

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U102319\
 Data File : VU035408.D
 Acq On : 23 Oct 2019 14:06
 Operator : JC/SP
 Sample : K5461-01DL 40X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 23 17:19:57 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	240322	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	237436	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	76711	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	67879	4.63	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	92.60%
7) Chloroethane-d5	1.94	69	70623	5.27	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	105.40%
11) 1,1-Dichloroethene-d2	2.59	63	96314	3.56	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	71.20%
20) 2-Butanone-d5	4.71	46	251893	59.82	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	119.64%
24) Chloroform-d	5.11	84	147843	5.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	110.40%
26) 1,2-Dichloroethane-d4	5.75	65	86526	5.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	116.60%
32) Benzene-d6	5.77	84	283768	5.23	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.60%
36) 1,2-Dichloropropane-d6	6.74	67	99745	5.78	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	115.60%
41) Toluene-d8	7.93	98	234689	4.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.40%
43) trans-1,3-Dichloropropene-	8.22	79	35051	4.19	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.80%
46) 2-Hexanone-d5	8.69	63	173225	46.95	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.90%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	86127	5.60	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	112.00%
64) 1,2-Dichlorobenzene-d4	12.22	152	74881	5.36	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.20%

Target Compounds

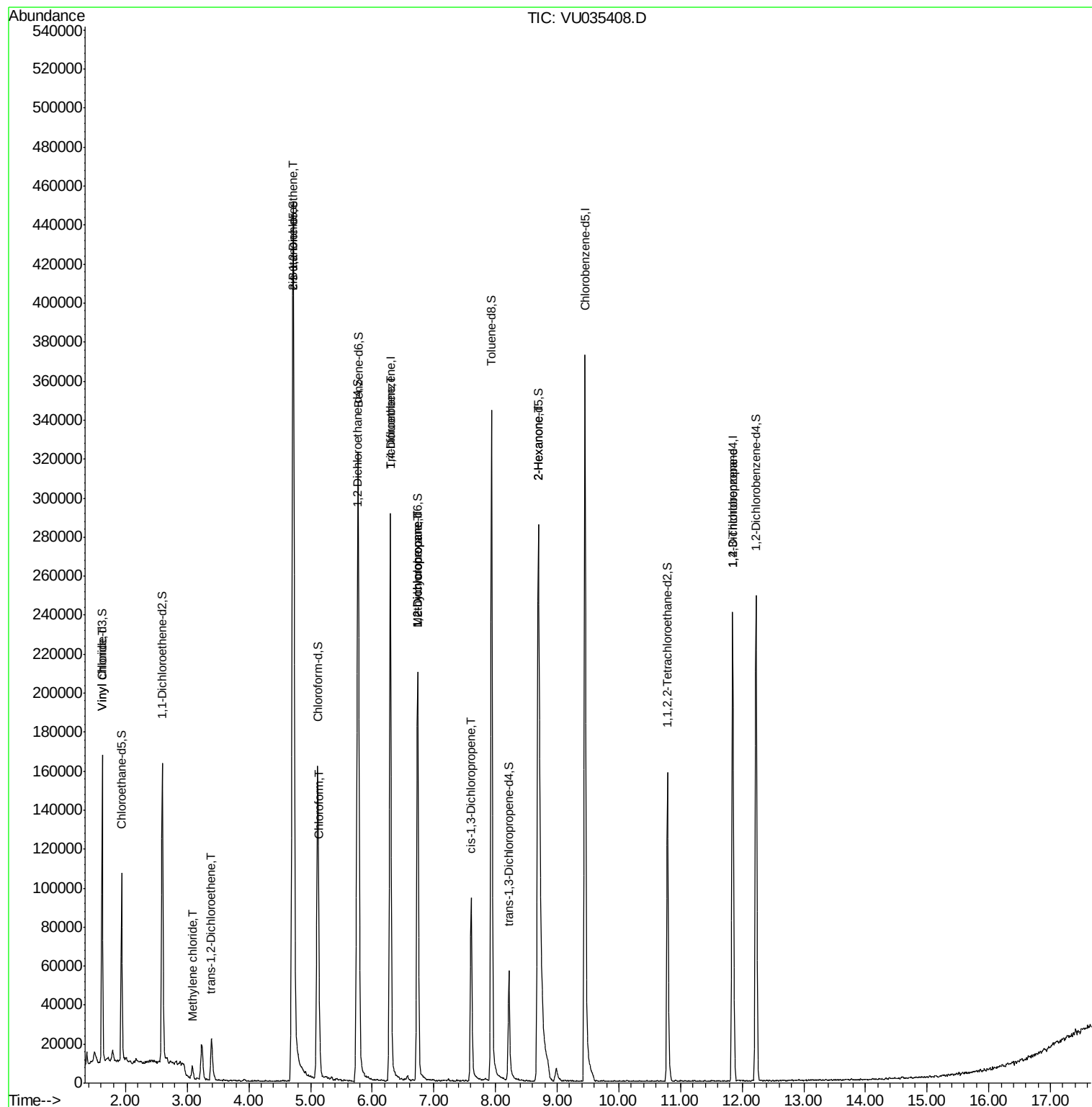
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.62	62	47545	2.282	ug/L	89
16) Methylene chloride	3.08	84	2727	0.147	ug/L	85
18) trans-1,2-Dichloroethene	3.39	96	9023	0.542	ug/L	96
22) cis-1,2-Dichloroethene	4.72	96	178013	9.666	ug/L	97
25) Chloroform	5.14	83	12915	0.391	ug/L	95
34) Trichloroethene	6.29	95	4576	0.244	ug/L #	3
35) Methylcyclohexane	6.74	83	22988	0.732	ug/L #	18
37) 1,2-Dichloropropane	6.74	63	11062	0.624	ug/L #	87
39) cis-1,3-Dichloropropene	7.61	75	2371	0.080	ug/L #	47
48) 2-Hexanone	8.69	43	18456	2.198	ug/L #	66
59) 1,2,3-Trichloropropane	11.84	75	9644	0.780	ug/L #	88

