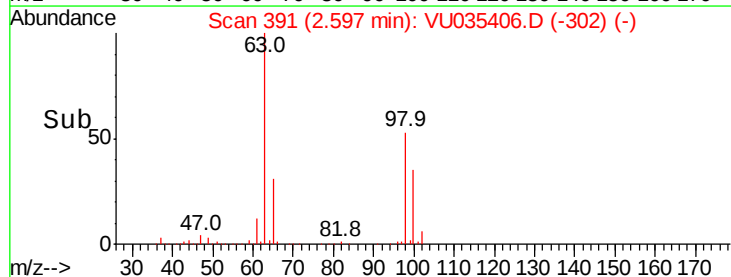
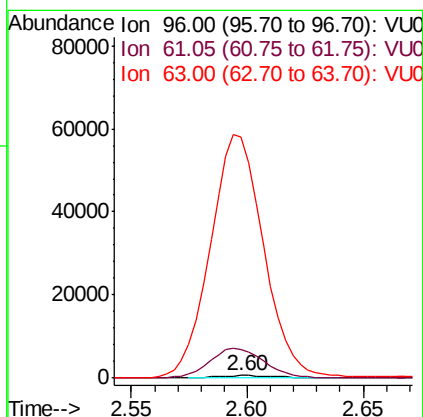
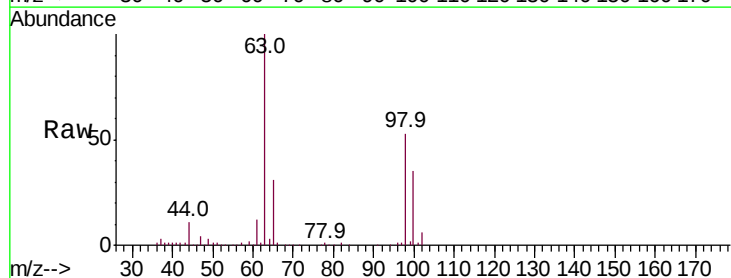
Tgt Ion: 96 Resp: 1160

