

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121719\
 Data File : VU036260.D
 Acq On : 17 Dec 2019 15:43
 Operator : JC/MD
 Sample : K6281-05
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 18 01:27:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121319WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Dec 18 01:23:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	234124	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	264234	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	107343	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	79531	3.86	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	77.20%
7) Chloroethane-d5	1.93	69	80328	4.35	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.00%
11) 1,1-Dichloroethene-d2	2.59	63	87205	2.93	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	58.60%#
20) 2-Butanone-d5	4.69	46	208836	54.07	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	108.14%
24) Chloroform-d	5.11	84	152839	4.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.20%
26) 1,2-Dichloroethane-d4	5.75	65	84532	4.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.20%
32) Benzene-d6	5.77	84	276836	4.17	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.40%
36) 1,2-Dichloropropane-d6	6.73	67	90834	4.34	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	86.80%
41) Toluene-d8	7.93	98	226574	3.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	72.60%
43) trans-1,3-Dichloropropene-	8.21	79	37080	4.31	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.20%
46) 2-Hexanone-d5	8.68	63	145186	44.10	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	88.20%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	91142	4.76	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.20%
64) 1,2-Dichlorobenzene-d4	12.22	152	97313	4.73	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.60%

Target Compounds

					Ovalue
5) Vinyl chloride	1.62	62	25280	0.813	ug/L 91
13) Acetone	2.68	43	12591	3.740	ug/L 92
16) Methylene chloride	3.08	84	3415	0.134	ug/L 83
18) trans-1,2-Dichloroethene	3.40	96	1818	0.100	ug/L 84
19) 1,1-Dichloroethane	3.92	63	14583	0.434	ug/L 98
22) cis-1,2-Dichloroethene	4.72	96	26828	1.375	ug/L 97
25) Chloroform	5.14	83	9708	0.267	ug/L 94
27) 1,2-Dichloroethane	5.84	62	3010	0.140	ug/L # 94
33) Benzene	5.82	78	34176	0.421	ug/L 100
34) Trichloroethene	6.58	95	3946	0.188	ug/L 94
35) Methylcyclohexane	6.74	83	21871	0.735	ug/L # 18
37) 1,2-Dichloropropane	6.73	63	10797	0.521	ug/L # 87
39) cis-1,3-Dichloropropene	7.61	75	2542	0.090	ug/L # 63
48) 2-Hexanone	8.73	43	9114	1.127	ug/L # 91
51) Chlorobenzene	9.48	112	4687	0.082	ug/L 97
53) m,p-Xylene	9.72	106	3307	0.098	ug/L 68
54) o-Xylene	10.13	106	2327	0.072	ug/L 87

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Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Dec 18 01:23:38 2019
Response via : Initial Calibration

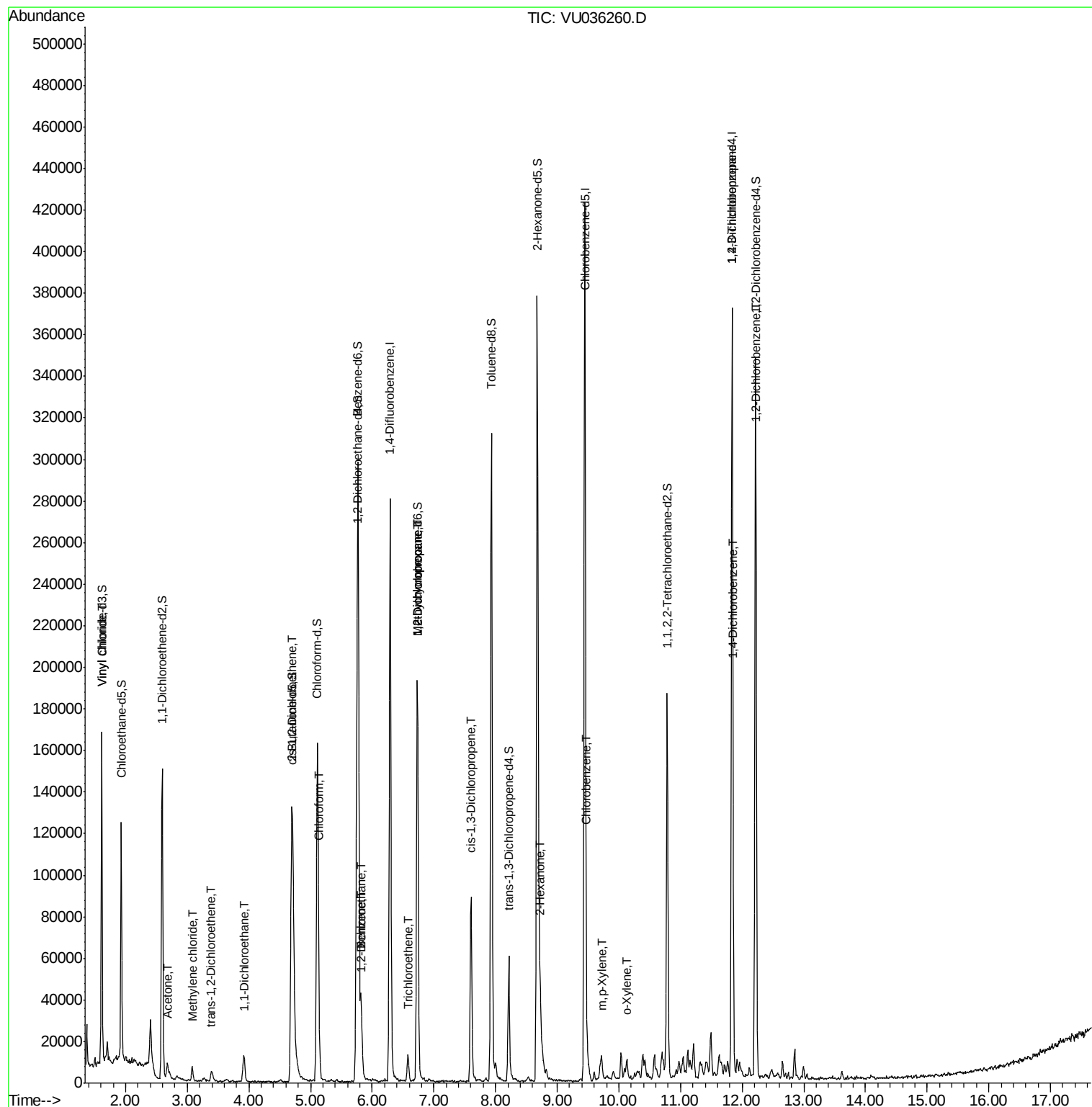
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
59) 1,2,3-Trichloropropane	11.84	75	12696	0.922	uq/L	89
63) 1,4-Dichlorobenzene	11.86	146	3439	0.096	uq/L	92
65) 1,2-Dichlorobenzene	12.23	146	4050	0.117	uq/L #	90

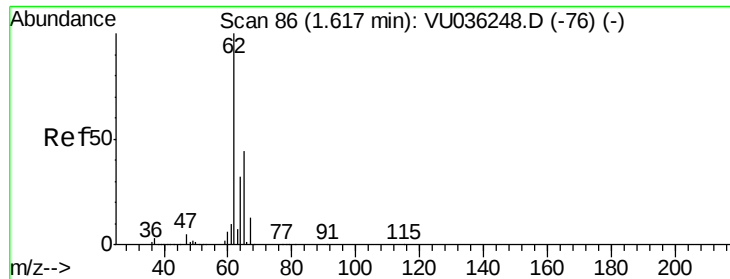
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU121719\
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QLast Update : Wed Dec 18 01:23:38 2019
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.813 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU036260.D

Acq: 17 Dec 2019 15:43

Instrument :

MSVOA_U

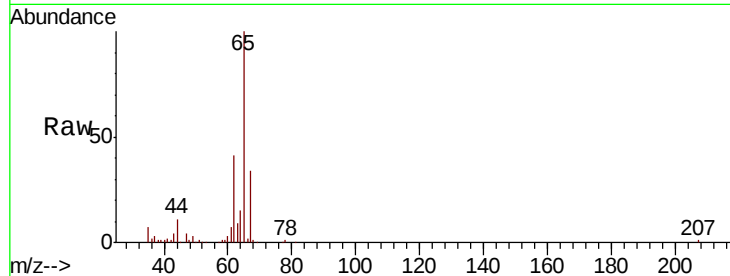
ClientSampleId :