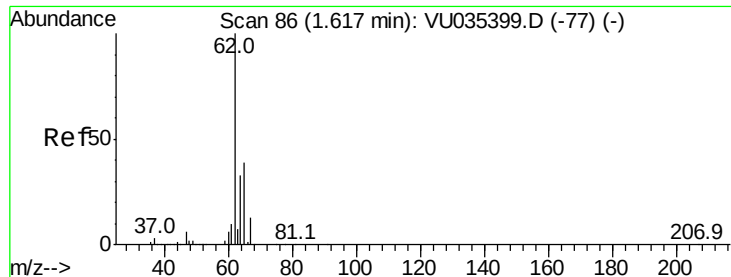
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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





#5

Vinyl chloride

Concen: 2.282 ug/L

RT: 1.62 min Scan# 88

Delta R.T. 0.00 min

Lab File: VU035408.D

Acq: 23 Oct 2019 14:06

Instrument :

MSVOA_U

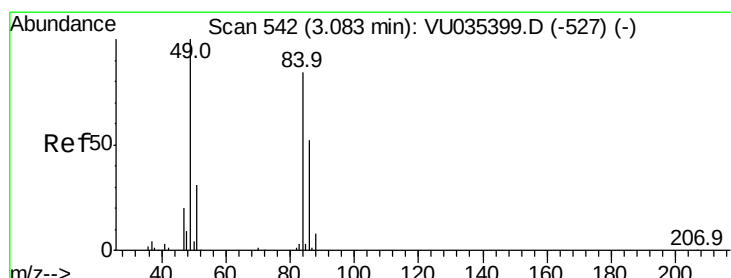
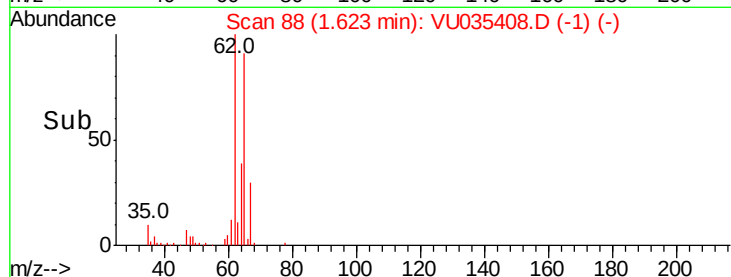
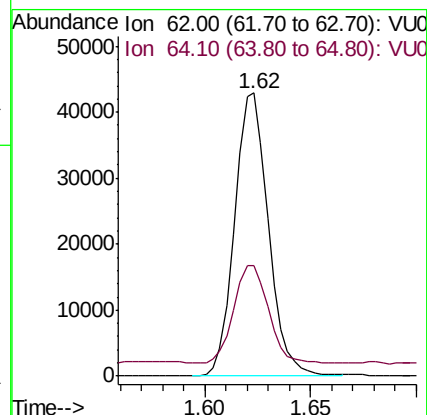
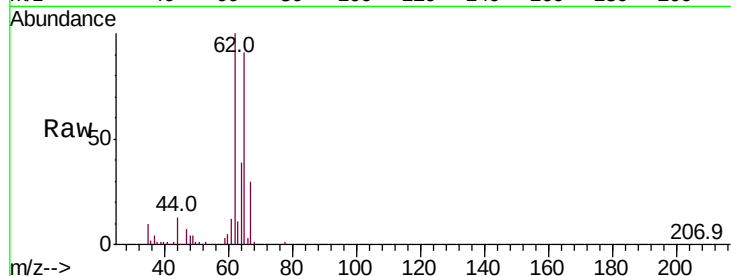
ClientSampleId :

