

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U101819\
 Data File : VU035292.D
 Acq On : 19 Oct 2019 02:11
 Operator : JC/SP
 Sample : K5419-13DL 20X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 19 06:16:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Oct 19 06:13:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	312342	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	305693	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	125349	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	90451	4.75	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	95.00%
7) Chloroethane-d5	1.93	69	83384	4.79	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.80%
11) 1,1-Dichloroethene-d2	2.60	63	126486	3.59	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	71.80%
20) 2-Butanone-d5	4.71	46	271648	49.63	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.26%
24) Chloroform-d	5.11	84	179466	5.16	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.20%
26) 1,2-Dichloroethane-d4	5.75	65	101347	5.26	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.20%
32) Benzene-d6	5.77	84	356599	5.10	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.00%
36) 1,2-Dichloropropane-d6	6.74	67	116836	5.26	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	105.20%
41) Toluene-d8	7.93	98	326751	4.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.80%
43) trans-1,3-Dichloropropene-	8.22	79	46192	4.29	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.80%
46) 2-Hexanone-d5	8.69	63	225785	47.53	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.06%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	100069	5.06	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.20%
64) 1,2-Dichlorobenzene-d4	12.22	152	118133	5.17	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.40%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.62	62	169790	6.270	ug/L	99
8) Chloroethane	1.95	64	1654	0.095	ug/L	91
12) 1,1-Dichloroethene	2.61	96	3618	0.180	ug/L #	1
16) Methylene chloride	3.09	84	3408	0.141	ug/L	90
18) trans-1,2-Dichloroethene	3.39	96	36992	1.708	ug/L	94
22) cis-1,2-Dichloroethene	4.72	96	212169	8.864	ug/L	98
33) Benzene	5.82	78	12046	0.134	ug/L	100
34) Trichloroethene	6.58	95	10092	0.417	ug/L	98
35) Methylcyclohexane	6.74	83	26672	0.660	ug/L #	19
37) 1,2-Dichloropropane	6.74	63	13494	0.591	ug/L #	86
39) cis-1,3-Dichloropropene	7.60	75	3170	0.083	ug/L #	33
42) Toluene	8.01	91	21309	0.215	ug/L	92
48) 2-Hexanone	8.73	43	14462	1.338	ug/L #	90
53) m,p-Xylene	9.73	106	3744	0.088	ug/L	96
54) o-Xylene	10.13	106	3135	0.075	ug/L	89
59) 1,2,3-Trichloropropane	11.84	75	14727	0.926	ug/L	94

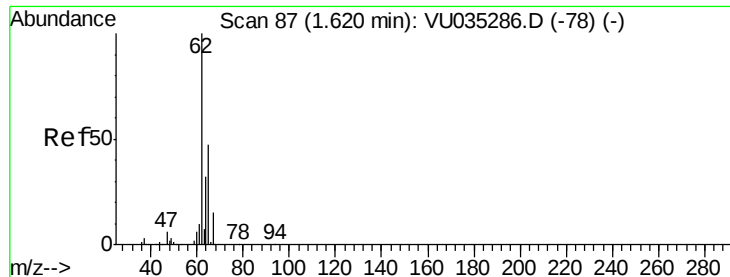
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU101819\
Data File : VU035292.D
Acq On : 19 Oct 2019 02:11
Operator : JC/SP
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Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Oct 19 06:13:43 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#5

Vinyl chloride

Concen: 6.270 ug/L

RT: 1.62 min Scan# 87

Delta R.T. -0.00 min

Lab File: VU035292.D

Acq: 19 Oct 2019 02:11

Instrument :

MSVOA_U

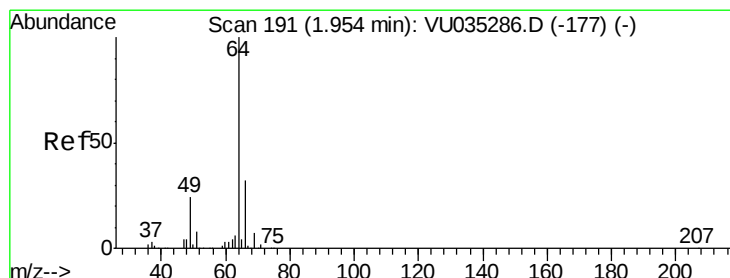
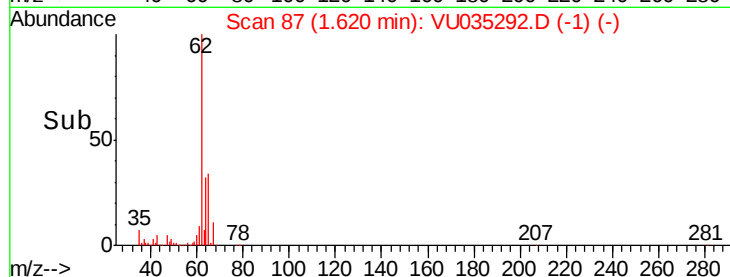
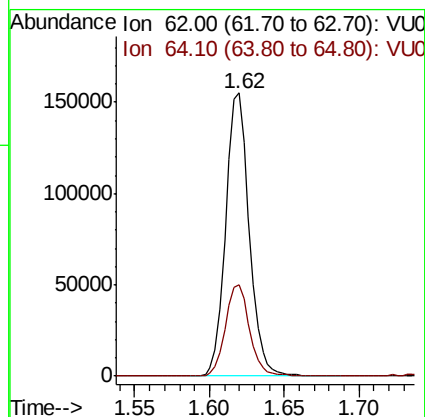
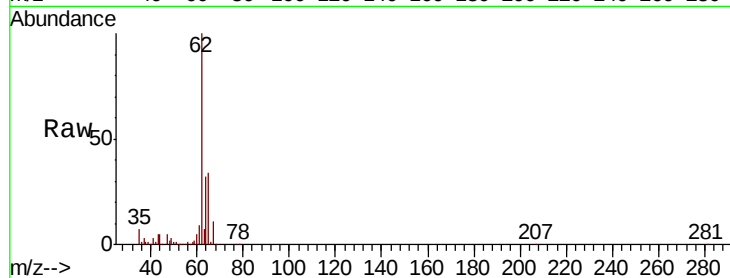
ClientSampleId :

