

Data File : VU034853.D
Acq On : 26 Sep 2019 19:38
Operator : JC/SP
Sample : K5044-01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
CWK33

Quant Time: Sep 27 05:14:27 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR091819WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Sep 27 05:10:18 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	97492	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	92442	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	42251	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	34101	4.40	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.00%
7) Chloroethane-d5	1.67	69	28888	4.59	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.80%
11) 1,1-Dichloroethene-d2	2.26	63	52337	3.82	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	76.40%
20) 2-Butanone-d5	4.17	46	92730	48.63	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.26%
24) Chloroform-d	4.62	84	51768	4.38	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.60%
26) 1,2-Dichloroethane-d4	5.29	65	29302	4.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.00%
32) Benzene-d6	5.32	84	112465	4.57	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.40%
36) 1,2-Dichloropropane-d6	6.31	67	38322	4.62	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.40%
41) Toluene-d8	7.54	98	103079	4.43	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.60%
43) trans-1,3-Dichloropropene-	7.83	79	13495	4.02	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	80.40%
46) 2-Hexanone-d5	8.30	63	65617	43.90	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	87.80%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	27391	4.25	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	85.00%
64) 1,2-Dichlorobenzene-d4	11.84	152	34875	4.79	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.80%

Target Compounds

					Qvalue
3) Chloromethane	1.32	50	3971	0.570 ug/L	95
5) Vinyl chloride	1.40	62	2396	0.329 ug/L	86
8) Chloroethane	1.69	64	774	0.182 ug/L	86
12) 1,1-Dichloroethene	2.27	96	1464	0.304 ug/L #	1
13) Acetone	2.31	43	3254	2.209 ug/L	92
18) trans-1,2-Dichloroethene	2.96	96	1498	0.300 ug/L	76
22) cis-1,2-Dichloroethene	4.20	96	157391	23.548 ug/L	95
33) Benzene	5.37	78	3627	0.145 ug/L	100
34) Trichloroethene	6.16	95	1505014	241.554 ug/L	98
35) Methylcyclohexane	6.31	83	7565	0.752 ug/L #	17
37) 1,2-Dichloropropane	6.31	63	4170	0.540 ug/L #	92
42) Toluene	7.61	91	296047	10.960 ug/L	98
47) Tetrachloroethene	8.21	164	17906	4.741 ug/L	94
48) 2-Hexanone	8.30	43	10467	2.678 ug/L #	65
49) Dibromochloromethane	8.21	129	17503	3.040 ug/L #	12
51) Chlorobenzene	9.10	112	13106	0.774 ug/L	96
53) m,p-Xylene	9.36	106	1129	0.102 ug/L	89

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092719\
Quantitation Report (Not Reviewed)

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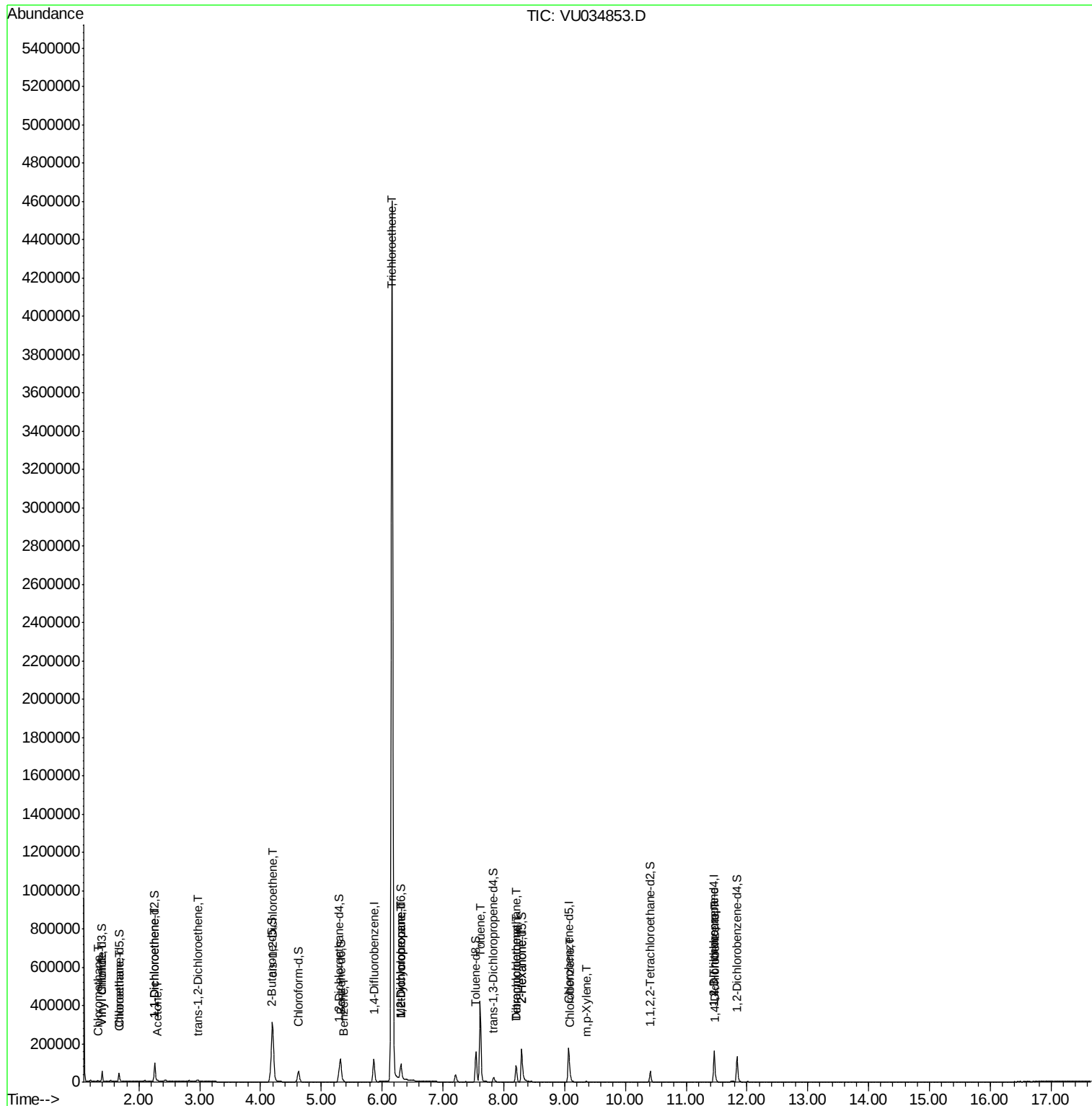
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
59) 1,2,3-Trichloropropane	11.46	75	6869	1.363	ug/L	98
63) 1,4-Dichlorobenzene	11.49	146	2167	0.175	ug/L	95