Tot Ion: 62 Resp: 25280

Ion Ratio Lower Upper

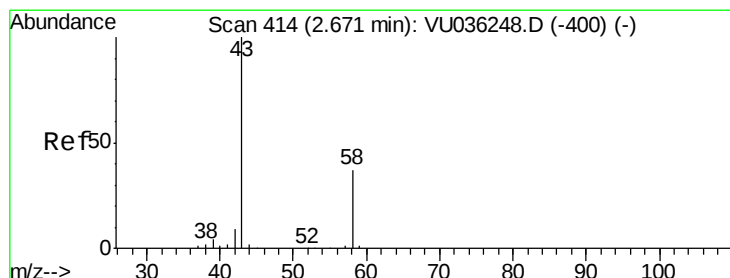
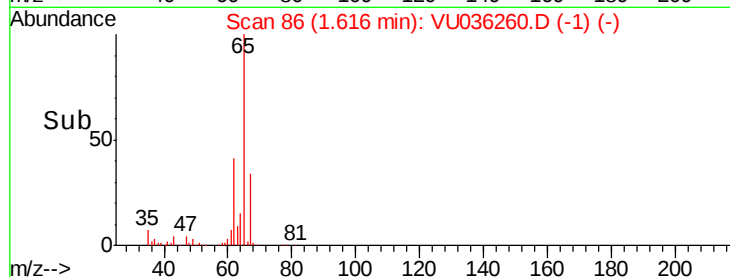
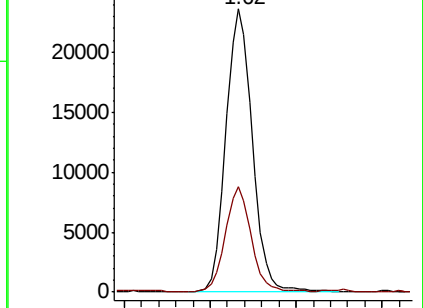
62 100

64 37.2 22.4 41.6



Abundance Ion 62.00 (61.70 to 62.70): VU036248.D (-76) (-)

Ion 64.10 (63.80 to 64.80): VU036248.D (-76) (-)



#13

Acetone

Concen: 3.740 ug/L

RT: 2.68 min Scan# 416

Delta R.T. 0.01 min

Lab File: VU036260.D

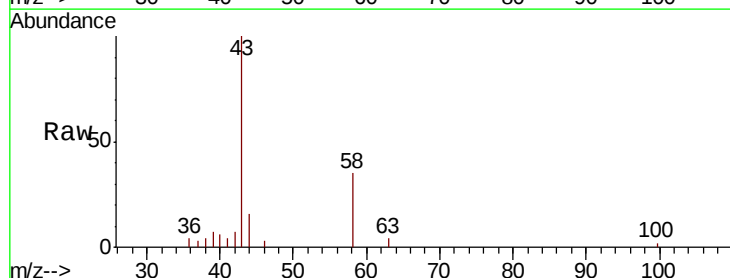
Acq: 17 Dec 2019 15:43

Tgt Ion: 43 Resp: 12591

Ion Ratio Lower Upper

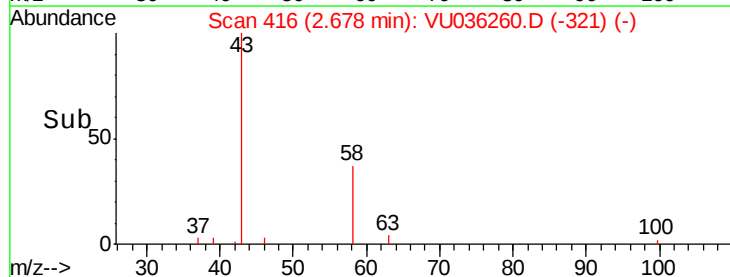
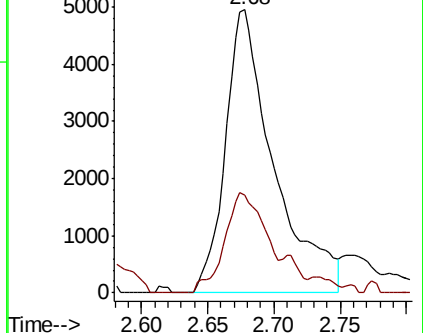
43 100

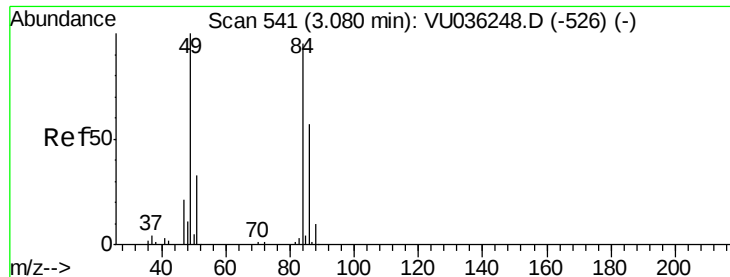
58 29.3 0.0 67.6



Abundance Ion 43.05 (42.75 to 43.75): VU036248.D (-400) (-)

Ion 58.05 (57.75 to 58.75): VU036248.D (-400) (-)

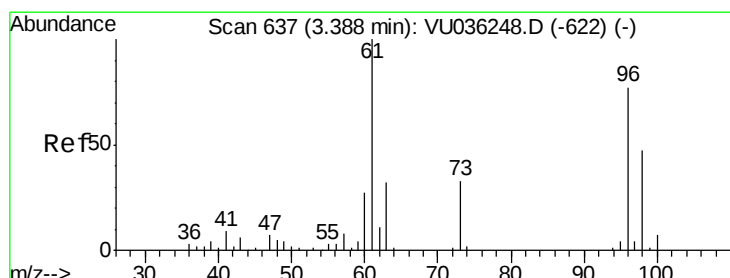
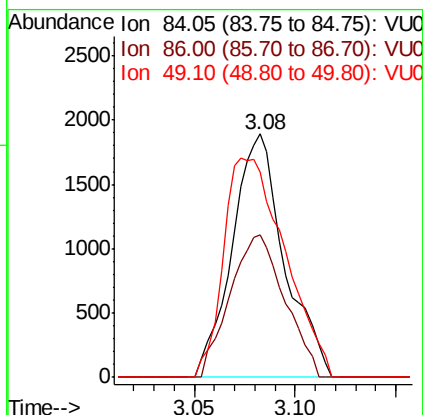
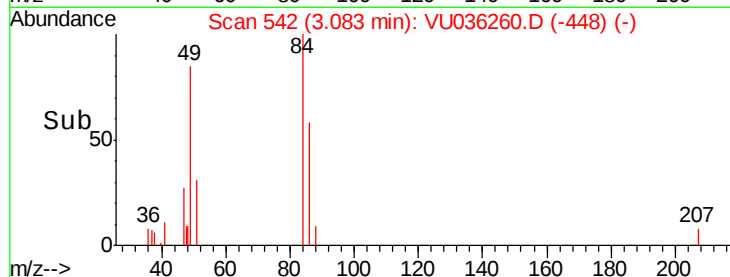
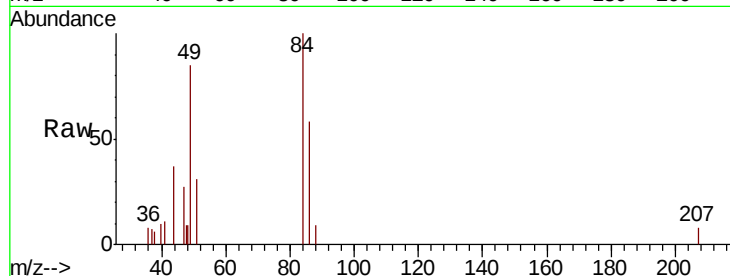