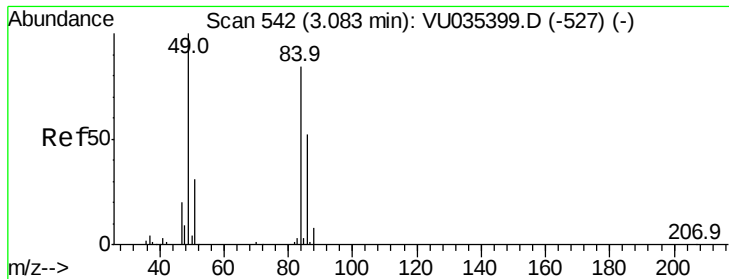
Ion Ratio Lower Upper

96 100

61 1157.6 120.6 224.0#

63 9598.7 86.8 161.2#

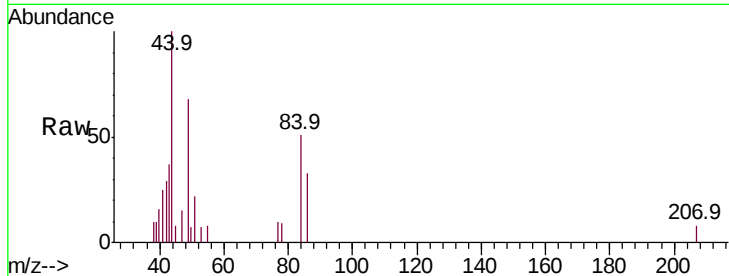




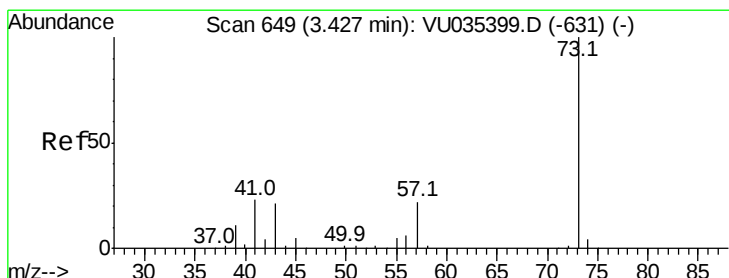
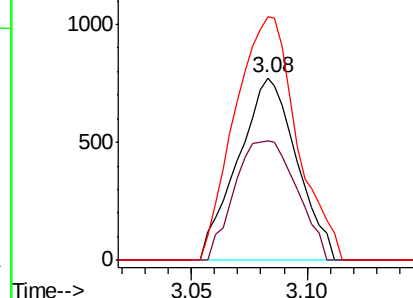
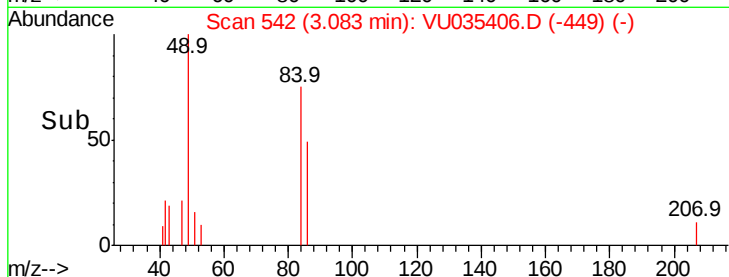
#16
Methylene chloride
Concen: 0.073 ug/L
RT: 3.08 min Scan# 542
Delta R.T. -0.00 min
Lab File: VU035406.D
Acq: 23 Oct 2019 13:21

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 84 Resp: 1364
Ion Ratio Lower Upper
84 100
86 65.7 45.4 84.2
49 133.2 86.8 161.2

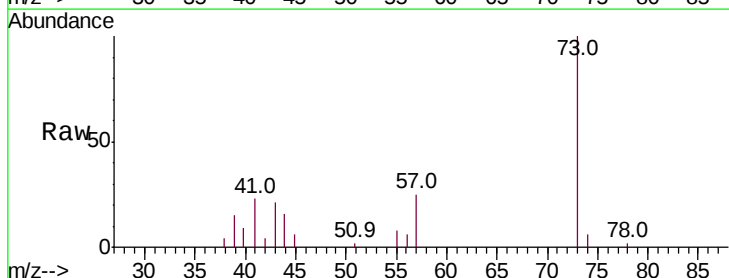


Abundance Ion 84.05 (83.75 to 84.75): VU0
Ion 86.00 (85.70 to 86.70): VU0
Ion 49.10 (48.80 to 49.80): VU0

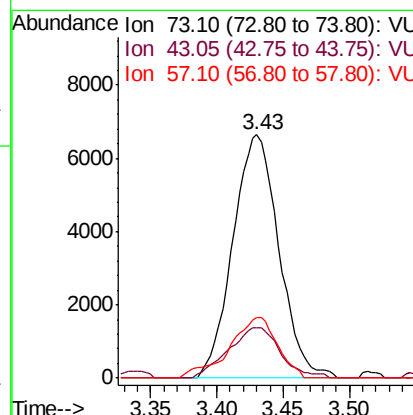
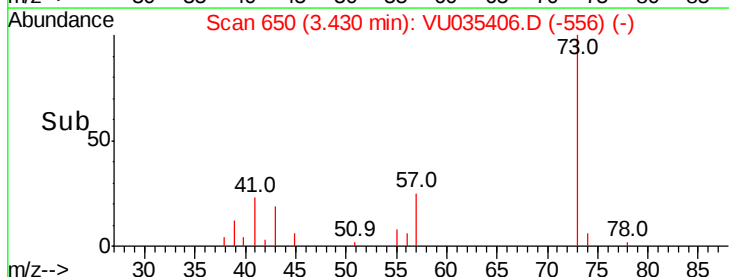


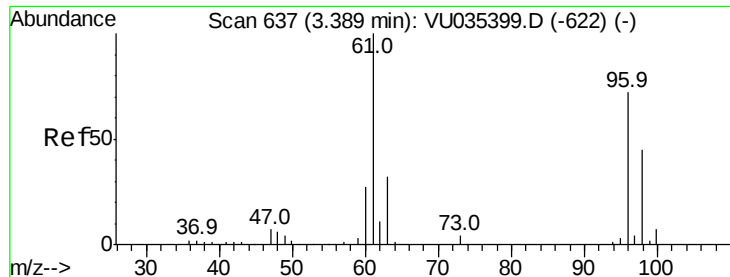
#17
Methyl tert-butyl Ether
Concen: 0.381 ug/L
RT: 3.43 min Scan# 650
Delta R.T. 0.00 min
Lab File: VU035406.D
Acq: 23 Oct 2019 13:21