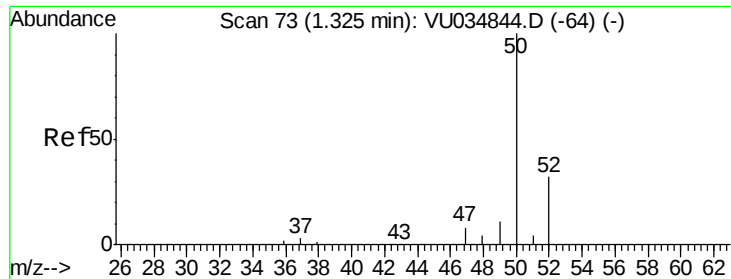
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#3

Chloromethane

Concen: 0.570 ug/L

RT: 1.32 min Scan# 73

Delta R.T. -0.00 min

Lab File: VU034853.D

Acq: 26 Sep 2019 19:38

Instrument :

MSVOA_U

ClientSampleId :

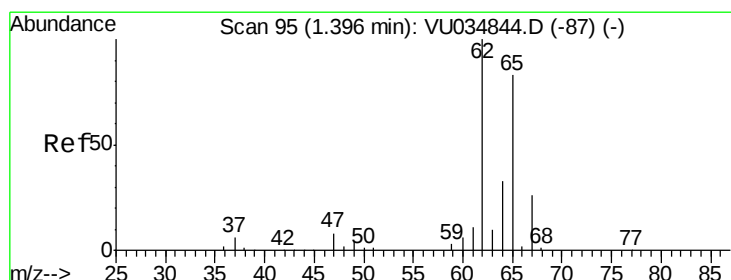
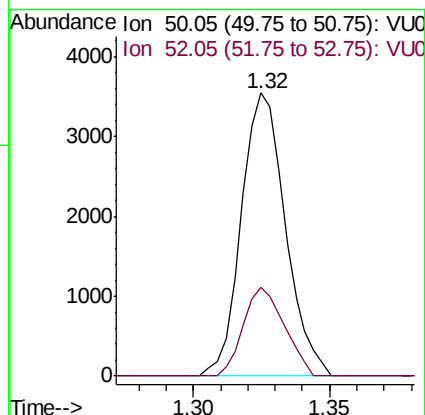
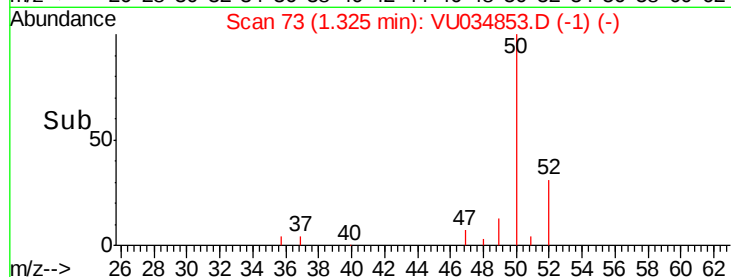
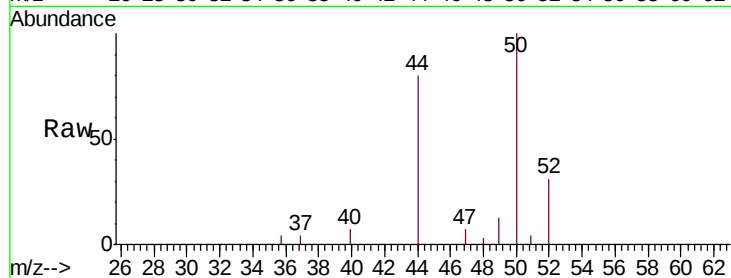
CWK33