#16
Methvlene chloride
Concen: 0.134 ug/L
RT: 3.08 min Scan# 542
Delta R.T. 0.00 min
Lab File: VU036260.D
Acq: 17 Dec 2019 15:43

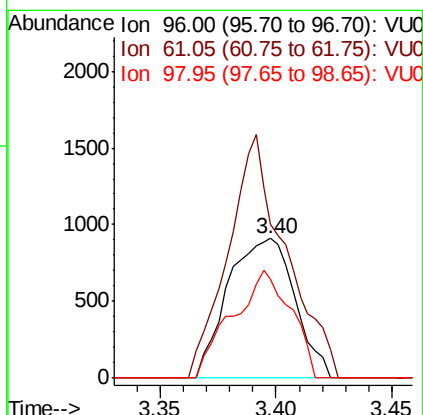
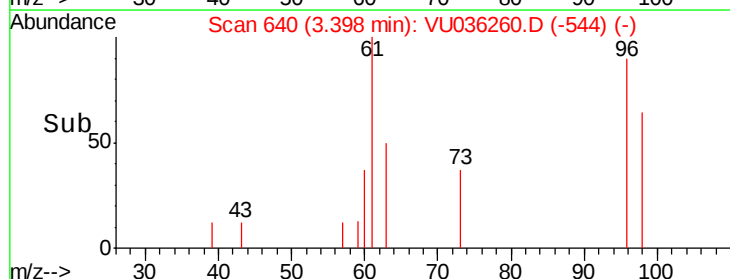
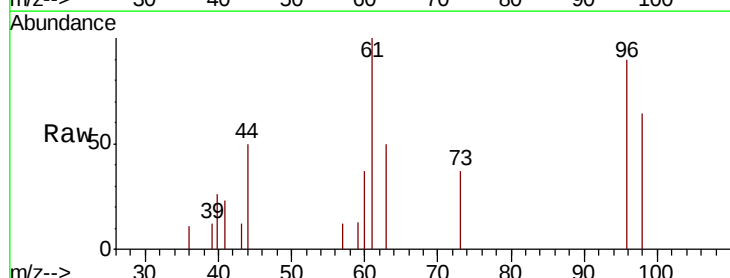
Instrument :
MSVOA_U
ClientSampled :

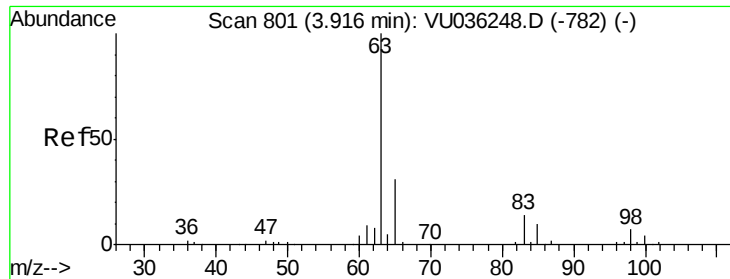
Tot Ion: 84 Resp: 3415
Ion Ratio Lower Upper
84 100
86 58.4 43.0 79.8
49 84.5 77.3 143.5



#18
trans-1,2-Dichloroethene
Concen: 0.100 ug/L
RT: 3.40 min Scan# 640
Delta R.T. 0.01 min
Lab File: VU036260.D
Acq: 17 Dec 2019 15:43

Tgt Ion: 96 Resp: 1818
Ion Ratio Lower Upper
96 100
61 110.5 94.8 176.2
98 70.8 46.8 86.8





#19

1,1-Dichloroethane

Concen: 0.434 ug/L

RT: 3.92 min Scan# 802

Delta R.T. 0.00 min

Lab File: VU036260.D

Acq: 17 Dec 2019 15:43

Instrument :

MSVOA_U

ClientSampleId :

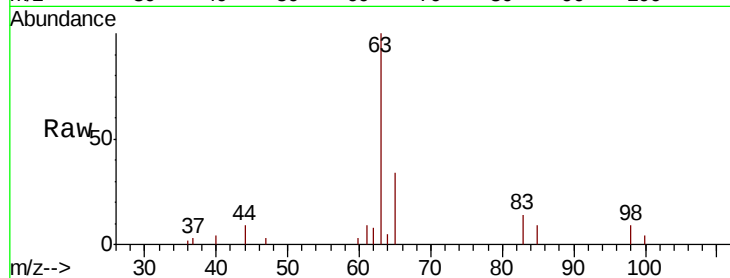
Tot Ion: 63 Resp: 14583

Ion Ratio Lower Upper

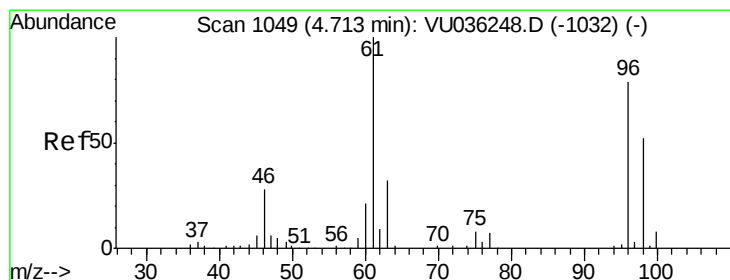
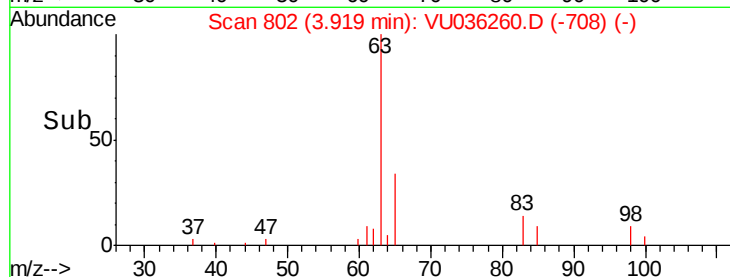
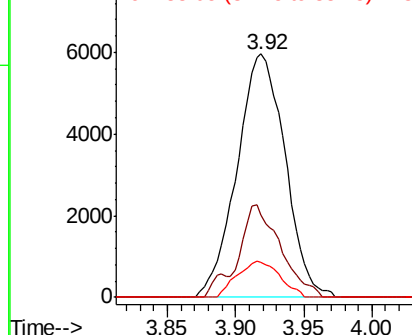
63 100

65 34.0 22.6 42.0

83 14.5 9.7 18.1



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 65.10 (64.80 to 65.80): VU0
Ion 83.05 (82.75 to 83.75): VU0



#22

cis-1,2-Dichloroethene

Concen: 1.375 ug/L

RT: 4.72 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VU036260.D

Acq: 17 Dec 2019 15:43

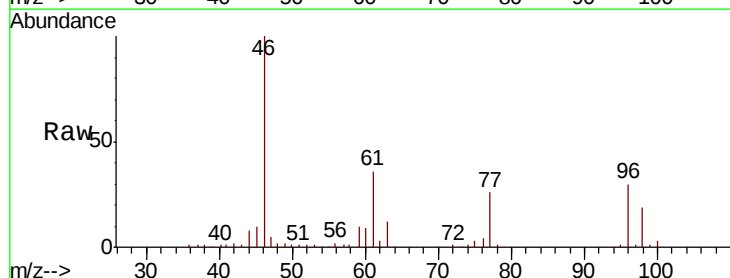
Tgt Ion: 96 Resp: 26828

Ion Ratio Lower Upper

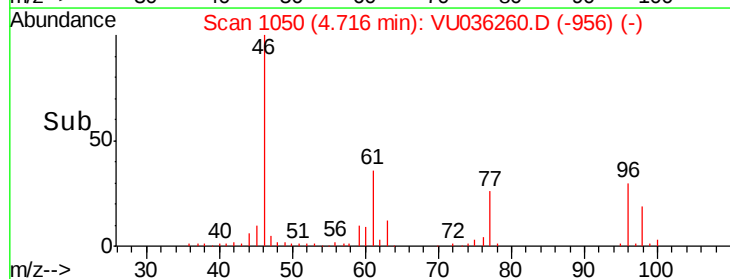
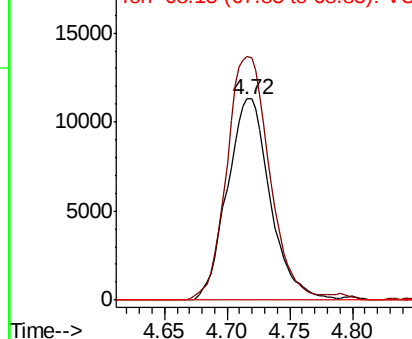
96 100