Tgt Ion: 73 Resp: 16022
Ion Ratio Lower Upper
73 100
43 23.5 16.0 24.0
57 25.9 17.4 26.2



Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0





#18

trans-1,2-Dichloroethene

Concen: 0.098 ug/L

RT: 3.39 min Scan# 638

Delta R.T. -0.00 min

Lab File: VU035406.D

Acq: 23 Oct 2019 13:21

Instrument :

MSVOA_U

ClientSampled :

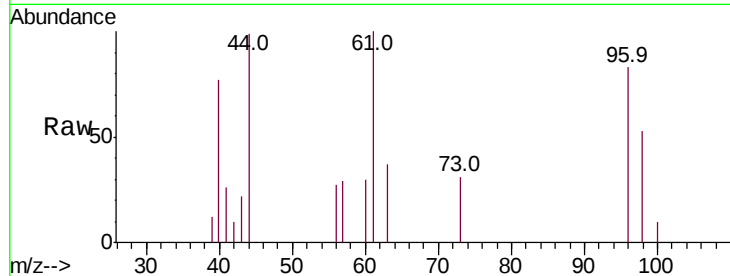
Tot Ion: 96 Resp: 1643

Ion Ratio Lower Upper

96 100

61 120.6 93.0 172.6

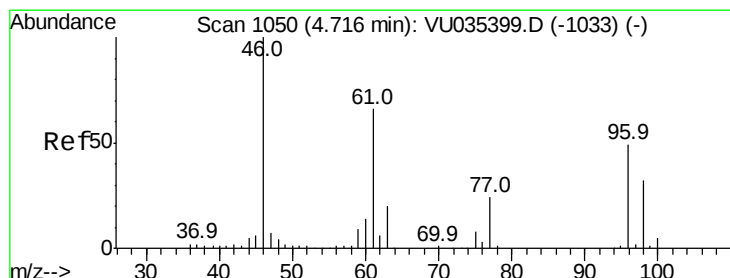
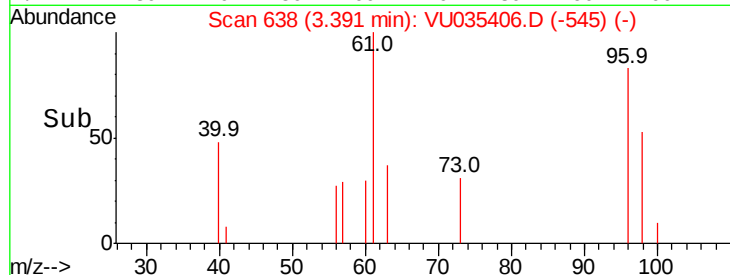
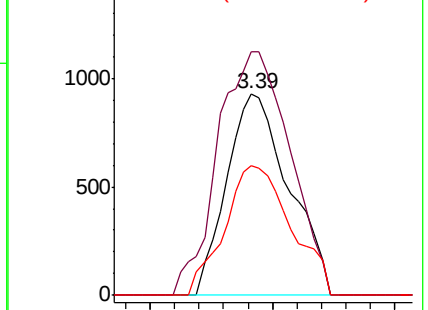
98 64.1 43.7 81.1



Abundance Ion 96.00 (95.70 to 96.70): VU035399.D (-622) (-)

1500 Ion 61.05 (60.75 to 61.75): VU035399.D (-622) (-)

Ion 97.95 (97.65 to 98.65): VU035399.D (-622) (-)