Tot Ion: 62 Resp: 47545

Ion Ratio Lower Upper

62 100

64 39.1 22.9 42.5



#16

Methylene chloride

Concen: 0.147 ug/L

RT: 3.08 min Scan# 541

Delta R.T. -0.00 min

Lab File: VU035408.D

Acq: 23 Oct 2019 14:06

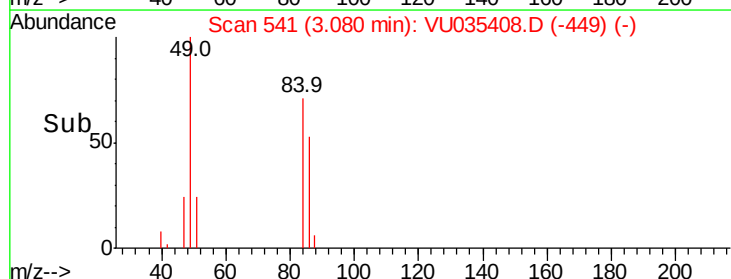
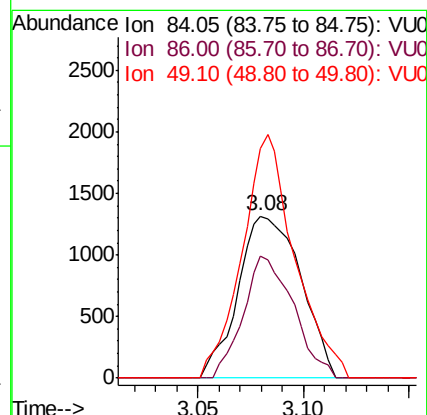
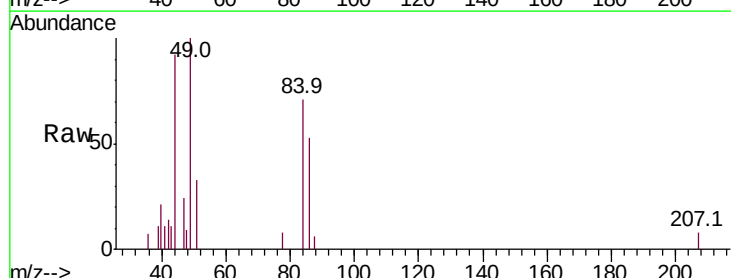
Tgt Ion: 84 Resp: 2727

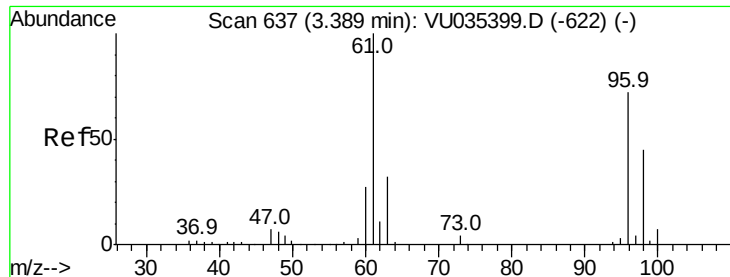
Ion Ratio Lower Upper

84 100

86 75.0 45.4 84.2

49 141.6 86.8 161.2





#18

trans-1,2-Dichloroethene

Concen: 0.542 ug/L

RT: 3.39 min Scan# 639

Delta R.T. 0.00 min

Lab File: VU035408.D

Acq: 23 Oct 2019 14:06

Instrument :

MSVOA_U

ClientSampleId :