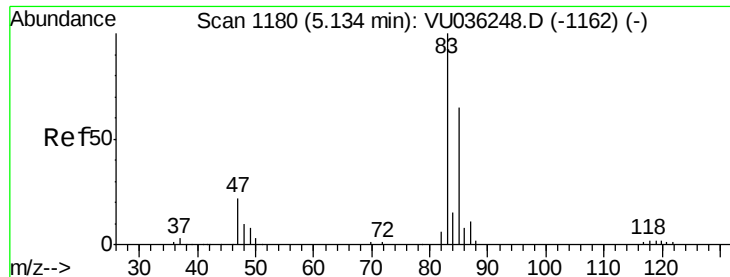
61 121.1 86.7 161.1

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 68.15 (67.85 to 68.85): VU0

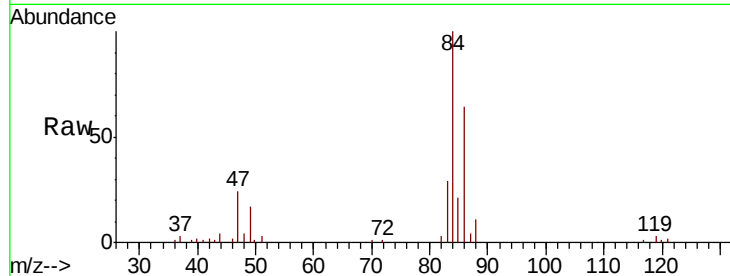




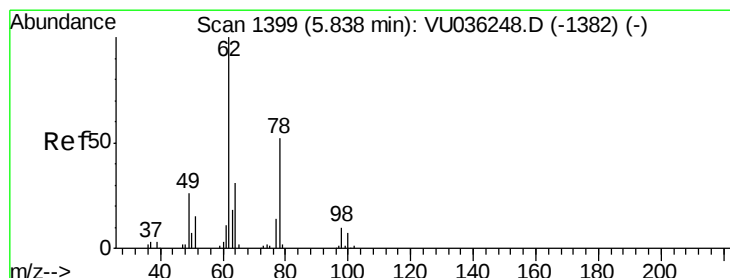
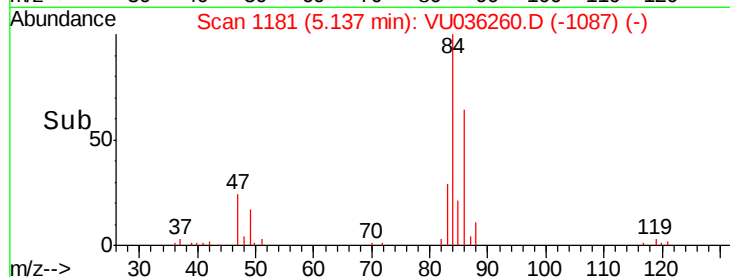
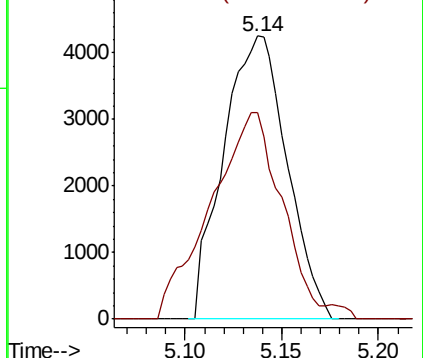
#25
Chloroform
Concen: 0.267 ug/L
RT: 5.14 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VU036260.D
Acq: 17 Dec 2019 15:43

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 83 Resp: 9708
Ion Ratio Lower Upper
83 100
85 72.9 47.5 88.1

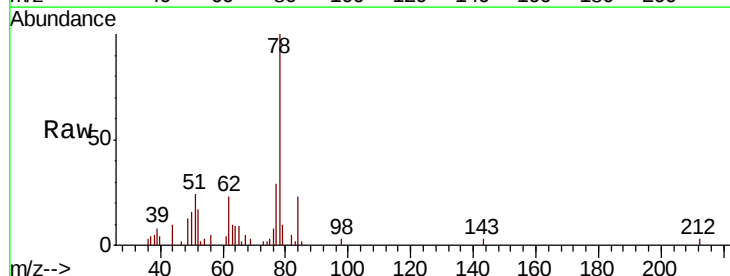


Abundance Ion 83.05 (82.75 to 83.75): VU036260.D (-1162) (-)
Ion 85.00 (84.70 to 85.70): VU036260.D (-1162) (-)

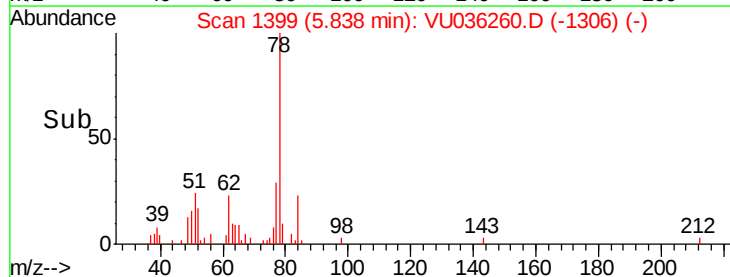
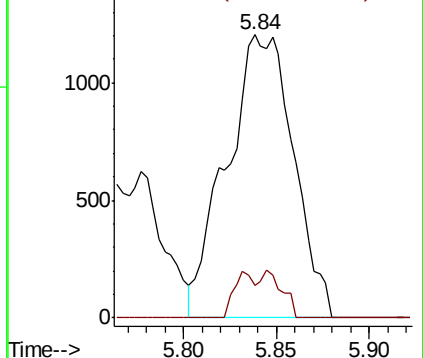


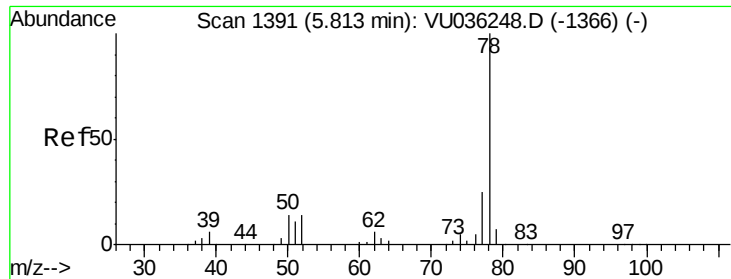
#27
1,2-Dichloroethane
Concen: 0.140 ug/L
RT: 5.84 min Scan# 1399
Delta R.T. -0.00 min
Lab File: VU036260.D
Acq: 17 Dec 2019 15:43

Tgt Ion: 62 Resp: 3010
Ion Ratio Lower Upper
62 100
98 11.4 7.3 10.9#



Abundance Ion 62.00 (61.70 to 62.70): VU036260.D (-1382) (-)
Ion 98.05 (97.75 to 98.75): VU036260.D (-1382) (-)