Tot Ion: 62 Resp: 169790

Ion Ratio Lower Upper

62 100

64 32.4 22.9 42.5



#8

Chloroethane

Concen: 0.095 ug/L

RT: 1.95 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU035292.D

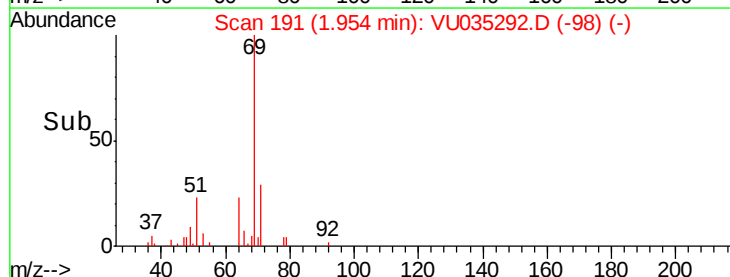
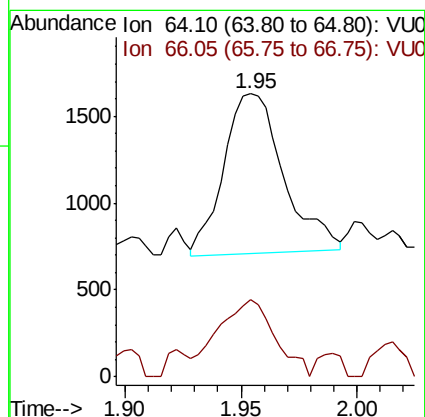
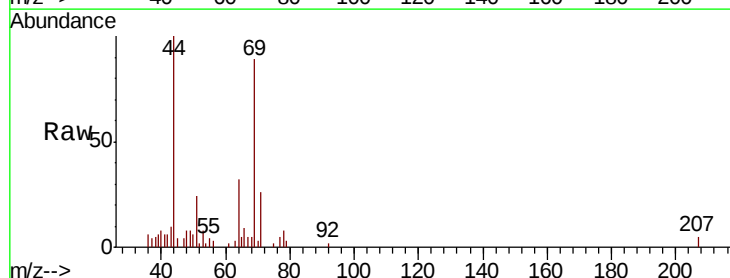
Acq: 19 Oct 2019 02:11

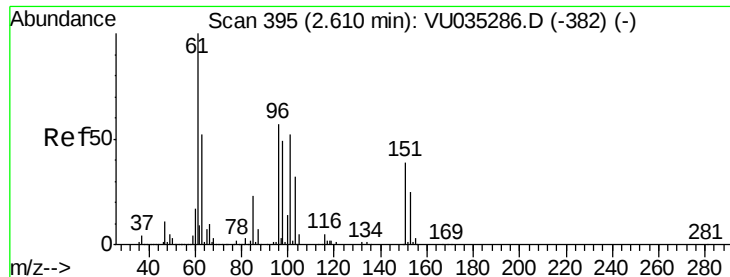
Tgt Ion: 64 Resp: 1654

Ion Ratio Lower Upper

64 100

66 27.5 22.7 42.1





#12

1,1-Dichloroethene

Concen: 0.180 ug/L

RT: 2.61 min Scan# 395

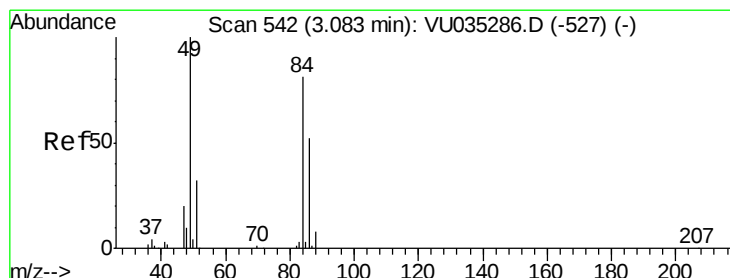
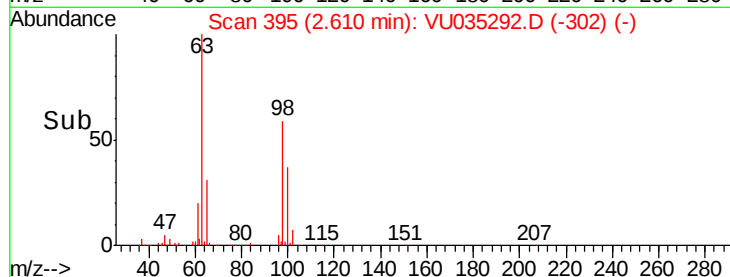
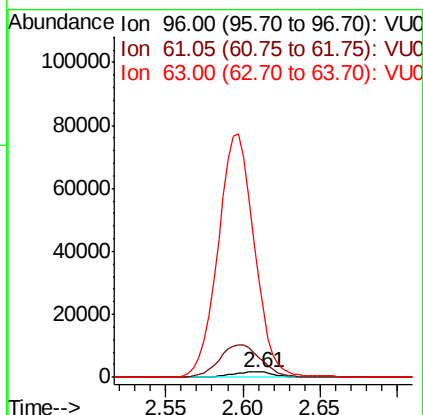
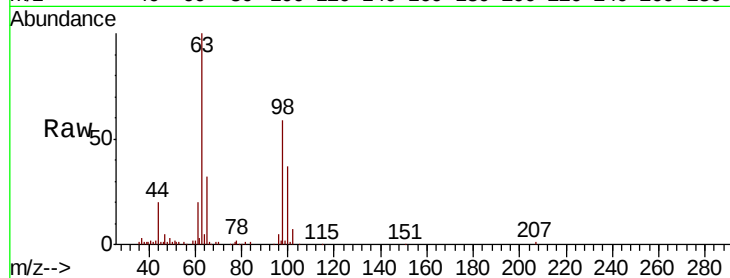
Delta R.T. -0.00 min

Lab File: VU035292.D

Acq: 19 Oct 2019 02:11

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 96 Resp: 3618
Ion Ratio Lower Upper
96 100
61 366.4 120.6 224.0#
63 1836.1 86.8 161.2#