#22

cis-1,2-Dichloroethene

Concen: 1.313 ug/L

RT: 4.72 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VU035406.D

Acq: 23 Oct 2019 13:21

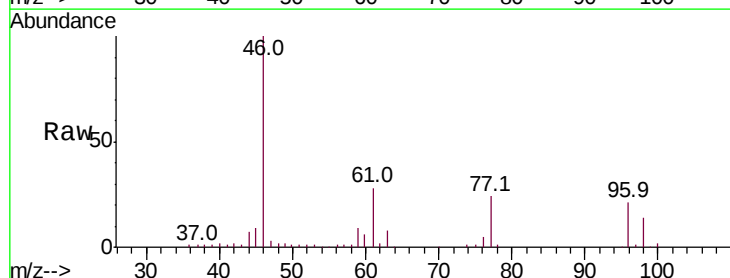
Tgt Ion: 96 Resp: 24454

Ion Ratio Lower Upper

96 100

61 131.5 89.7 166.5

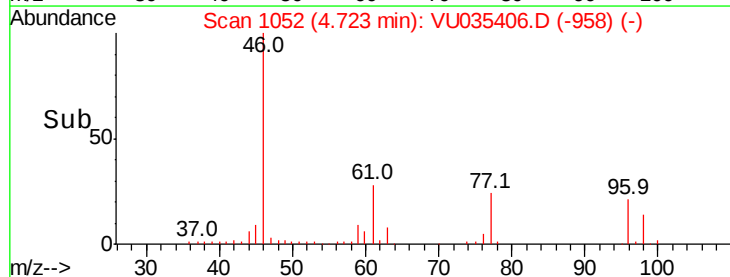
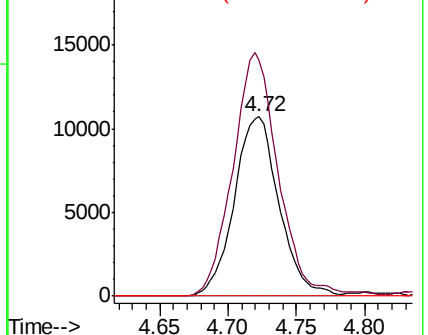
68 0.0 0.0 0.0

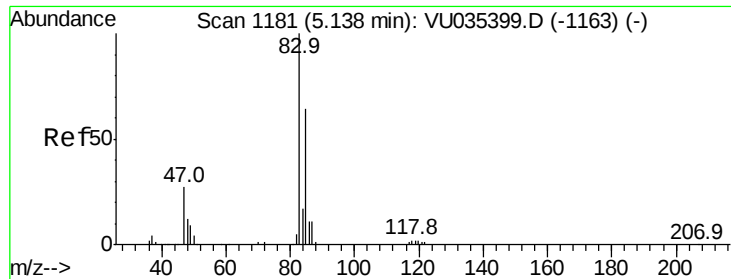


Abundance Ion 96.00 (95.70 to 96.70): VU035399.D (-1033) (-)

20000 Ion 61.05 (60.75 to 61.75): VU035399.D (-1033) (-)

Ion 68.15 (67.85 to 68.85): VU035399.D (-1033) (-)

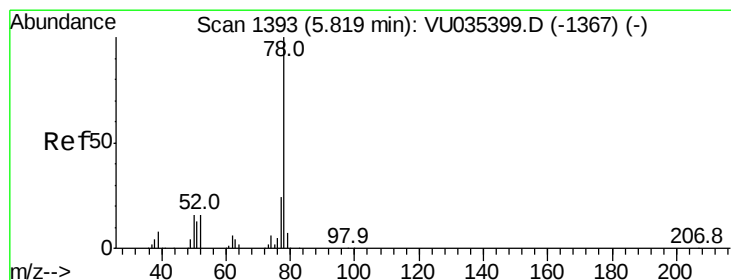
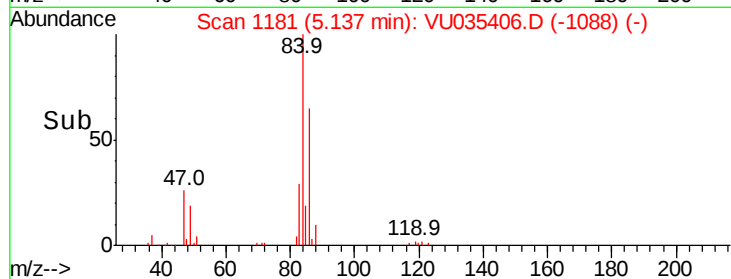
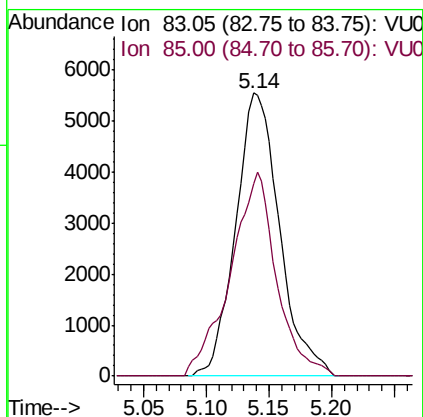
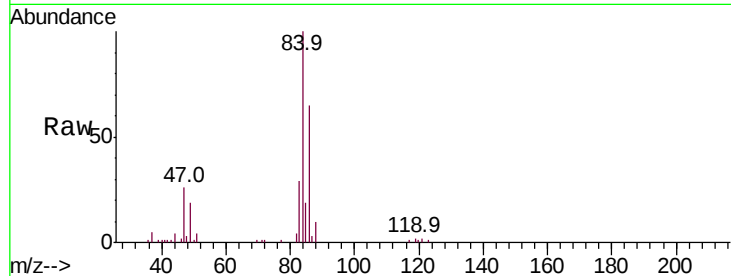