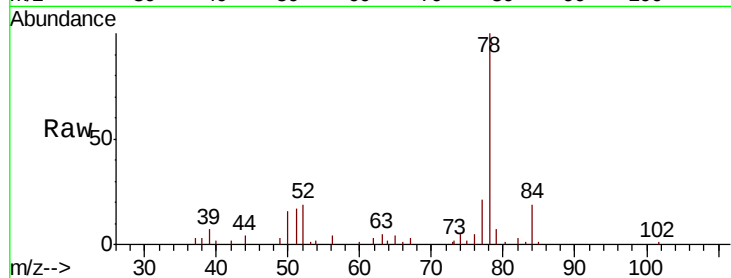




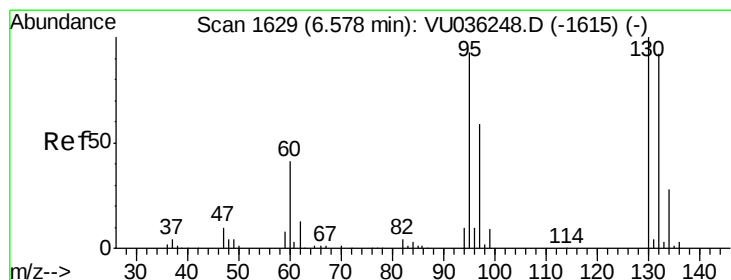
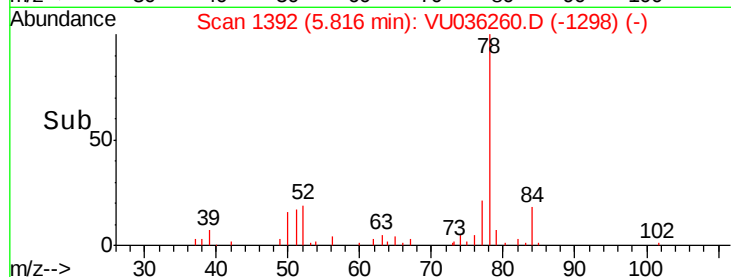
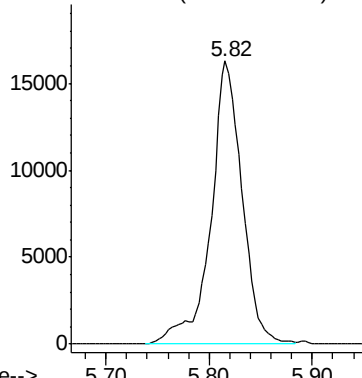
#33
Benzene
Concen: 0.421 ug/L
RT: 5.82 min Scan# 1392
Delta R.T. 0.00 min
Lab File: VU036260.D
Acq: 17 Dec 2019 15:43

Instrument :
MSVOA_U
ClientSampled :

Tgt Ion: 78 Resp: 34176

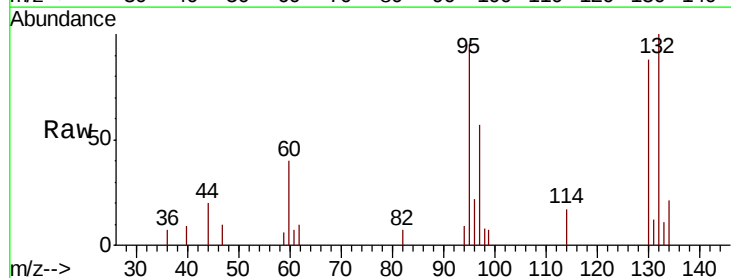


Abundance Ion 78.10 (77.80 to 78.80): VU0



#34
Trichloroethene
Concen: 0.188 ug/L
RT: 6.58 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VU036260.D
Acq: 17 Dec 2019 15:43

Tgt Ion: 95 Resp: 3946
Ion Ratio Lower Upper
95 100
97 59.5 43.6 81.0
132 104.8 69.6 129.2
130 92.2 70.3 130.7

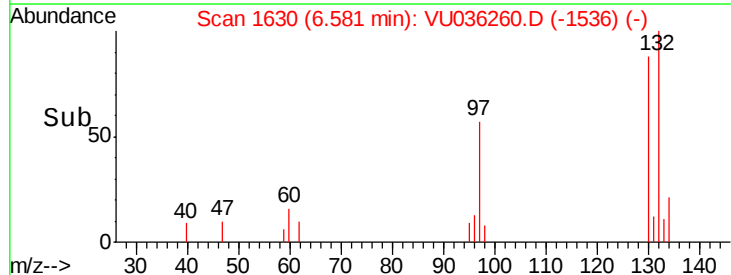
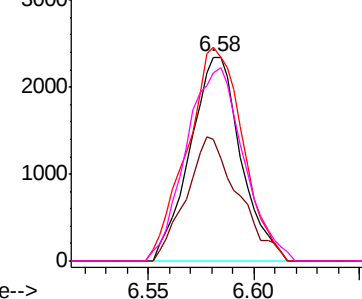


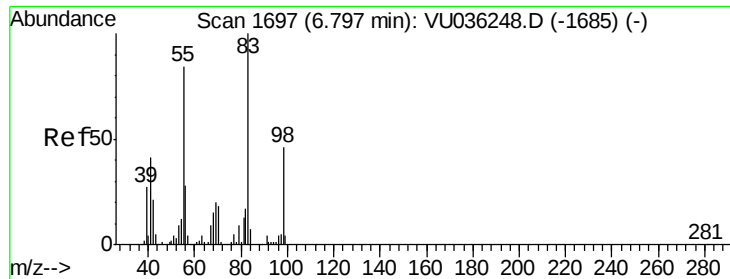
Abundance Ion 95.00 (94.70 to 95.70): VU0

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

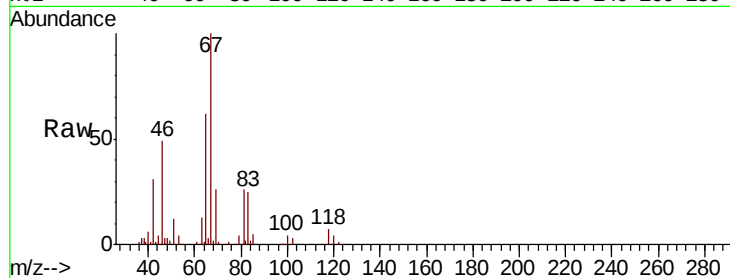




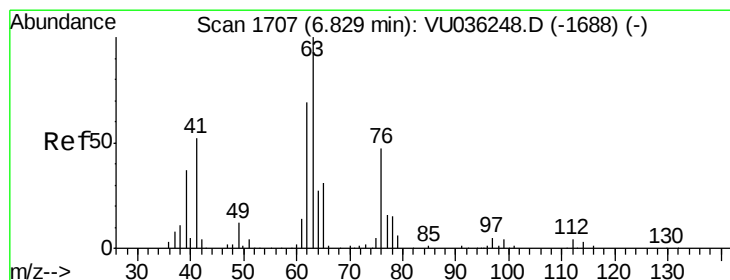
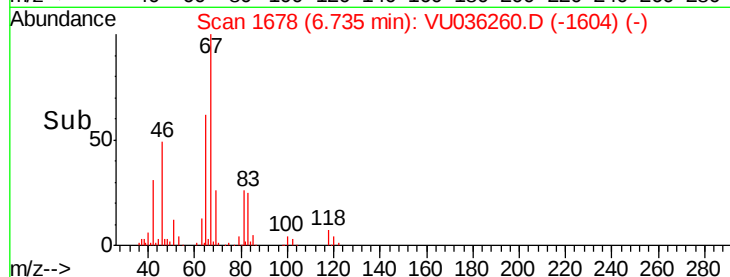
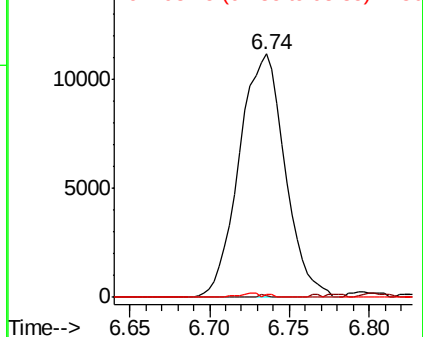
#35
Methvlcvclohexane
Concen: 0.735 ug/L
RT: 6.74 min Scan# 1678
Delta R.T. -0.06 min
Lab File: VU036260.D
Acq: 17 Dec 2019 15:43

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 83 Resp: 21871
Ion Ratio Lower Upper
83 100
55 0.2 62.6 94.0#
98 0.8 36.2 54.2#