Tgt Ion: 50 Resp: 3971

Ion Ratio Lower Upper

50 100

52 31.3 23.9 44.3



#5

Vinyl chloride

Concen: 0.329 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU034853.D

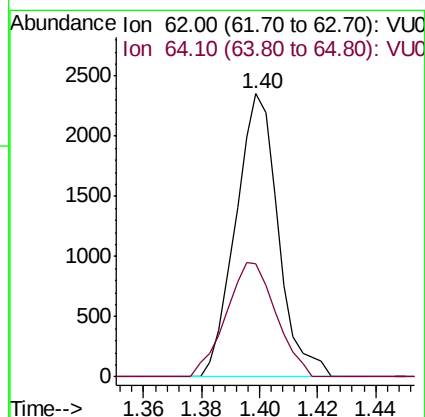
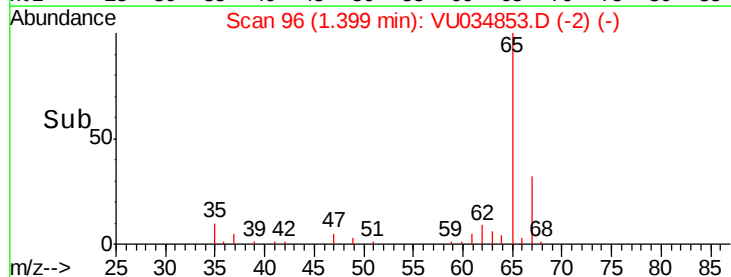
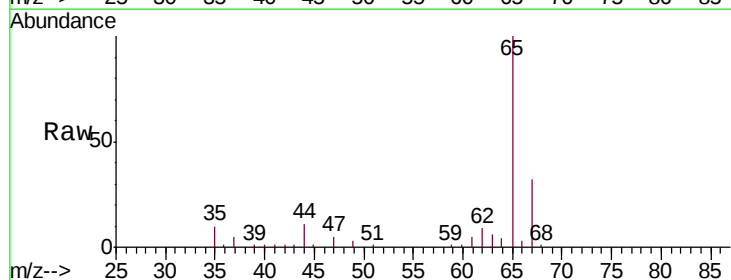
Acq: 26 Sep 2019 19:38