#16

Methylene chloride

Concen: 0.141 ug/L

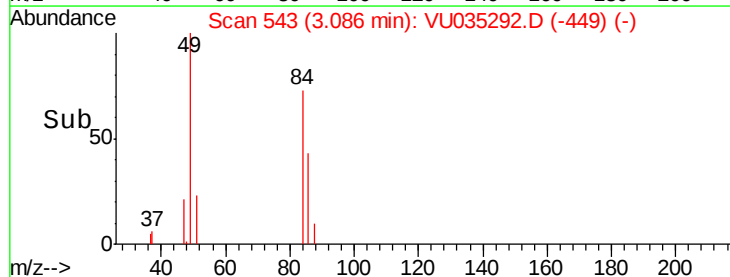
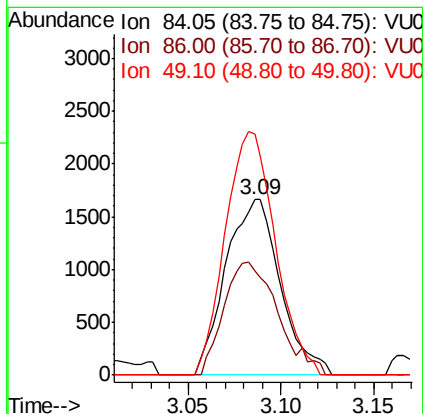
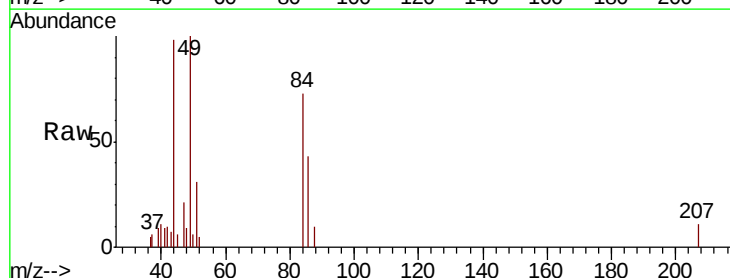
RT: 3.09 min Scan# 543

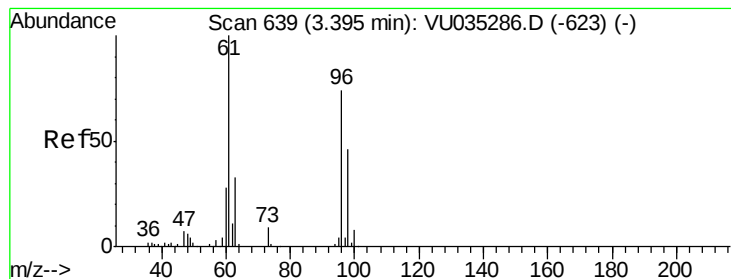
Delta R.T. 0.00 min

Lab File: VU035292.D

Acq: 19 Oct 2019 02:11

Tgt Ion: 84 Resp: 3408
Ion Ratio Lower Upper
84 100
86 59.7 45.4 84.2
49 137.6 86.8 161.2





#18

trans-1,2-Dichloroethene

Concen: 1.708 ug/L

RT: 3.39 min Scan# 639

Delta R.T. -0.00 min

Lab File: VU035292.D

Acq: 19 Oct 2019 02:11

Instrument :

MSVOA_U

ClientSampleId :

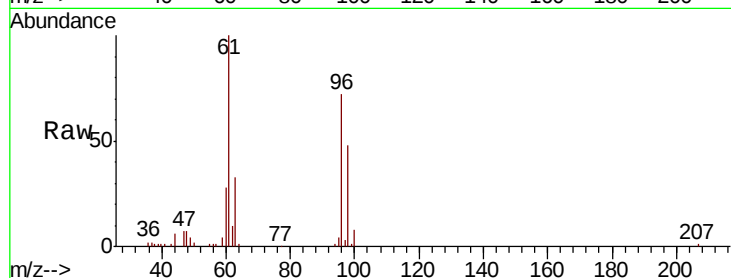
Tot Ion: 96 Resp: 36992

Ion Ratio Lower Upper

96 100

61 139.7 93.0 172.6

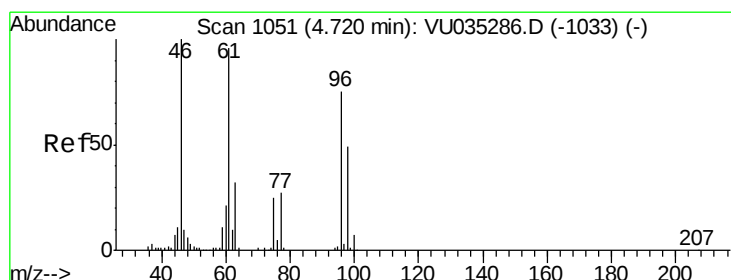
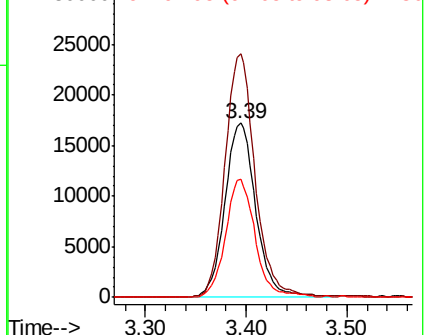
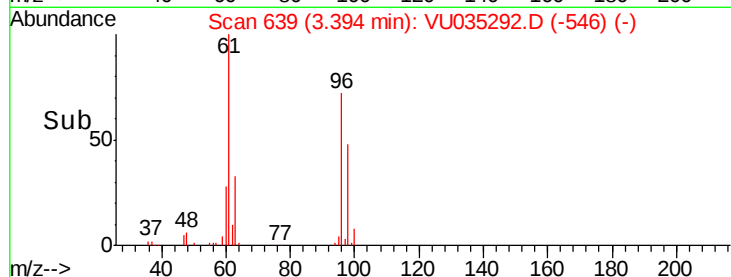
98 67.6 43.7 81.1



Abundance Ion 96.00 (95.70 to 96.70): VU035292.D (-546) (-)

Ion 61.05 (60.75 to 61.75): VU035292.D (-546) (-)

Ion 97.95 (97.65 to 98.65): VU035292.D (-546) (-)