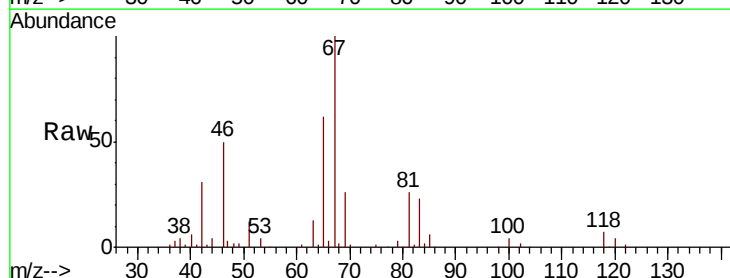


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

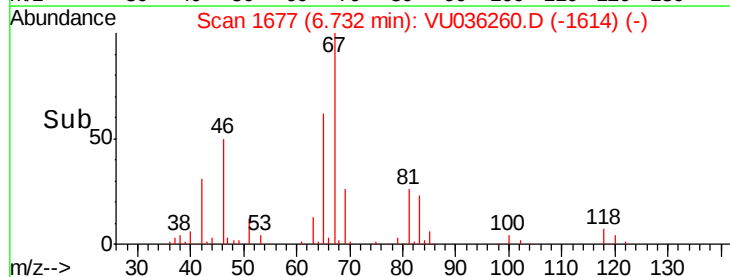
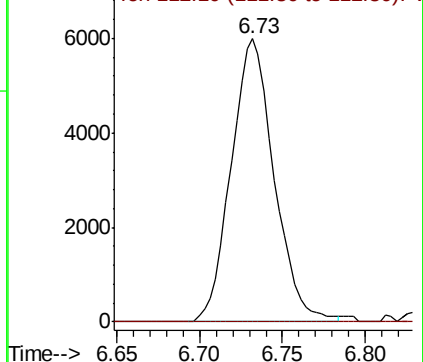


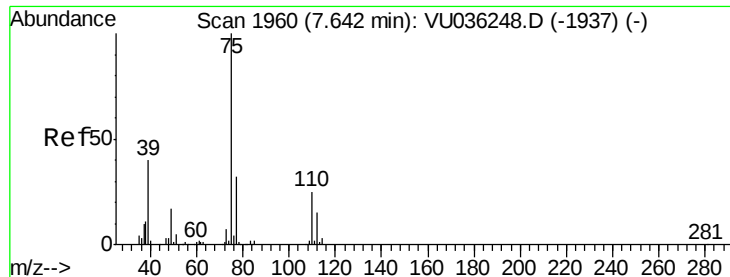
#37
1,2-Dichloropropane
Concen: 0.521 ug/L
RT: 6.73 min Scan# 1677
Delta R.T. -0.10 min
Lab File: VU036260.D
Acq: 17 Dec 2019 15:43

Tgt Ion: 63 Resp: 10797
Ion Ratio Lower Upper
63 100
112 0.5 3.8 5.8#



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



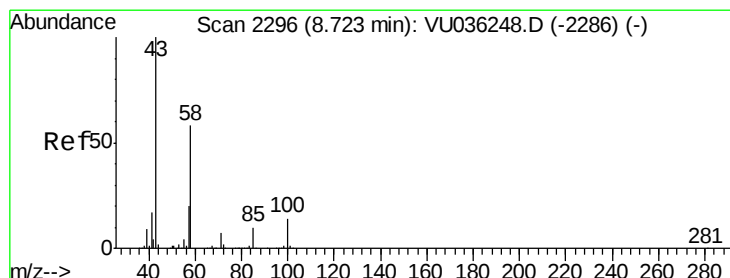
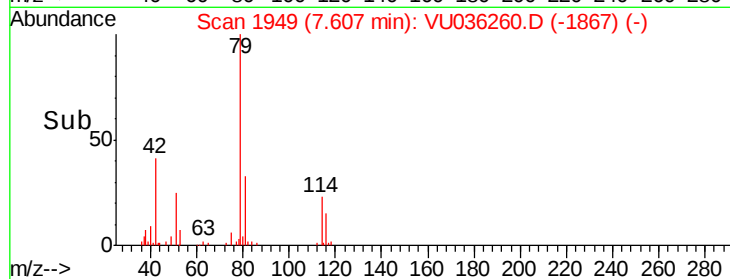
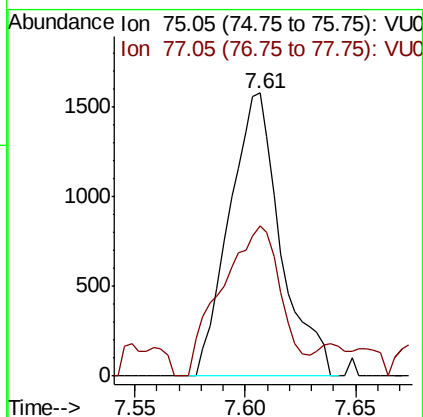
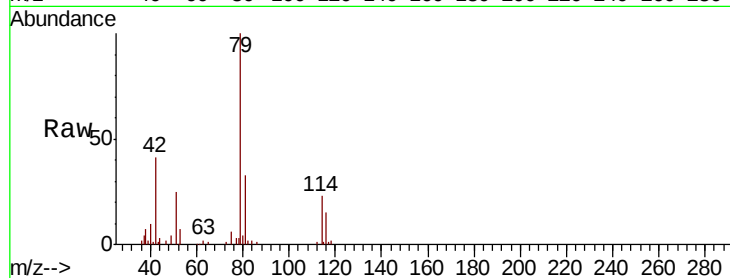


#39

cis-1,3-Dichloropropene
 Concen: 0.090 ug/L
 RT: 7.61 min Scan# 1949
 Delta R.T. -0.04 min
 Lab File: VU036260.D
 Acq: 17 Dec 2019 15:43

Instrument :
 MSVOA_U
 ClientSampleId :

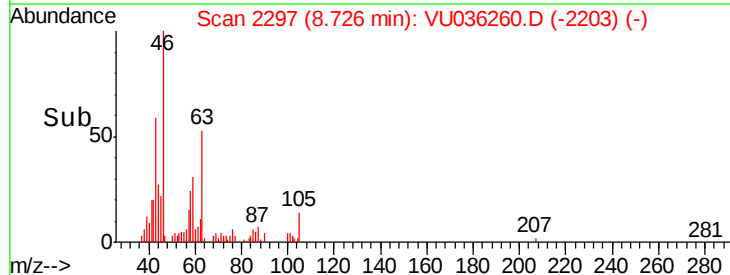
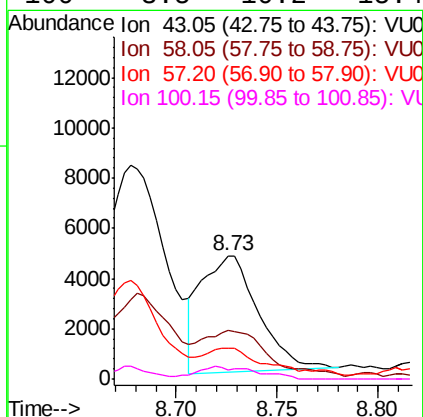
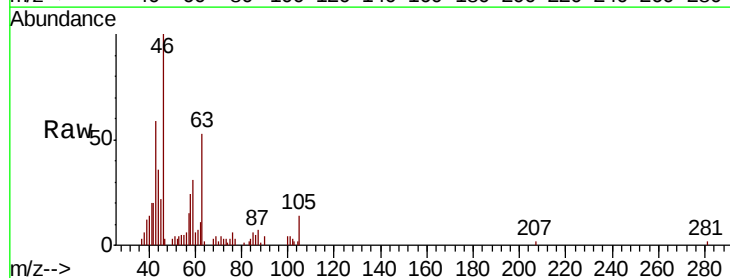
Tot Ion: 75 Resp: 2542
 Ion Ratio Lower Upper
 75 100
 77 53.3 22.7 42.1#

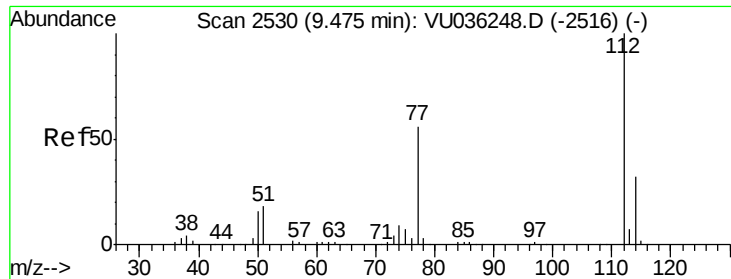


#48

2-Hexanone
 Concen: 1.127 ug/L
 RT: 8.73 min Scan# 2297
 Delta R.T. 0.00 min
 Lab File: VU036260.D
 Acq: 17 Dec 2019 15:43