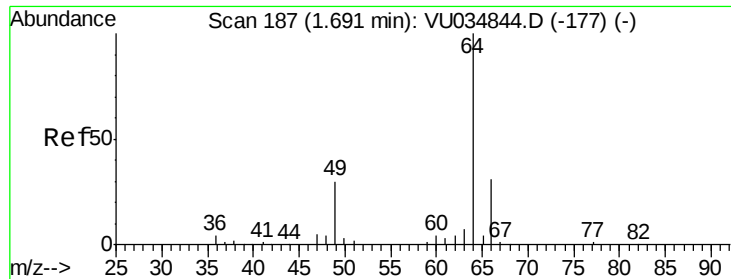
Tgt Ion: 62 Resp: 2396

Ion Ratio Lower Upper

62 100

64 40.0 22.7 42.1

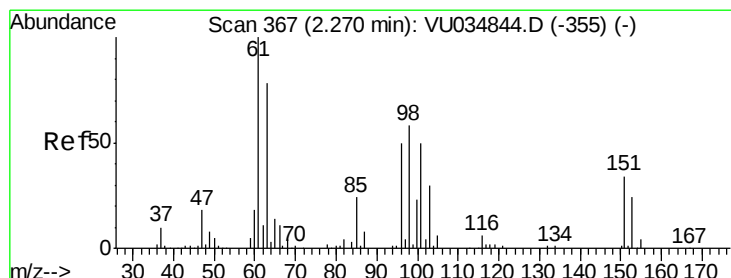
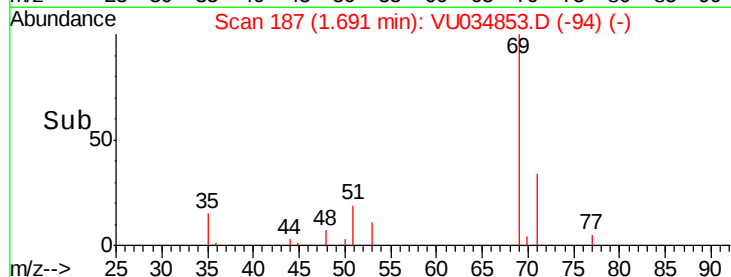
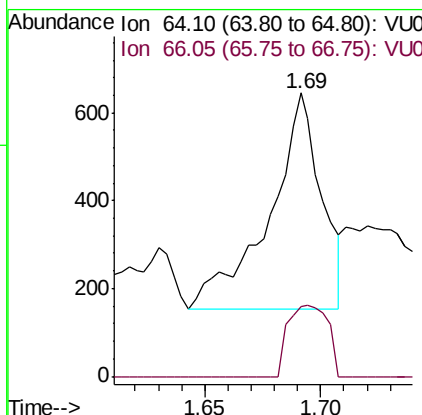
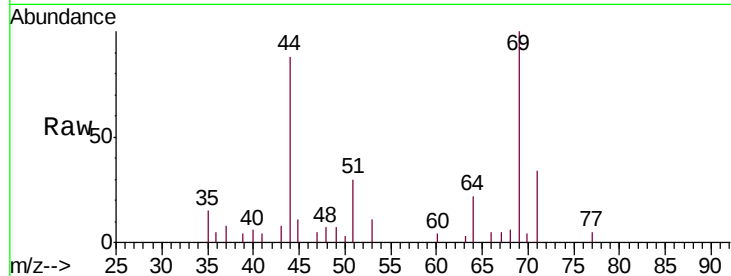




#8
 Chloroethane
 Concen: 0.182 ug/L
 RT: 1.69 min Scan# 187
 Delta R.T. -0.00 min
 Lab File: VU034853.D
 Acq: 26 Sep 2019 19:38

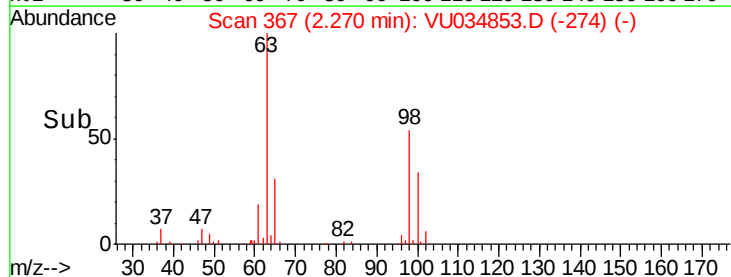
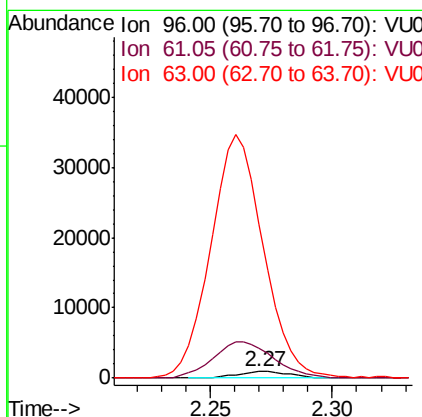
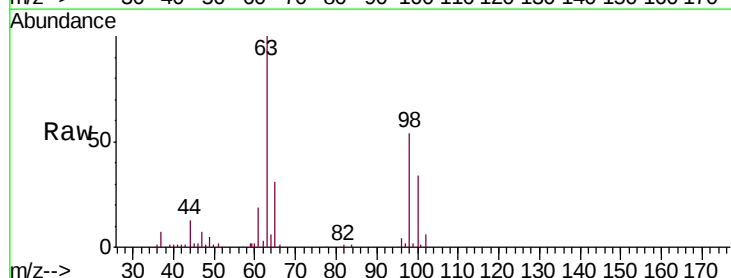
Instrument :
 MSVOA_U
 ClientSampled :
 CWK33

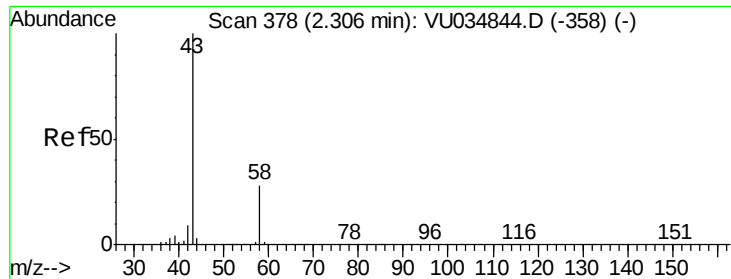
Tgt Ion: 64 Resp: 774
 Ion Ratio Lower Upper
 64 100
 66 24.7 22.6 42.0