#22

cis-1,2-Dichloroethene

Concen: 8.864 ug/L

RT: 4.72 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VU035292.D

Acq: 19 Oct 2019 02:11

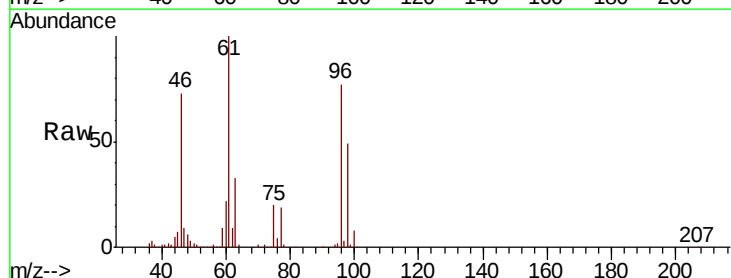
Tgt Ion: 96 Resp: 212169

Ion Ratio Lower Upper

96 100

61 130.1 89.7 166.5

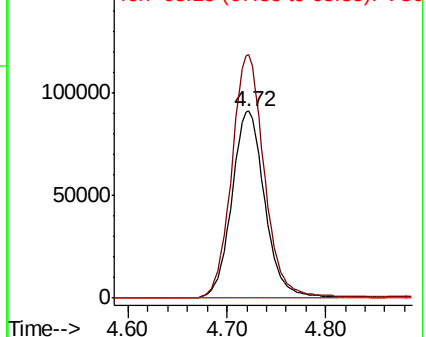
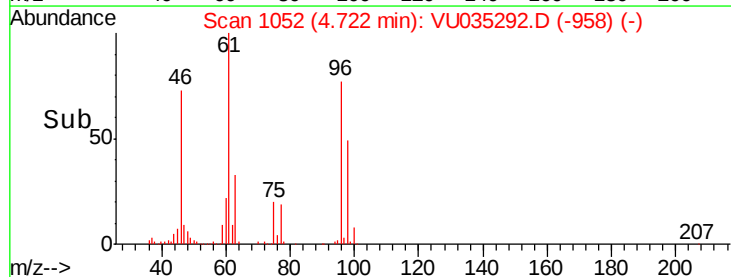
68 0.0 0.0 0.0

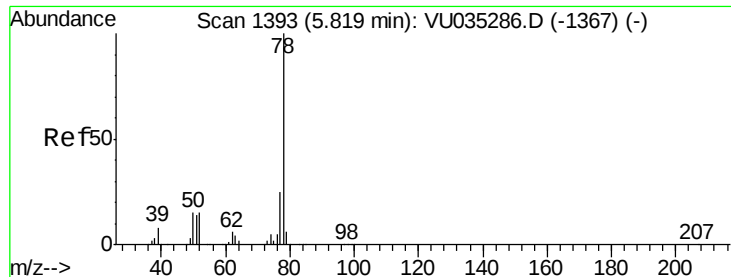


Abundance Ion 96.00 (95.70 to 96.70): VU035292.D (-958) (-)

Ion 61.05 (60.75 to 61.75): VU035292.D (-958) (-)

Ion 68.15 (67.85 to 68.85): VU035292.D (-958) (-)





#33

Benzene

Concen: 0.134 ug/L

RT: 5.82 min Scan# 1393

Delta R.T. -0.00 min

Lab File: VU035292.D

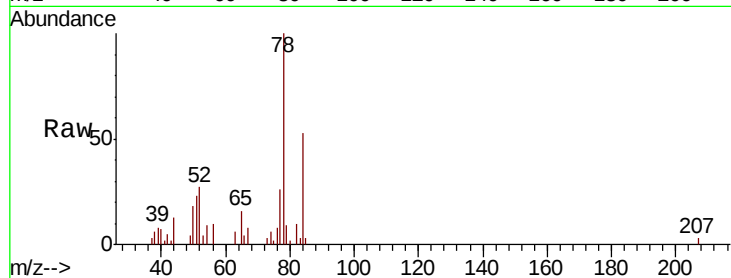
Acq: 19 Oct 2019 02:11

Instrument :

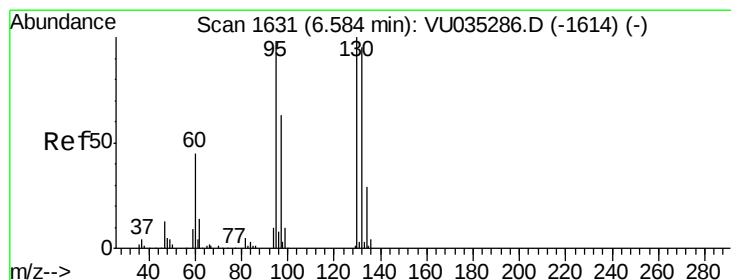
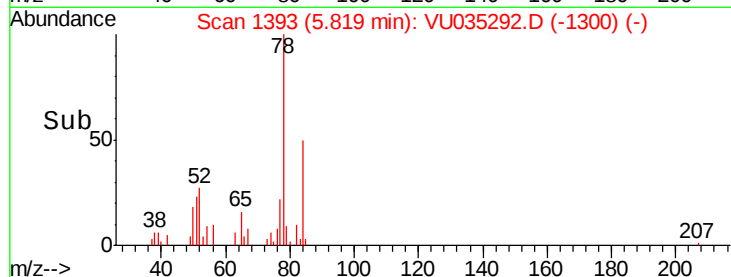
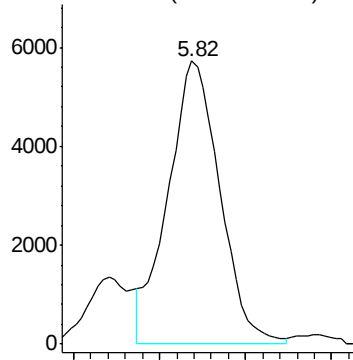
MSVOA_U

ClientSampleId :