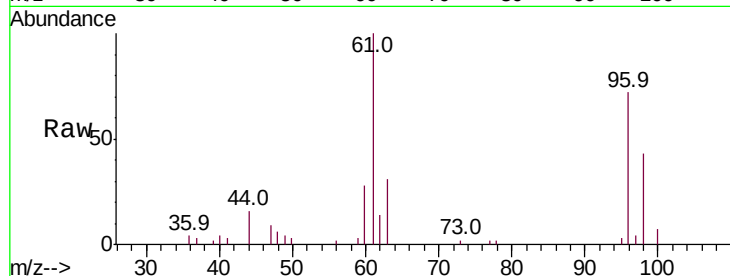
Tot Ion: 96 Resp: 9023

Ion Ratio Lower Upper

96 100

61 138.1 93.0 172.6

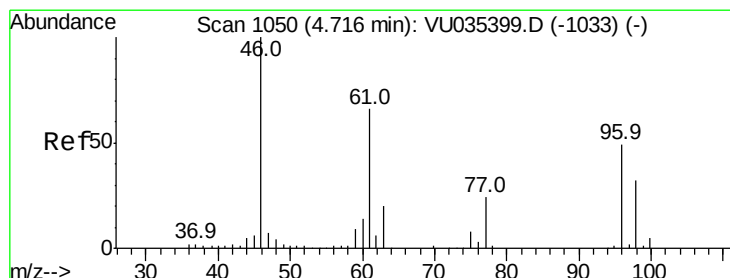
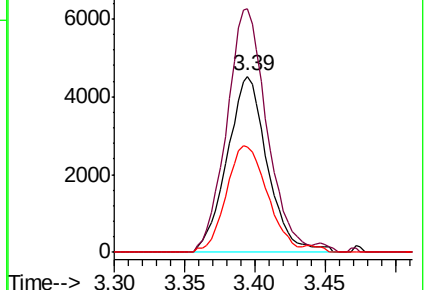
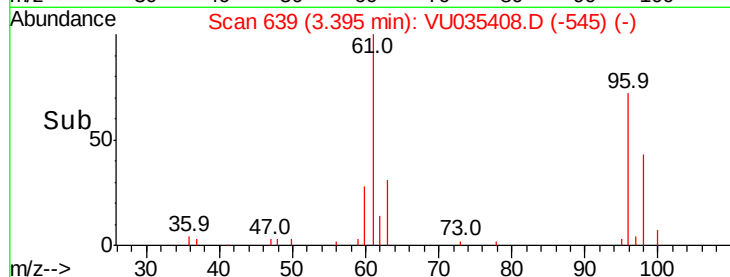
98 59.7 43.7 81.1



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

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: 9.666 ug/L

RT: 4.72 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VU035408.D

Acq: 23 Oct 2019 14:06

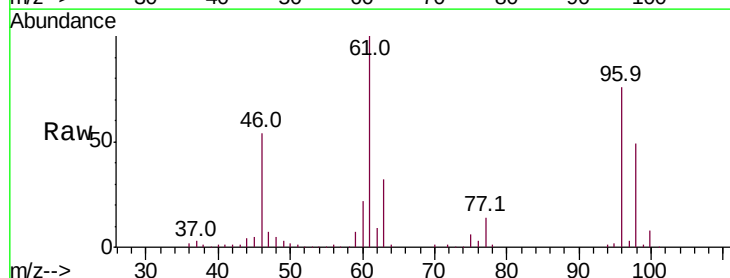
Tgt Ion: 96 Resp: 178013

Ion Ratio Lower Upper

96 100

61 131.3 89.7 166.5

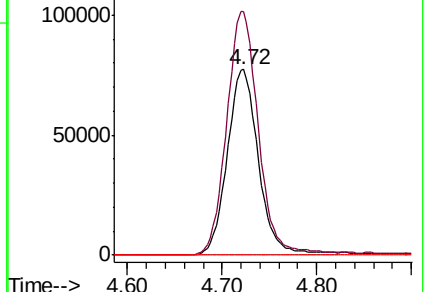
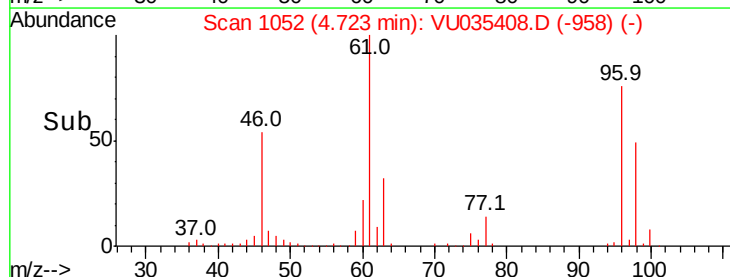
68 0.0 0.0 0.0

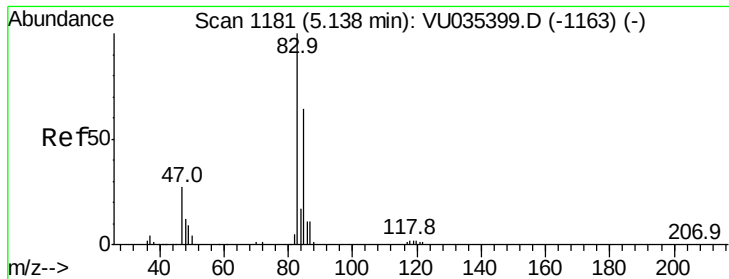


Abundance Ion 96.00 (95.70 to 96.70): VU035399.D (-1033) (-)