#12
 1,1-Dichloroethene
 Concen: 0.304 ug/L
 RT: 2.27 min Scan# 367
 Delta R.T. -0.00 min
 Lab File: VU034853.D
 Acq: 26 Sep 2019 19:38

Tgt Ion: 96 Resp: 1464
 Ion Ratio Lower Upper
 96 100
 61 461.4 144.4 268.2#
 63 2402.6 111.5 207.1#





#13

Acetone

Concen: 2.209 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VU034853.D

Acq: 26 Sep 2019 19:38

Instrument :

MSVOA_U

ClientSampleId :

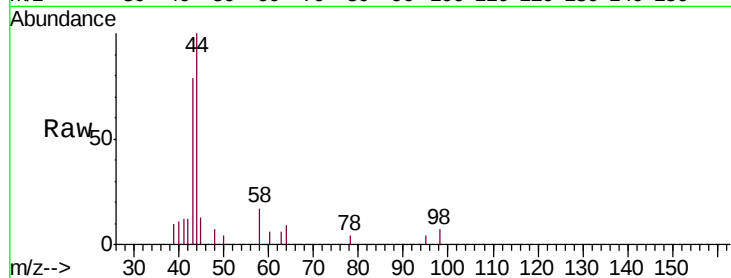
CWK33

Tgt Ion: 43 Resp: 3254

Ion Ratio Lower Upper

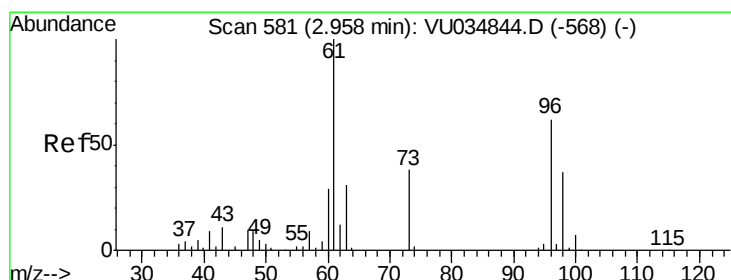
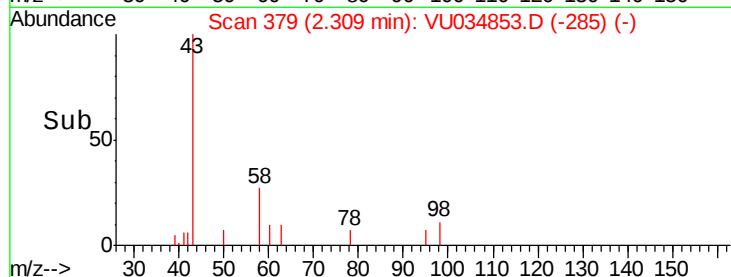
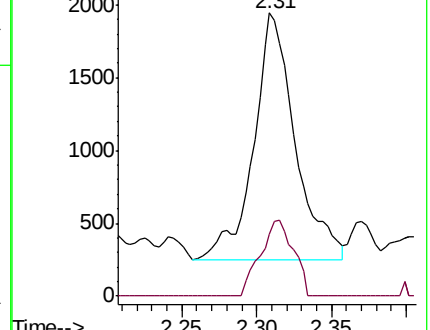
43 100

58 24.6 0.0 57.8



Abundance Ion 43.05 (42.75 to 43.75): VU034844.D (-358) (-)

Ion 58.05 (57.75 to 58.75): VU034844.D (-358) (-)