Tgt Ion: 78 Resp: 12046



Abundance Ion 78.10 (77.80 to 78.80): VU0



#34

Trichloroethene

Concen: 0.417 ug/L

RT: 6.58 min Scan# 1631

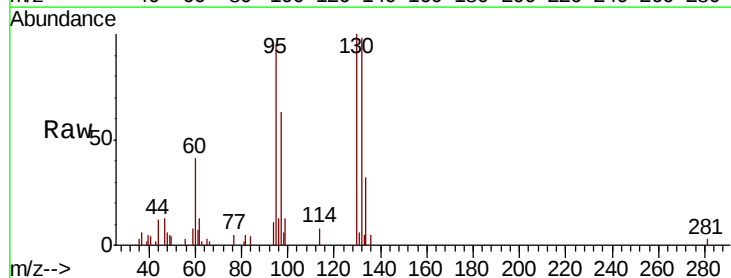
Delta R.T. -0.00 min

Lab File: VU035292.D

Acq: 19 Oct 2019 02:11

Tgt Ion: 95 Resp: 10092

Ion	Ratio	Lower	Upper
95	100		
97	66.2	46.6	86.6
132	102.9	68.7	127.7
130	104.8	73.9	137.3

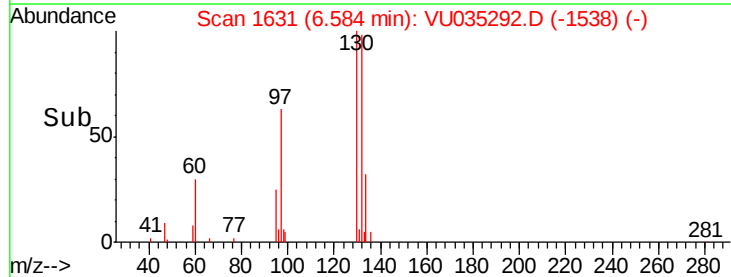
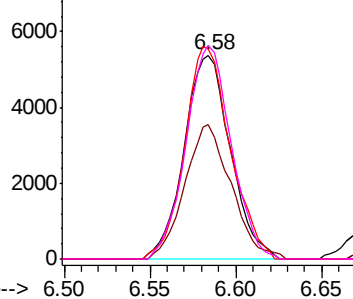


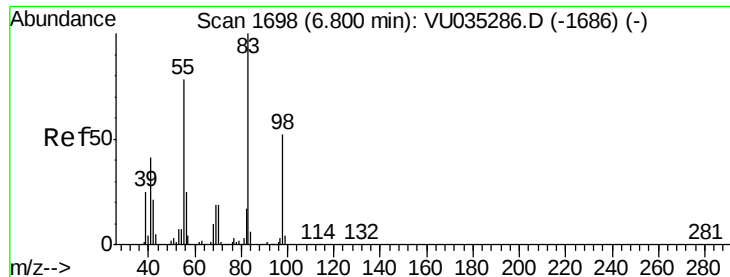
Abundance Ion 95.00 (94.70 to 95.70): VU0

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

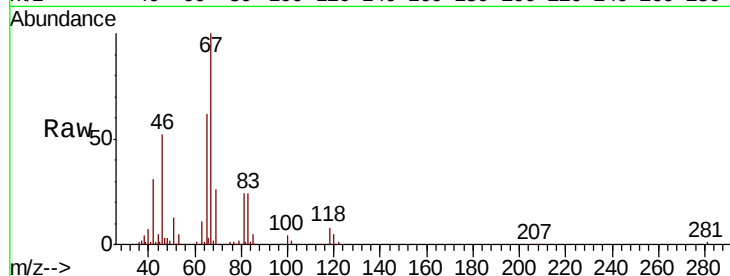




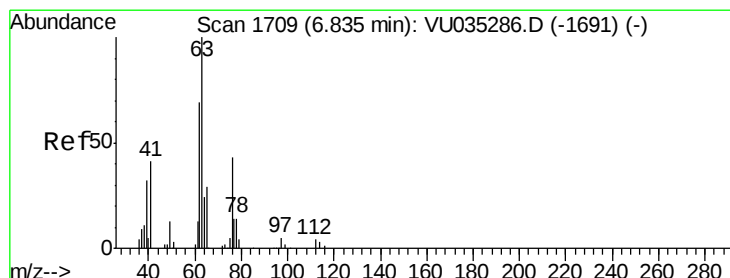
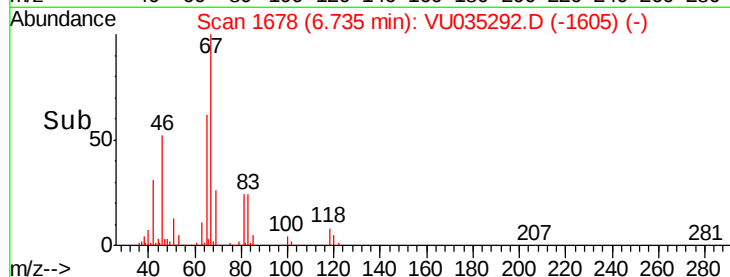
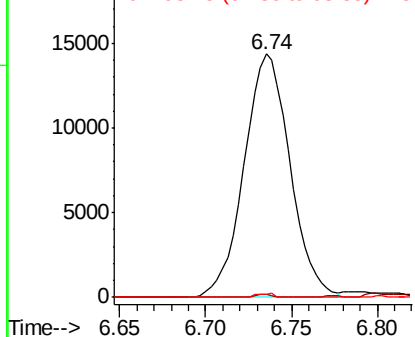
#35
Methvlcvclohexane
Concen: 0.660 ug/L
RT: 6.74 min Scan# 1678
Delta R.T. -0.06 min
Lab File: VU035292.D
Acq: 19 Oct 2019 02:11

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 83 Resp: 26672
Ion Ratio Lower Upper
83 100
55 0.4 60.4 90.6#
98 0.5 39.5 59.3#