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

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

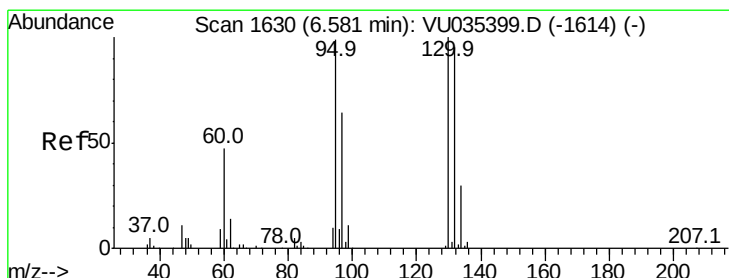
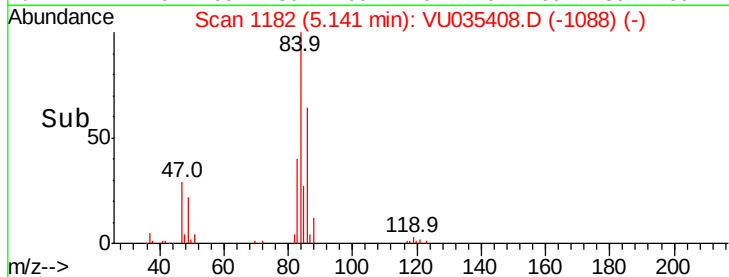
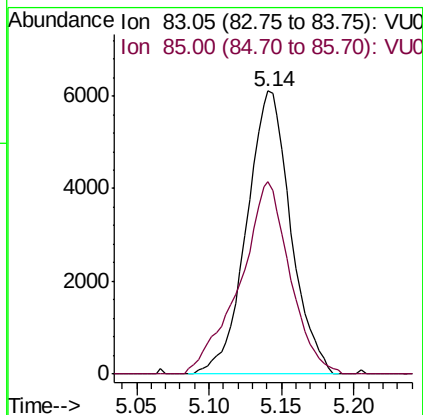
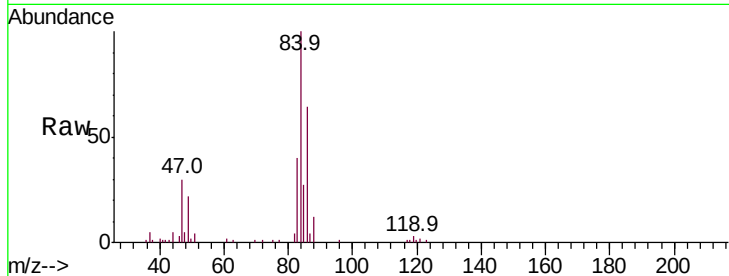




#25
Chloroform
Concen: 0.391 ug/L
RT: 5.14 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VU035408.D
Acq: 23 Oct 2019 14:06

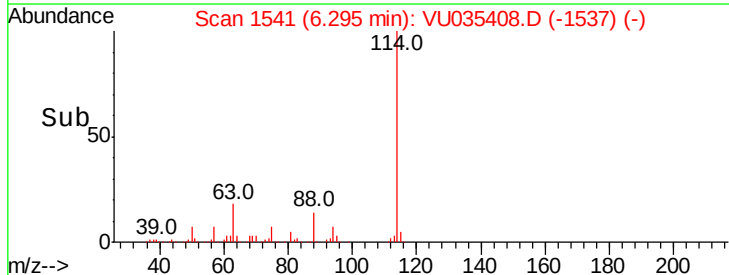
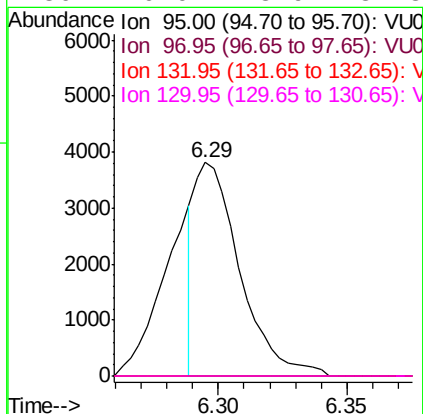
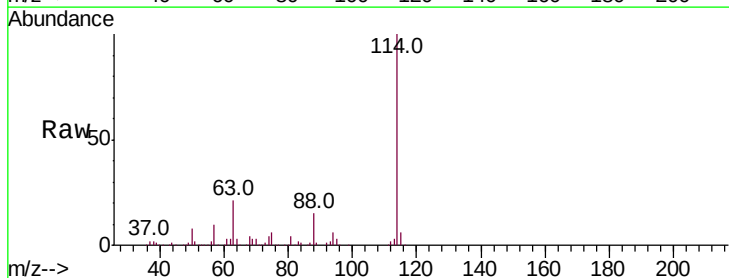
Instrument :
MSVOA_U
ClientSampleId :