#25
Chloroform
Concen: 0.403 ug/L
RT: 5.14 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VU035406.D
Acq: 23 Oct 2019 13:21

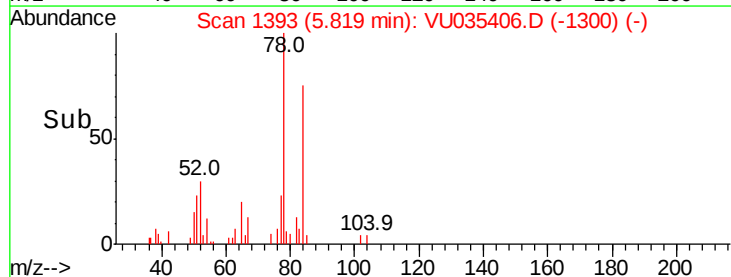
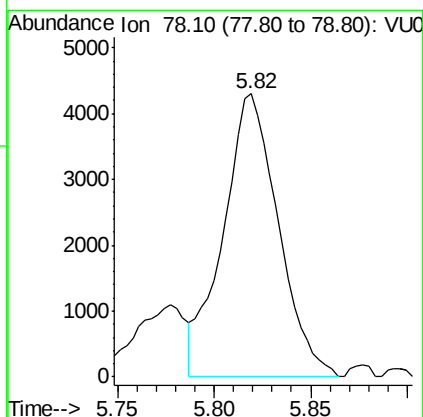
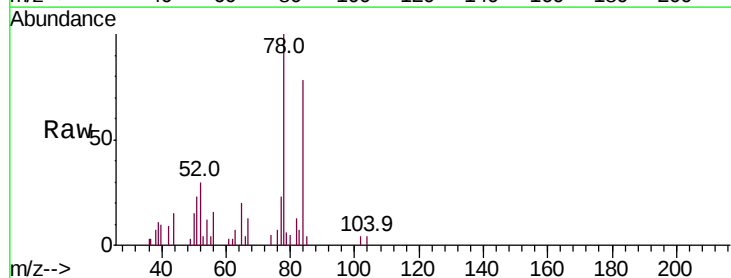
Instrument :
MSVOA_U
ClientSampleId :

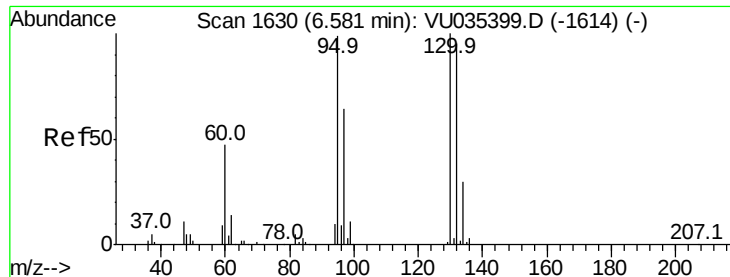
Tot Ion: 83 Resp: 13460
Ion Ratio Lower Upper
83 100
85 67.8 45.1 83.9