Tgt Ion: 43 Resp: 9114
 Ion Ratio Lower Upper
 43 100
 58 51.6 46.2 69.2
 57 19.5 16.2 24.4
 100 3.5 10.2 15.4#

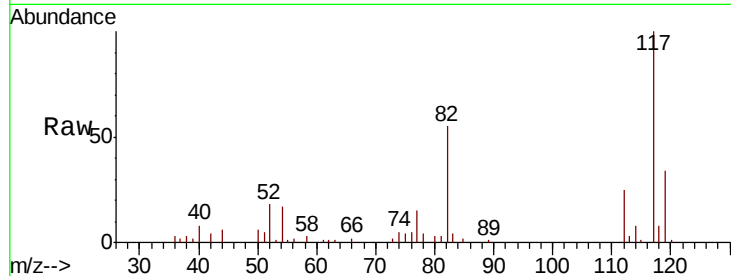




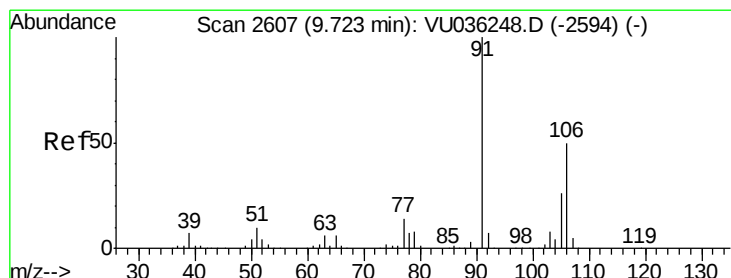
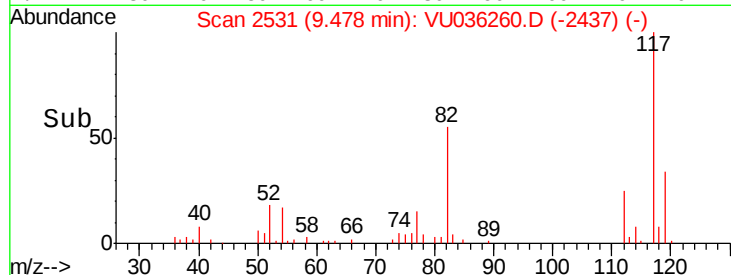
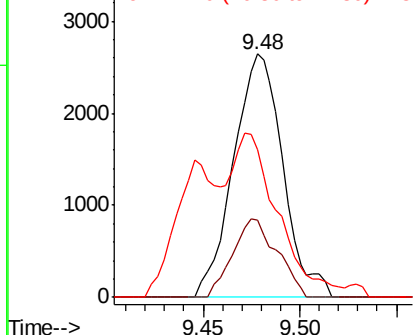
#51
Chlorobenzene
Concen: 0.082 ug/L
RT: 9.48 min Scan# 2531
Delta R.T. 0.00 min
Lab File: VU036260.D
Acq: 17 Dec 2019 15:43

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:112 Resp: 4687
Ion Ratio Lower Upper
112 100
114 31.6 23.2 43.2
77 60.4 46.5 69.7

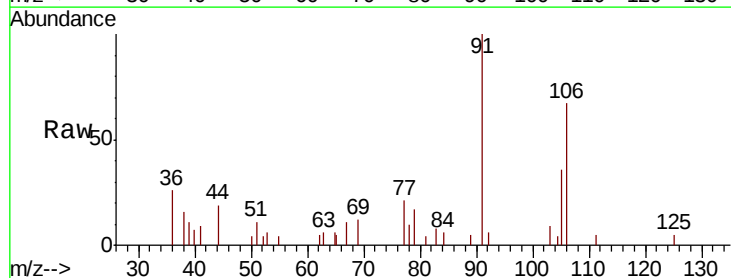


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): VU0

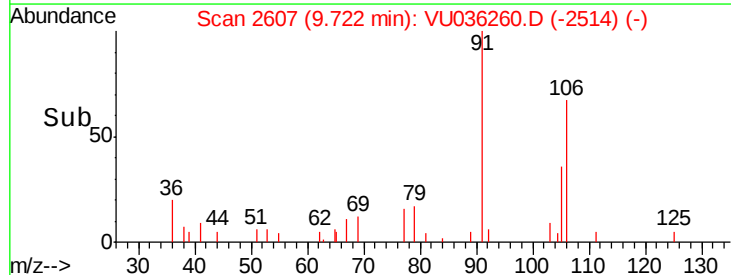
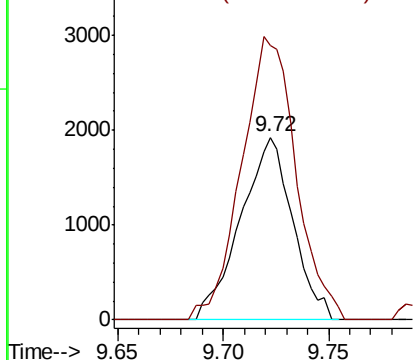


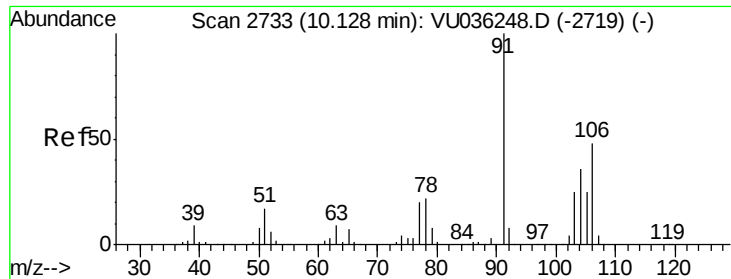
#53
m,p-Xylene
Concen: 0.098 ug/L
RT: 9.72 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VU036260.D
Acq: 17 Dec 2019 15:43

Tgt Ion:106 Resp: 3307
Ion Ratio Lower Upper
106 100
91 150.1 138.7 257.7



Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

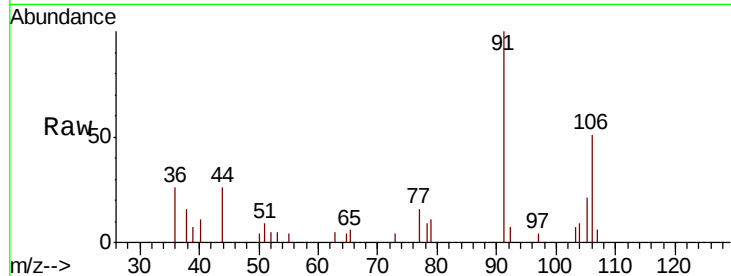




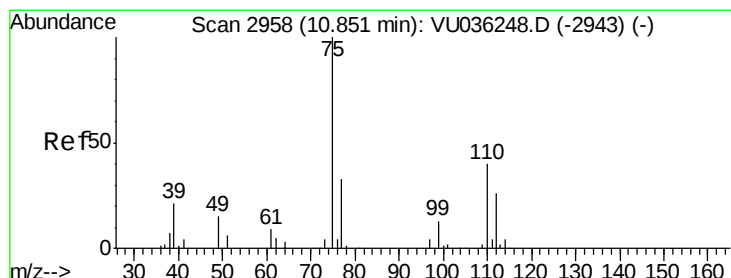
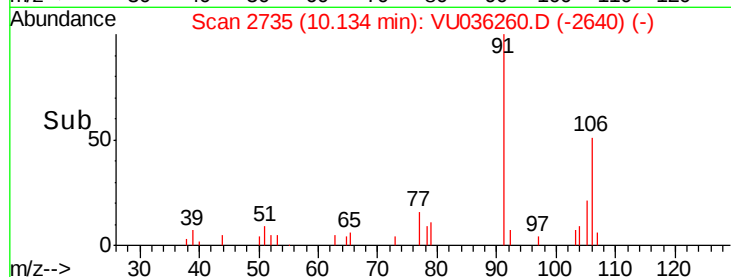
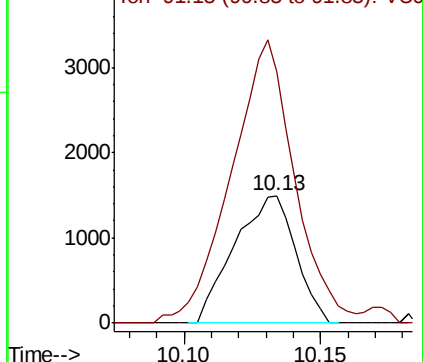
#54
o-Xylene
Concen: 0.072 ug/L
RT: 10.13 min Scan# 2735
Delta R.T. 0.01 min
Lab File: VU036260.D
Acq: 17 Dec 2019 15:43