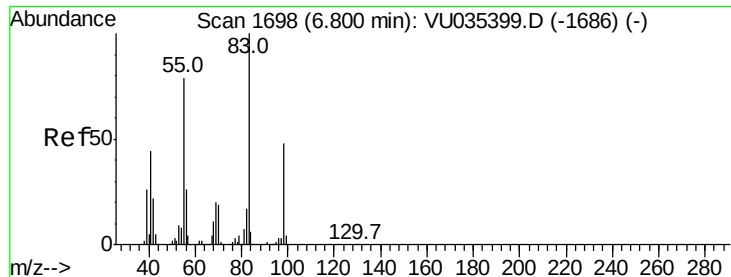
Tot Ion: 83 Resp: 12915
Ion Ratio Lower Upper
83 100
85 68.2 45.1 83.9



#34
Trichloroethene
Concen: 0.244 ug/L
RT: 6.29 min Scan# 1541
Delta R.T. -0.29 min
Lab File: VU035408.D
Acq: 23 Oct 2019 14:06

Tgt Ion: 95 Resp: 4576
Ion Ratio Lower Upper
95 100
97 0.0 46.6 86.6#
132 0.0 68.7 127.7#
130 0.0 73.9 137.3#





#35

Methylcyclohexane

Concen: 0.732 ug/L

RT: 6.74 min Scan# 1678

Delta R.T. -0.06 min

Lab File: VU035408.D

Acq: 23 Oct 2019 14:06

Instrument :

MSVOA_U

ClientSampleId :

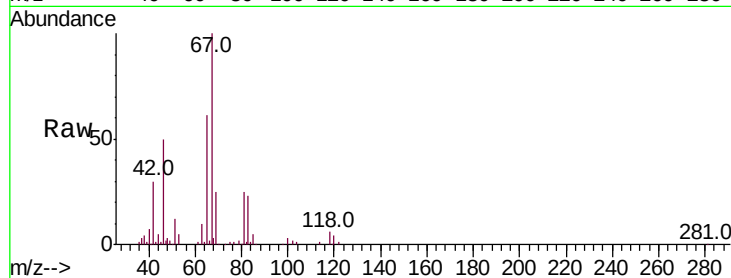
Tot Ion: 83 Resp: 22988

Ion Ratio Lower Upper

83 100

55 0.0 60.4 90.6#

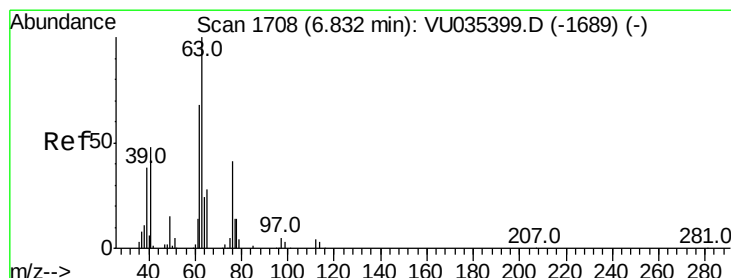
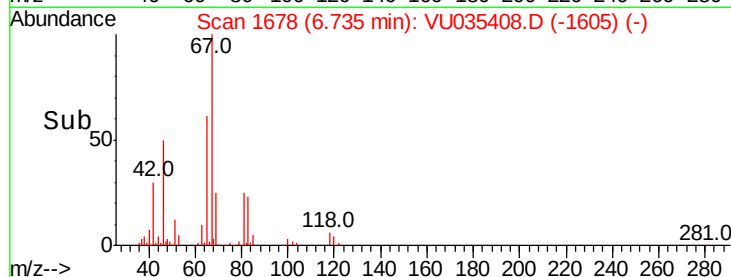
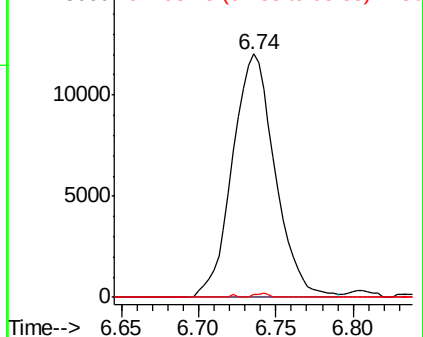
98 0.6 39.5 59.3#



Abundance Ion 83.15 (82.85 to 83.85): VU035399.D (-1686) (-)

Ion 55.10 (54.80 to 55.80): VU035399.D (-1686) (-)

Ion 98.15 (97.85 to 98.85): VU035399.D (-1686) (-)