#33
Benzene
Concen: 0.121 ug/L
RT: 5.82 min Scan# 1393
Delta R.T. -0.00 min
Lab File: VU035406.D
Acq: 23 Oct 2019 13:21

Tgt Ion: 78 Resp: 8518

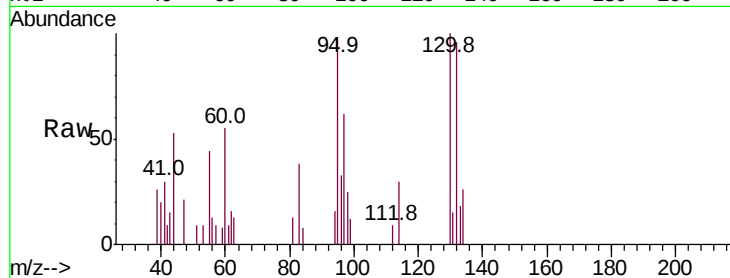




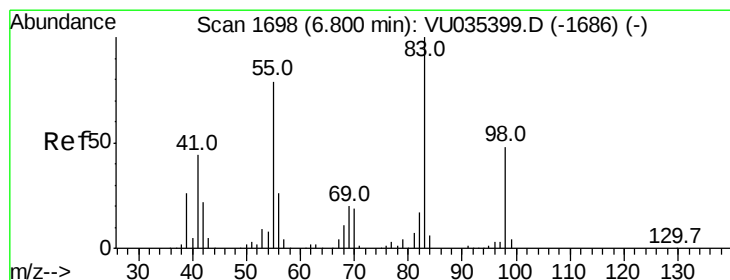
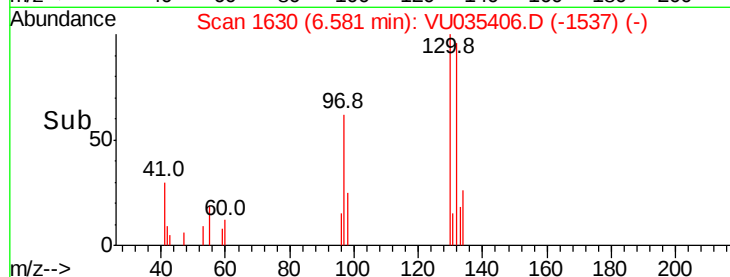
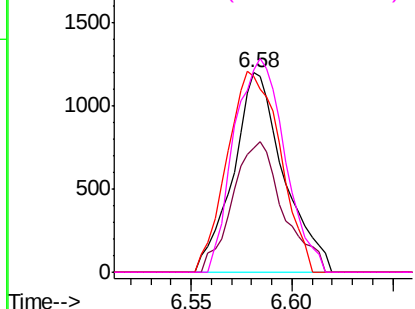
#34
 Trichloroethene
 Concen: 0.111 ug/L
 RT: 6.58 min Scan# 1630
 Delta R.T. -0.00 min
 Lab File: VU035406.D
 Acq: 23 Oct 2019 13:21

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 95 Resp: 2099
 Ion Ratio Lower Upper
 95 100
 97 62.6 46.6 86.6
 132 98.0 68.7 127.7
 130 101.7 73.9 137.3