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 2327
Ion Ratio Lower Upper
106 100
91 197.3 152.8 283.8

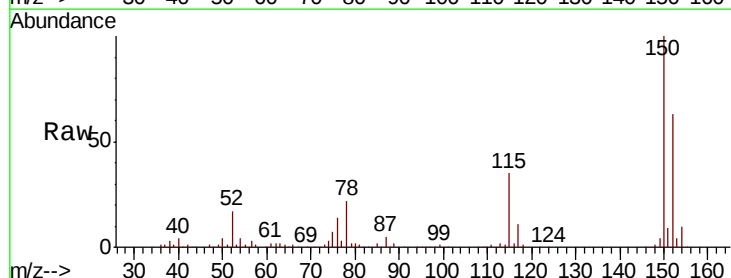


Abundance Ion 106.15 (105.85 to 106.85): VU036260.D (-2640) (-)
Ion 91.15 (90.85 to 91.85): VU036260.D (-2640) (-)

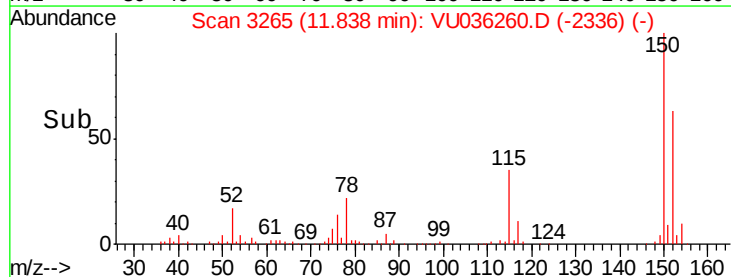
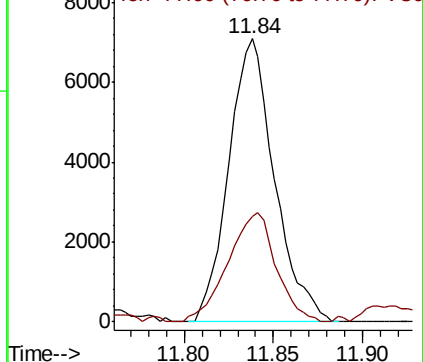


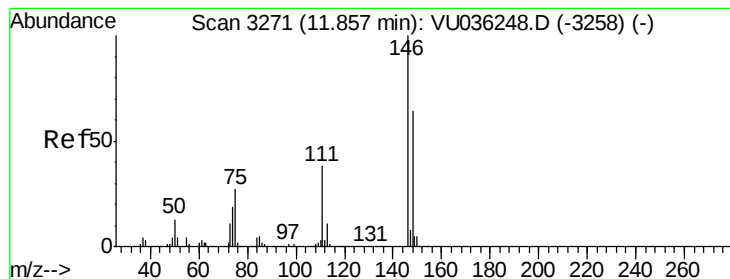
#59
1,2,3-Trichloropropane
Concen: 0.922 ug/L
RT: 11.84 min Scan# 3265
Delta R.T. 0.99 min
Lab File: VU036260.D
Acq: 17 Dec 2019 15:43

Tgt Ion: 75 Resp: 12696
Ion Ratio Lower Upper
75 100
77 40.4 27.2 40.8



Abundance Ion 75.00 (74.70 to 75.70): VU036260.D (-2336) (-)
Ion 77.00 (76.70 to 77.70): VU036260.D (-2336) (-)





#63

1,4-Dichlorobenzene

Concen: 0.096 ug/L

RT: 11.86 min Scan# 3272

Delta R.T. 0.00 min

Lab File: VU036260.D

Acq: 17 Dec 2019 15:43

Instrument :

MSVOA_U

ClientSampleId :

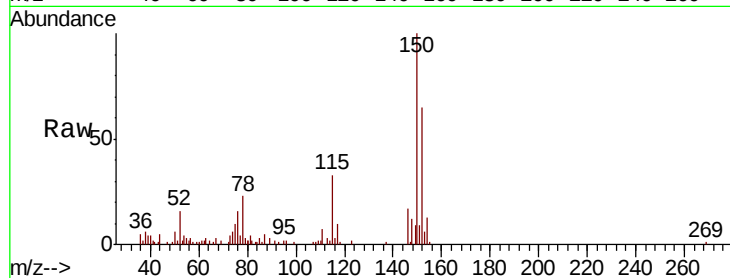
Tot Ion:146 Resp: 3439

Ion Ratio Lower Upper

146 100

111 39.7 25.8 48.0

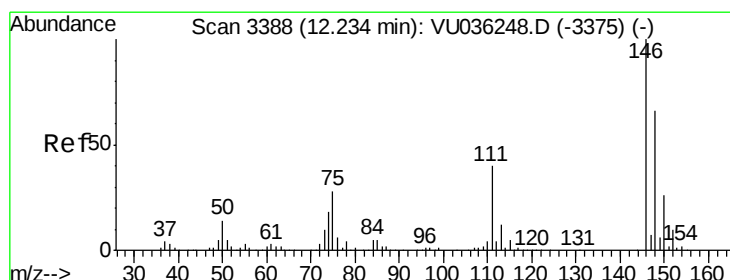
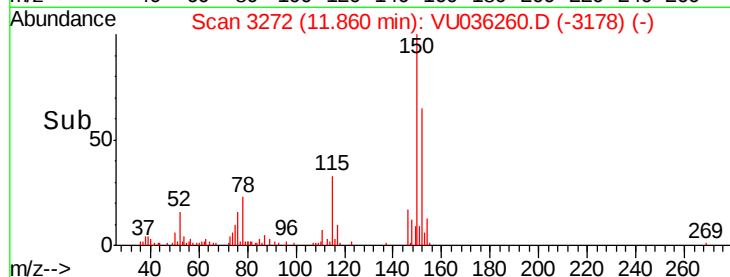
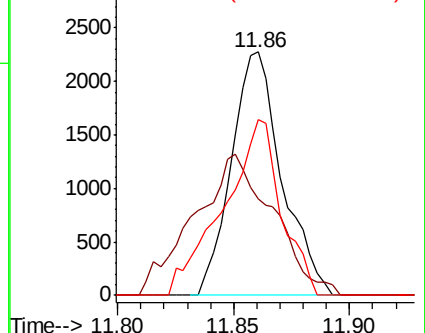
148 72.0 44.7 82.9



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#65

1,2-Dichlorobenzene

Concen: 0.117 ug/L

RT: 12.23 min Scan# 3388

Delta R.T. -0.00 min

Lab File: VU036260.D

Acq: 17 Dec 2019 15:43

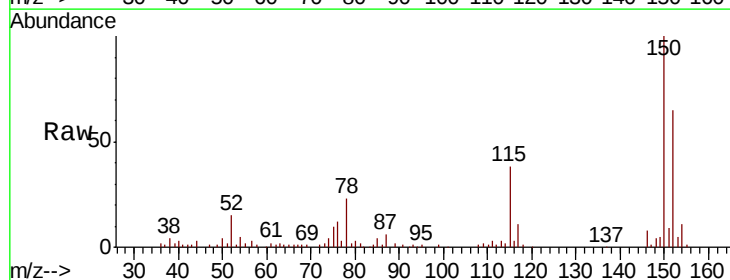
Tgt Ion:146 Resp: 4050

Ion Ratio Lower Upper

146 100

111 40.9 32.5 48.7

148 48.7 49.2 73.8#



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