#18

trans-1,2-Dichloroethene

Concen: 0.300 ug/L

RT: 2.96 min Scan# 582

Delta R.T. 0.00 min

Lab File: VU034853.D

Acq: 26 Sep 2019 19:38

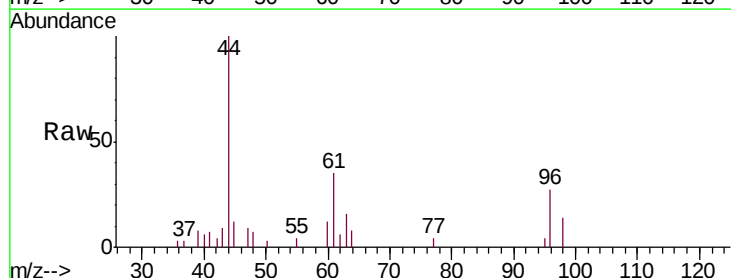
Tgt Ion: 96 Resp: 1498

Ion Ratio Lower Upper

96 100

61 132.0 118.2 219.6

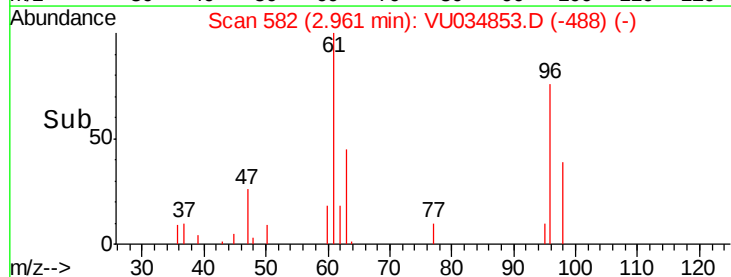
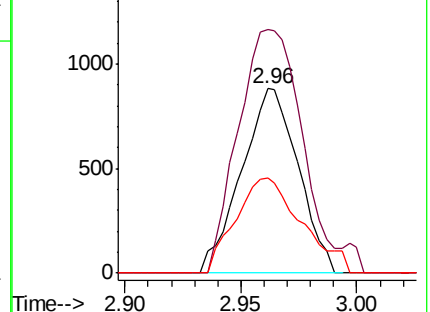
98 51.7 44.8 83.2

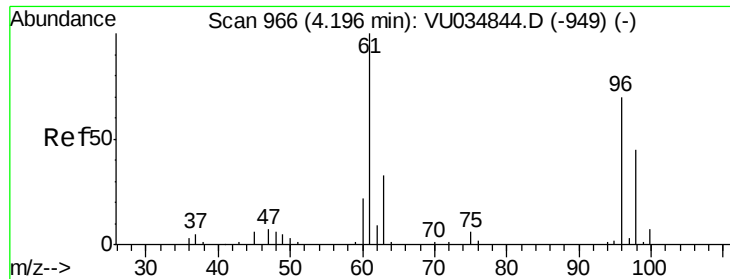


Abundance Ion 96.00 (95.70 to 96.70): VU034844.D (-568) (-)

Ion 61.05 (60.75 to 61.75): VU034844.D (-568) (-)

Ion 97.95 (97.65 to 98.65): VU034844.D (-568) (-)



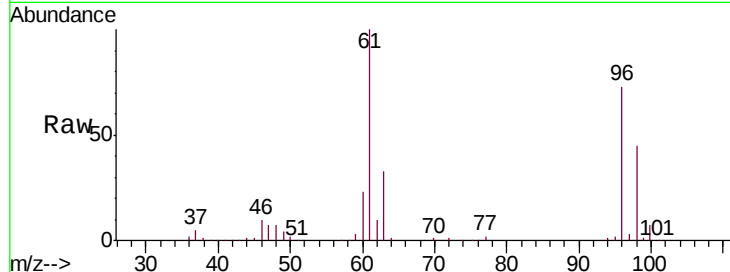


#22

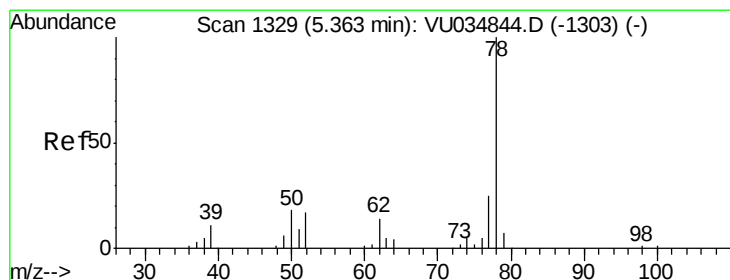
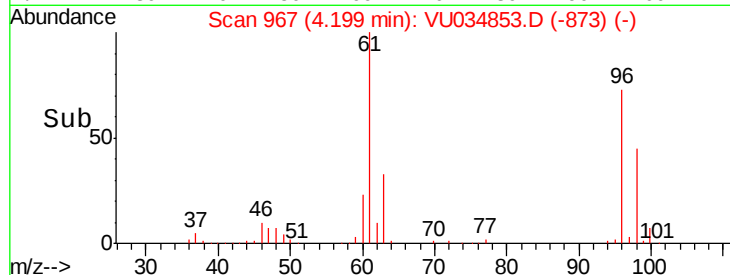
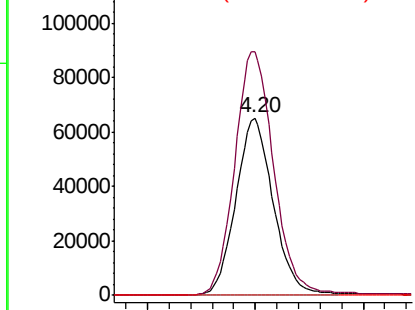
cis-1,2-Dichloroethene
Concen: 23.548 ug/L
RT: 4.20 min Scan# 967
Delta R.T. 0.00 min
Lab File: VU034853.D
Acq: 26 Sep 2019 19:38

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Tgt Ion: 96 Resp: 157391
Ion Ratio Lower Upper
96 100
61 137.0 100.0 185.8
68 0.0 0.0 0.0