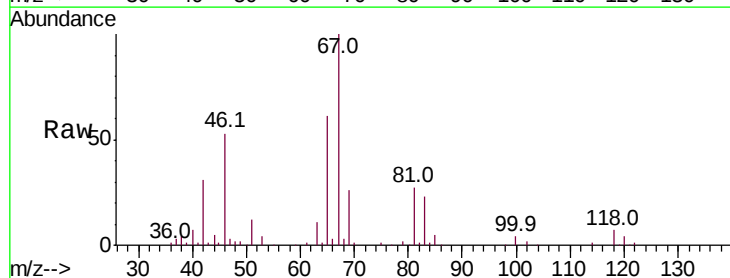


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

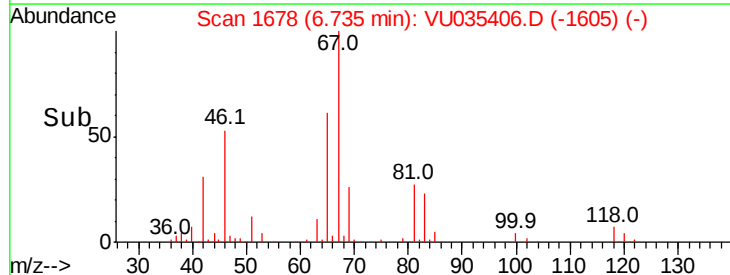
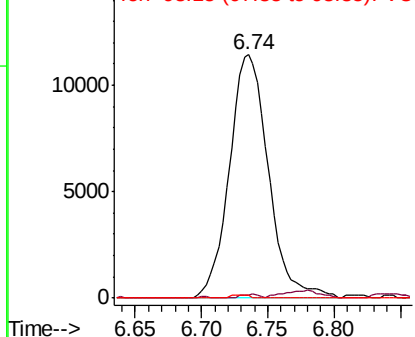


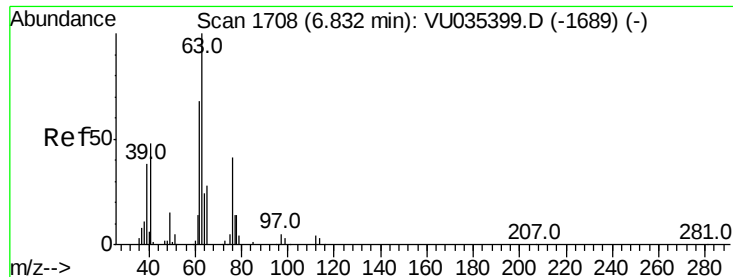
#35
 Methylcyclohexane
 Concen: 0.740 ug/L
 RT: 6.74 min Scan# 1678
 Delta R.T. -0.06 min
 Lab File: VU035406.D
 Acq: 23 Oct 2019 13:21

Tgt Ion: 83 Resp: 23352
 Ion Ratio Lower Upper
 83 100
 55 0.7 60.4 90.6#
 98 0.6 39.5 59.3#



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: 0.618 ug/L

RT: 6.74 min Scan# 1679

Delta R.T. -0.10 min

Lab File: VU035406.D

Acq: 23 Oct 2019 13:21

Instrument :

MSVOA_U

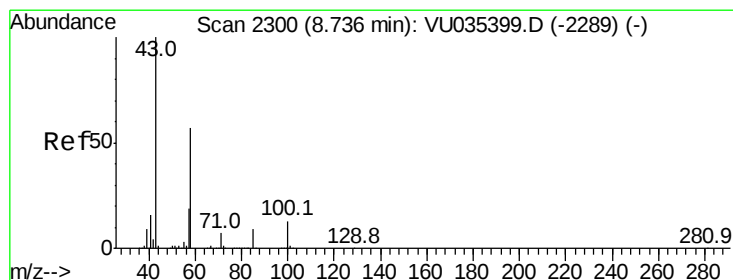
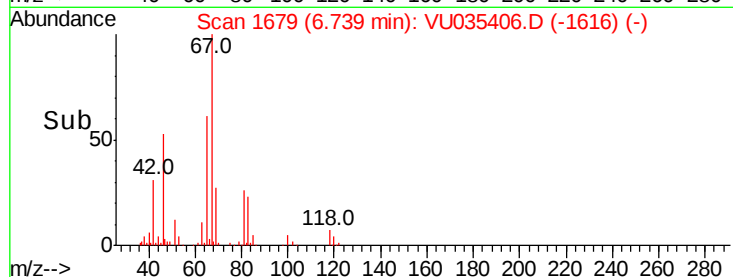
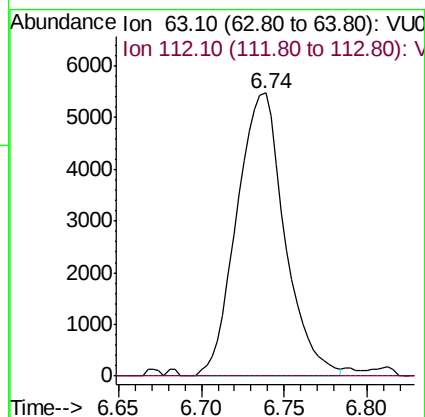
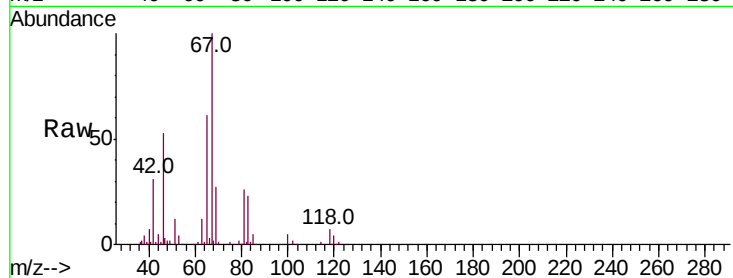
ClientSampleId :