#37

1,2-Dichloropropane

Concen: 0.624 ug/L

RT: 6.74 min Scan# 1678

Delta R.T. -0.10 min

Lab File: VU035408.D

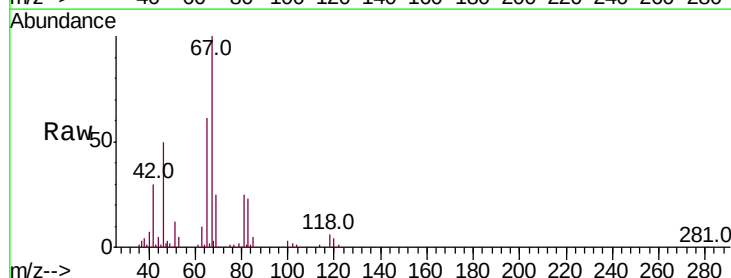
Acq: 23 Oct 2019 14:06

Tgt Ion: 63 Resp: 11062

Ion Ratio Lower Upper

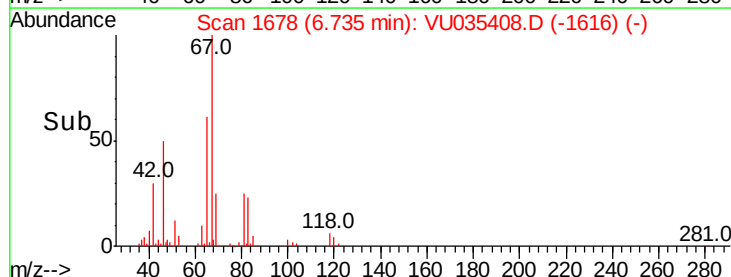
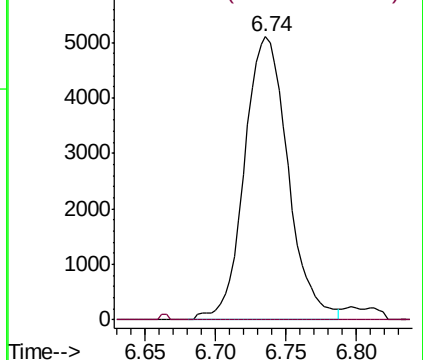
63 100

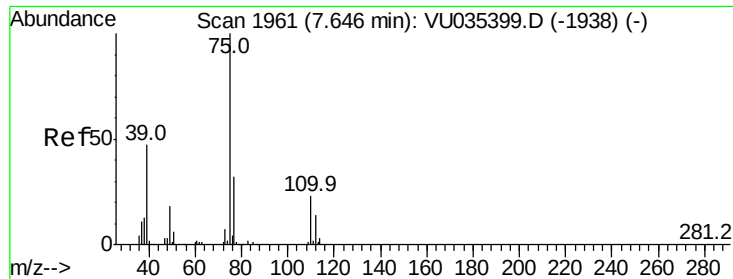
112 0.4 3.7 5.5#



Abundance Ion 63.10 (62.80 to 63.80): VU035399.D (-1689) (-)

Ion 112.10 (111.80 to 112.80): VU035399.D (-1689) (-)

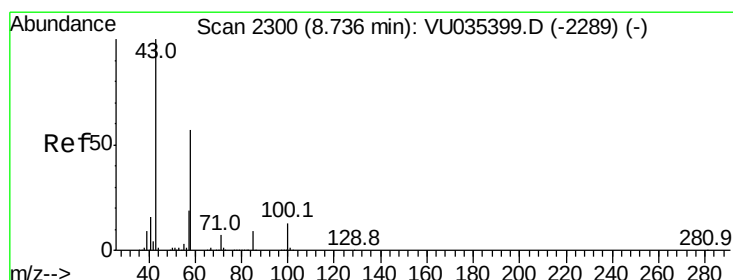
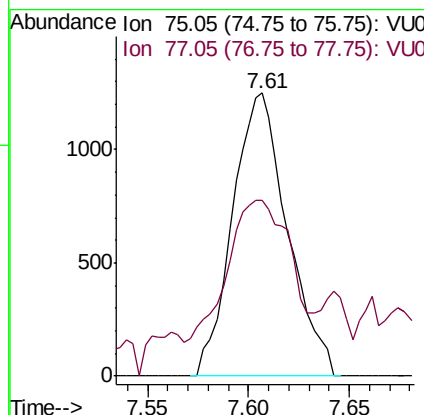
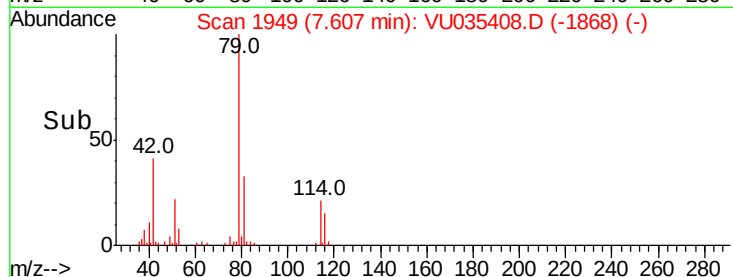
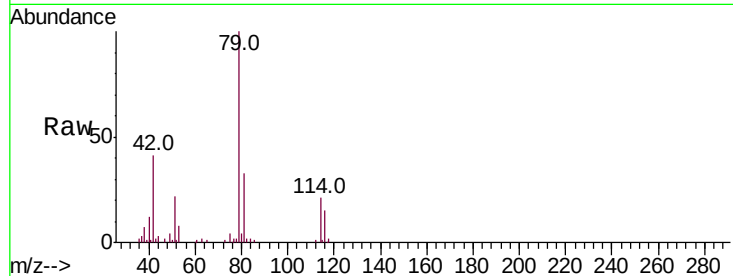