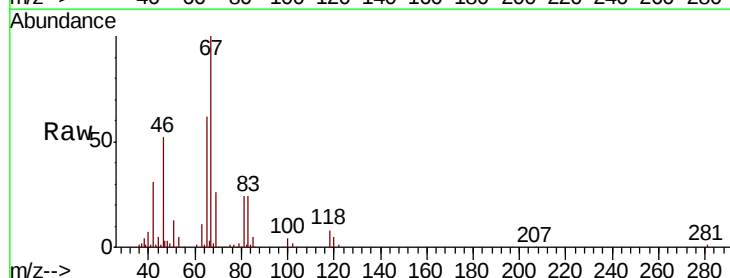


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

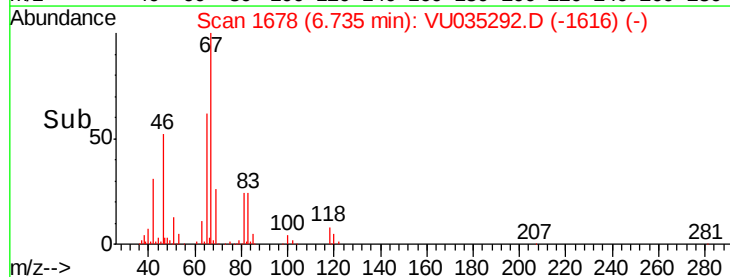
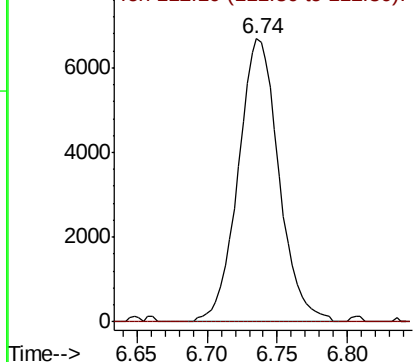


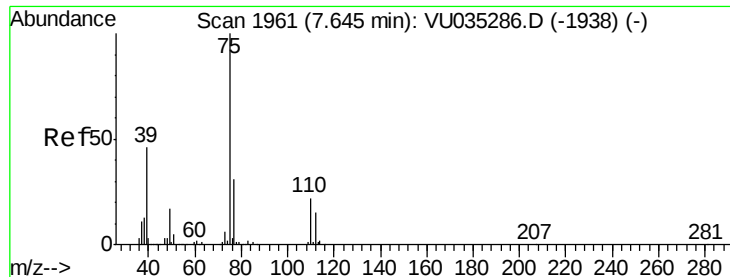
#37
1,2-Dichloropropane
Concen: 0.591 ug/L
RT: 6.74 min Scan# 1678
Delta R.T. -0.10 min
Lab File: VU035292.D
Acq: 19 Oct 2019 02:11

Tgt Ion: 63 Resp: 13494
Ion Ratio Lower Upper
63 100
112 0.0 3.7 5.5#



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

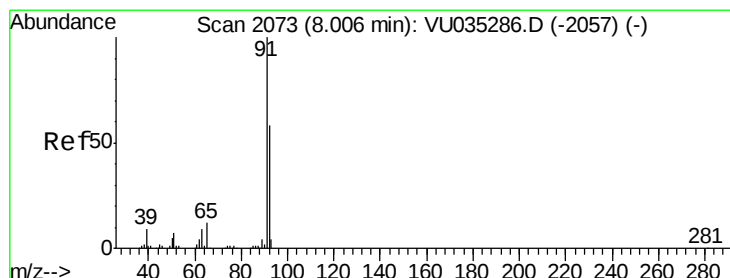
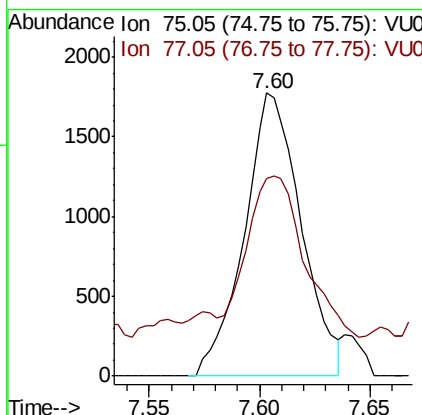
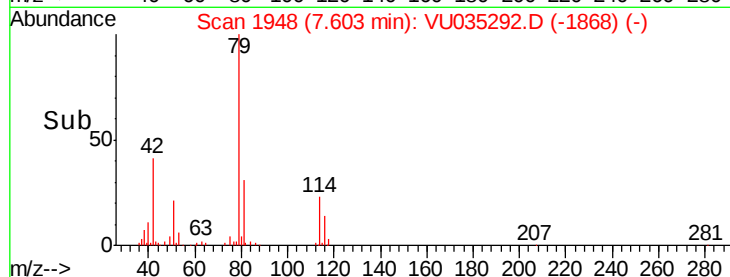
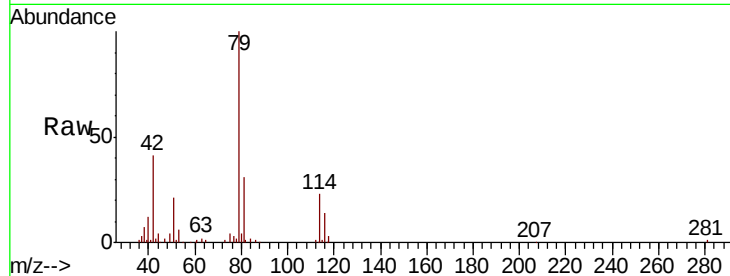




#39
 cis-1,3-Dichloropropene
 Concen: 0.083 ug/L
 RT: 7.60 min Scan# 1948
 Delta R.T. -0.04 min
 Lab File: VU035292.D
 Acq: 19 Oct 2019 02:11

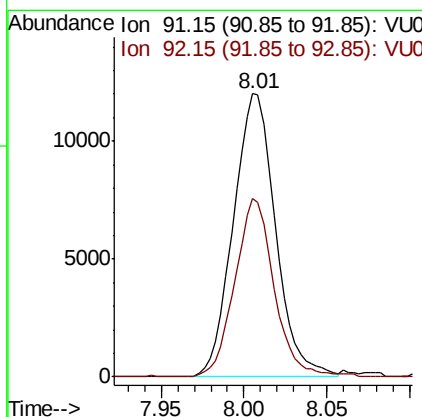
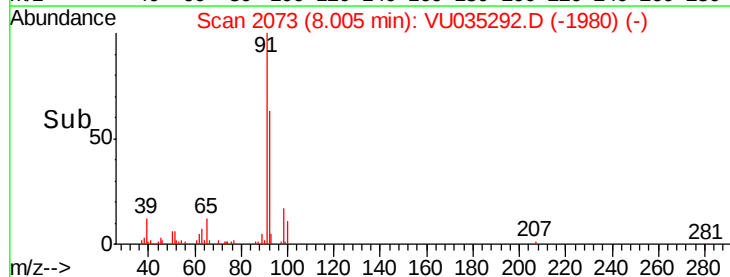
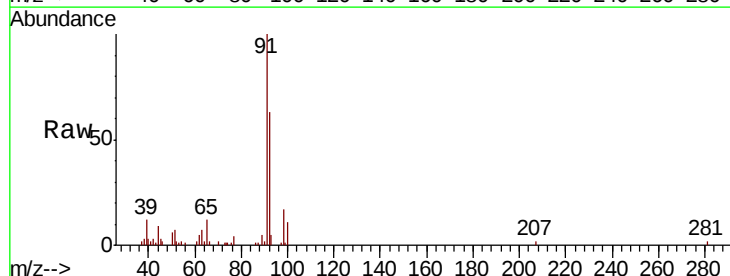
Instrument :
 MSVOA_U
 ClientSampleId :