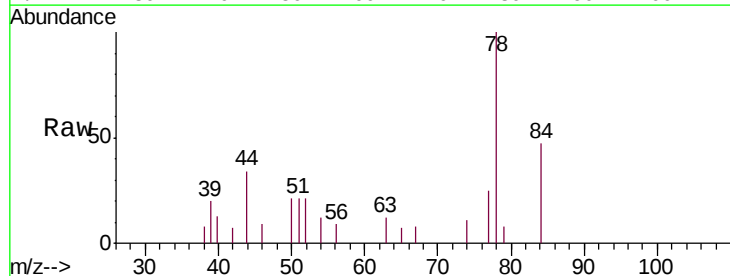
Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 68.15 (67.85 to 68.85): VU0



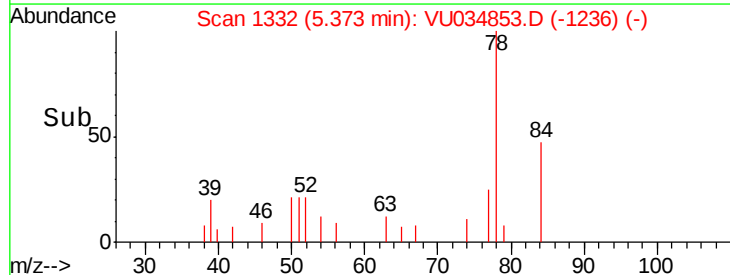
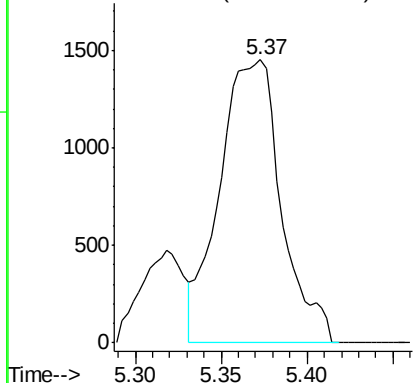
#33

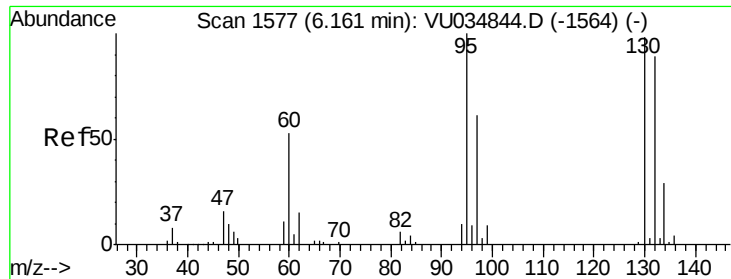
Benzene
Concen: 0.145 ug/L
RT: 5.37 min Scan# 1332
Delta R.T. 0.01 min
Lab File: VU034853.D
Acq: 26 Sep 2019 19:38

Tgt Ion: 78 Resp: 3627



Abundance Ion 78.10 (77.80 to 78.80): VU0

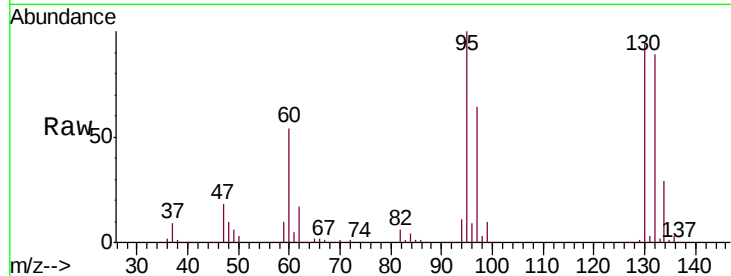




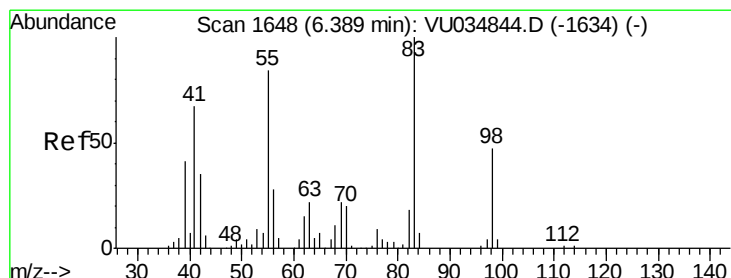
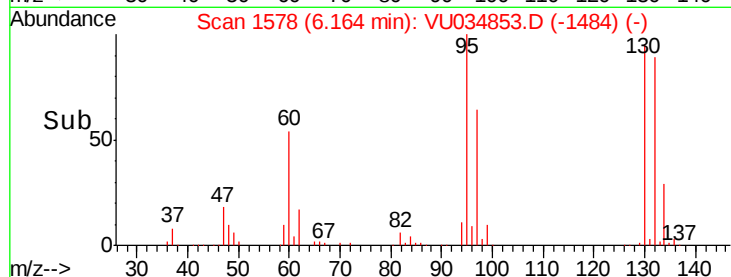
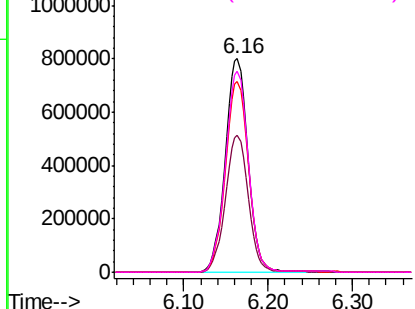
#34
 Trichloroethene
 Concen: 241.554 ug/L
 RT: 6.16 min Scan# 1578
 Delta R.T. 0.00 min
 Lab File: VU034853.D
 Acq: 26 Sep 2019 19:38