Tot Ion: 63 Resp: 11017

Ion Ratio Lower Upper

63 100

112 0.6 3.7 5.5#



#48

2-Hexanone

Concen: 1.303 ug/L

RT: 8.74 min Scan# 2301

Delta R.T. 0.01 min

Lab File: VU035406.D

Acq: 23 Oct 2019 13:21

Tgt Ion: 43 Resp: 11008

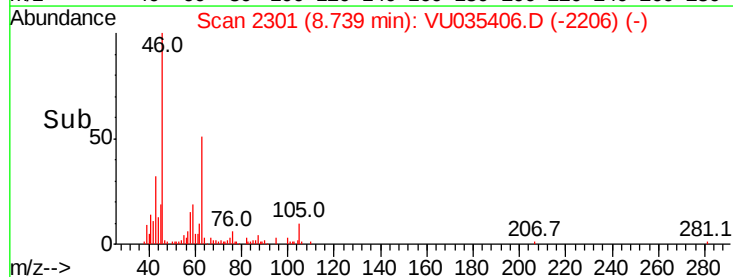
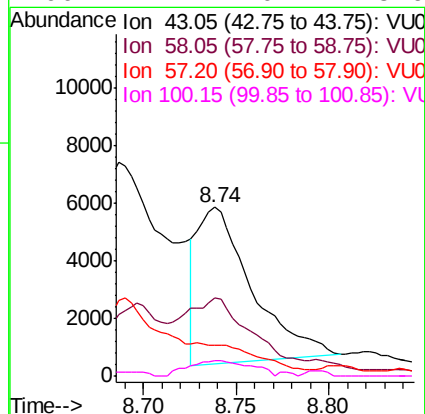
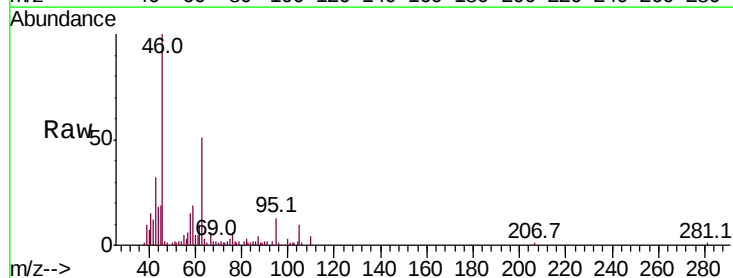
Ion Ratio Lower Upper

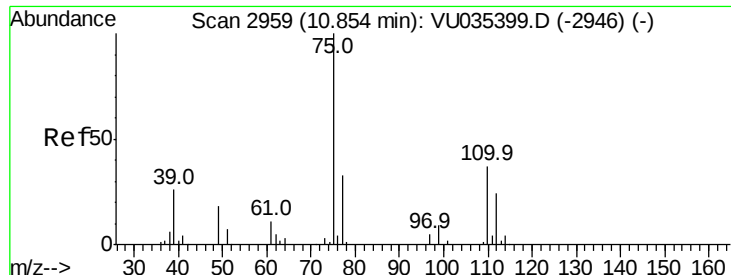
43 100

58 68.9 45.1 67.7#

57 0.0 16.0 24.0#

100 11.2 10.4 15.6





#59

1,2,3-Trichloropropane

Concen: 0.881 ug/L

RT: 11.84 min Scan# 3267

Delta R.T. 0.99 min

Lab File: VU035406.D

Acq: 23 Oct 2019 13:21

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 75 Resp: 10945

Ion Ratio Lower Upper

75 100

77 43.4 26.2 39.2#