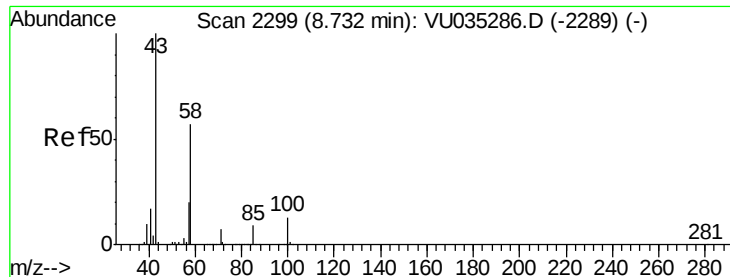
Tot Ion: 75 Resp: 3170
 Ion Ratio Lower Upper
 75 100
 77 70.0 22.7 42.1#



#42
 Toluene
 Concen: 0.215 ug/L
 RT: 8.01 min Scan# 2073
 Delta R.T. -0.00 min
 Lab File: VU035292.D
 Acq: 19 Oct 2019 02:11

Tgt Ion: 91 Resp: 21309
 Ion Ratio Lower Upper
 91 100
 92 63.0 39.9 74.1

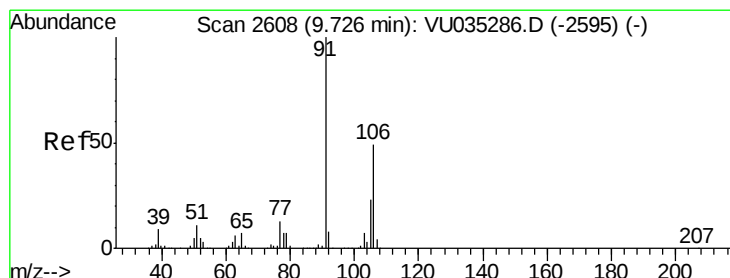
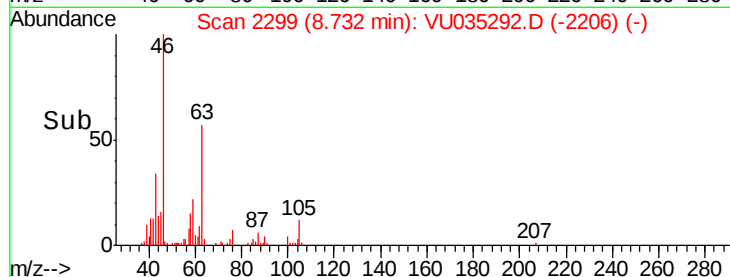
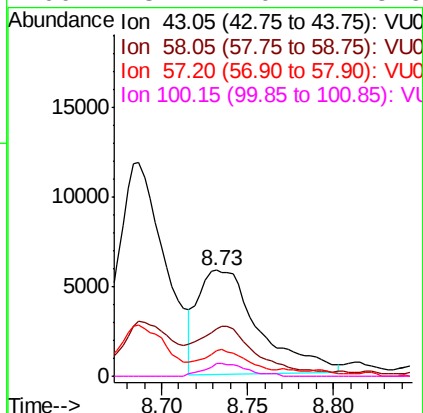
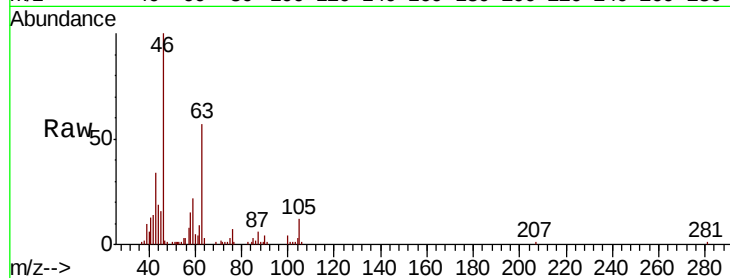




#48
 2-Hexanone
 Concen: 1.338 ug/L
 RT: 8.73 min Scan# 2299
 Delta R.T. -0.00 min
 Lab File: VU035292.D
 Acq: 19 Oct 2019 02:11

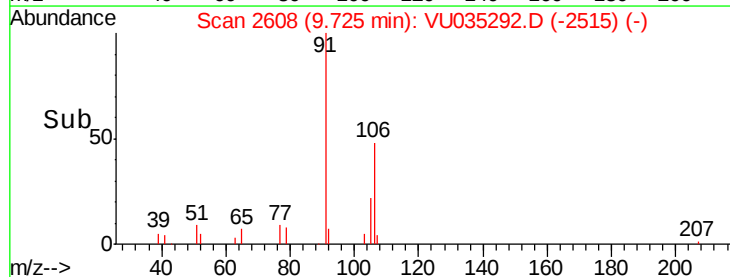
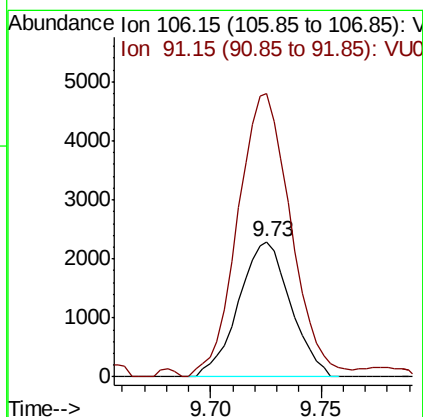
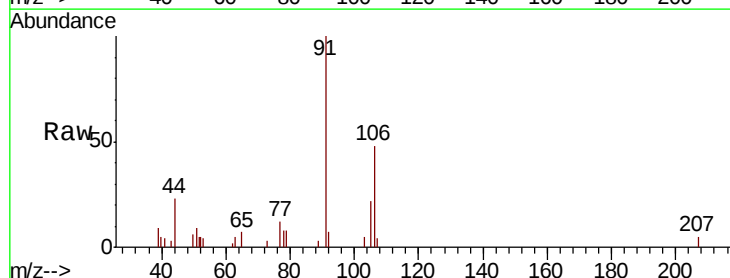
Instrument :
 MSVOA_U
 ClientSampleId :