#39
 cis-1,3-Dichloropropene
 Concen: 0.080 ug/L
 RT: 7.61 min Scan# 1949
 Delta R.T. -0.04 min
 Lab File: VU035408.D
 Acq: 23 Oct 2019 14:06

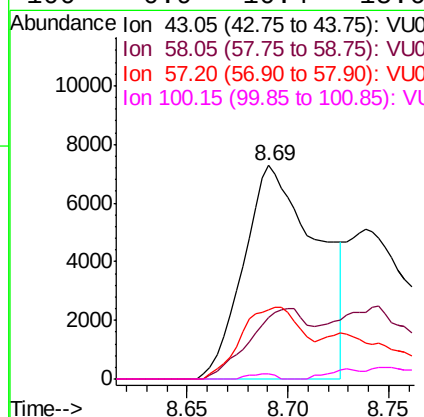
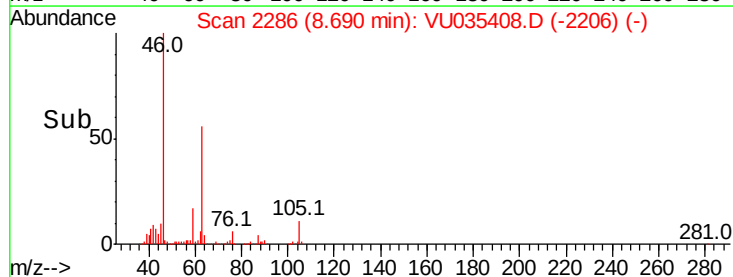
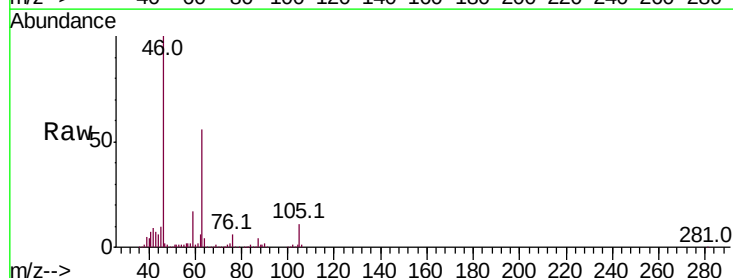
Instrument :
 MSVOA_U
 ClientSampled :

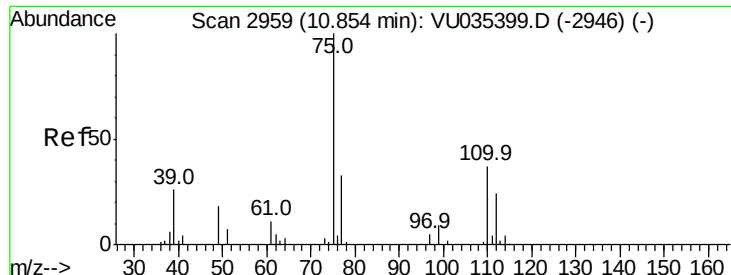
Tot Ion: 75 Resp: 2371
 Ion Ratio Lower Upper
 75 100
 77 62.0 22.7 42.1#



#48
 2-Hexanone
 Concen: 2.198 ug/L
 RT: 8.69 min Scan# 2286
 Delta R.T. -0.04 min
 Lab File: VU035408.D
 Acq: 23 Oct 2019 14:06

Tgt Ion: 43 Resp: 18456
 Ion Ratio Lower Upper
 43 100
 58 26.5 45.1 67.7#
 57 28.1 16.0 24.0#
 100 0.9 10.4 15.6#





#59

1,2,3-Trichloropropane

Concen: 0.780 ug/L

RT: 11.84 min Scan# 3267

Delta R.T. 0.99 min

Lab File: VU035408.D

Acq: 23 Oct 2019 14:06

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 75 Resp: 9644

Ion Ratio Lower Upper

75 100

77 39.5 26.2 39.2#