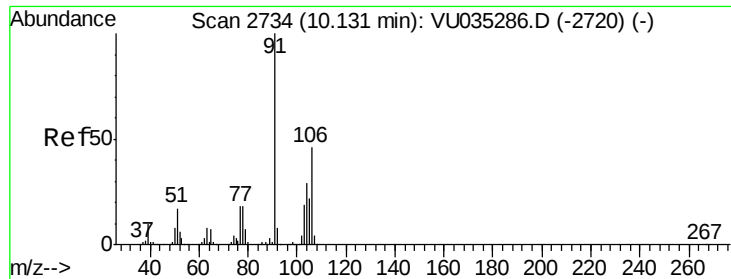
Tot Ion: 43 Resp: 14462
 Ion Ratio Lower Upper
 43 100
 58 47.8 45.1 67.7
 57 22.0 16.0 24.0
 100 8.4 10.4 15.6#



#53
 m,p-Xylene
 Concen: 0.088 ug/L
 RT: 9.73 min Scan# 2608
 Delta R.T. -0.00 min
 Lab File: VU035292.D
 Acq: 19 Oct 2019 02:11

Tgt Ion: 106 Resp: 3744
 Ion Ratio Lower Upper
 106 100
 91 209.5 142.0 263.6

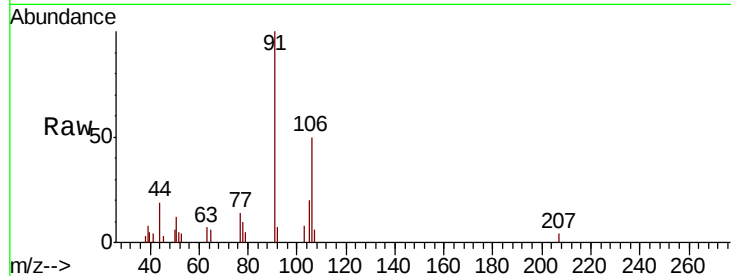




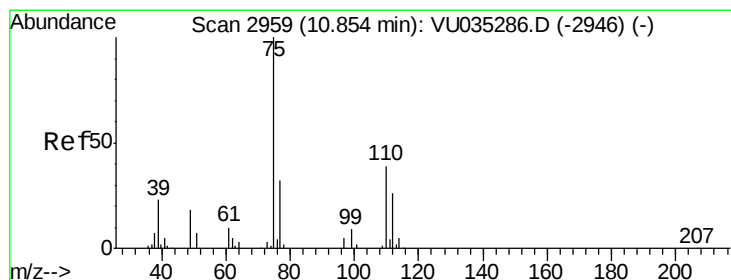
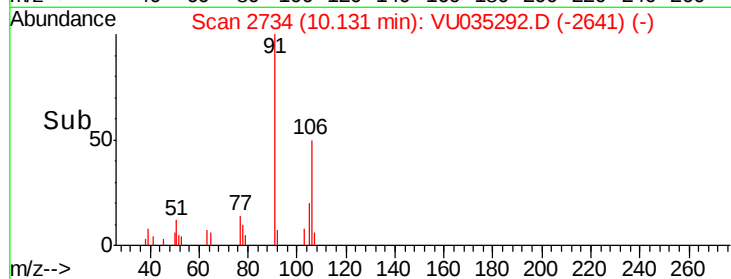
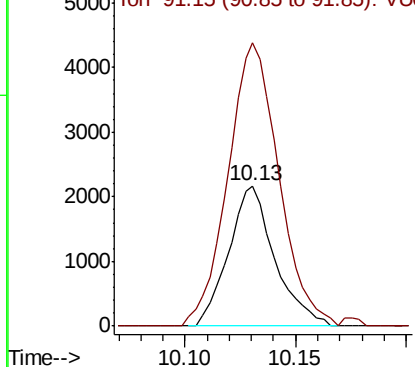
#54
o-Xylene
Concen: 0.075 ug/L
RT: 10.13 min Scan# 2734
Delta R.T. -0.00 min
Lab File: VU035292.D
Acq: 19 Oct 2019 02:11

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:106 Resp: 3135
Ion Ratio Lower Upper
106 100
91 201.8 153.2 284.6

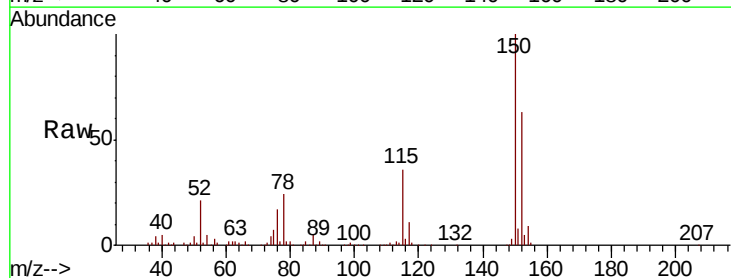


Abundance Ion 106.15 (105.85 to 106.85): VU035286.D (-2720) (-)
Ion 91.15 (90.85 to 91.85): VU035286.D (-2720) (-)



#59
1,2,3-Trichloropropane
Concen: 0.926 ug/L
RT: 11.84 min Scan# 3267
Delta R.T. 0.99 min
Lab File: VU035292.D
Acq: 19 Oct 2019 02:11

Tgt Ion: 75 Resp: 14727
Ion Ratio Lower Upper
75 100
77 35.8 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VU035286.D (-2946) (-)
Ion 77.00 (76.70 to 77.70): VU035286.D (-2946) (-)