Instrument :
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 CWK33

Tgt Ion: 95 Resp: 1505014
 Ion Ratio Lower Upper
 95 100
 97 64.3 45.2 84.0
 132 89.3 60.9 113.1
 130 94.4 64.3 119.3

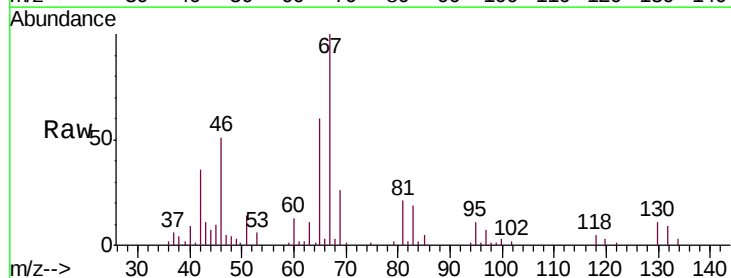


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

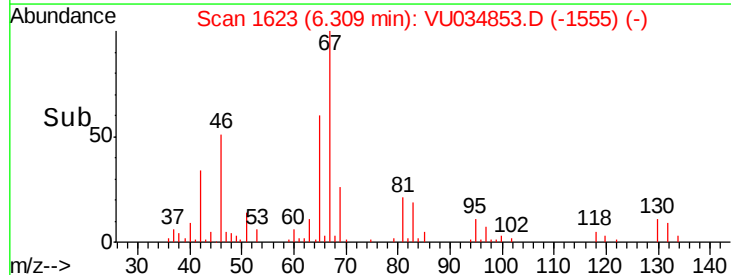
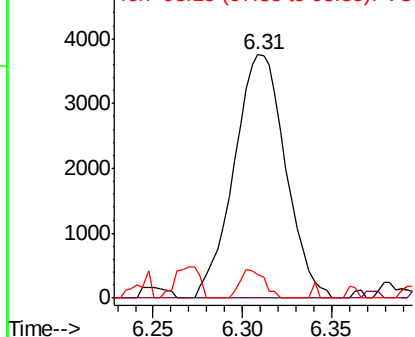


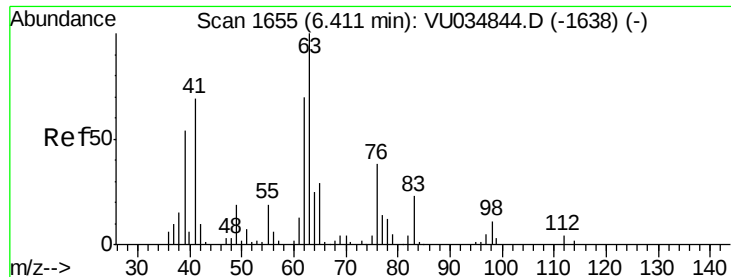
#35
 Methylcyclohexane
 Concen: 0.752 ug/L
 RT: 6.31 min Scan# 1623
 Delta R.T. -0.08 min
 Lab File: VU034853.D
 Acq: 26 Sep 2019 19:38

Tgt Ion: 83 Resp: 7565
 Ion Ratio Lower Upper
 83 100
 55 0.8 66.8 100.2#
 98 0.0 35.4 53.0#



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: 0.540 ug/L

RT: 6.31 min Scan# 1623

Delta R.T. -0.10 min

Lab File: VU034853.D

Acq: 26 Sep 2019 19:38

Instrument :

MSVOA_U

ClientSampled :

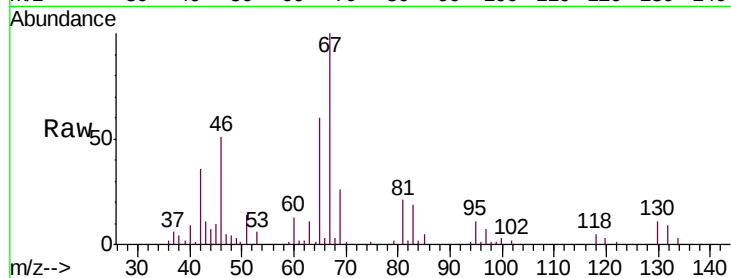
CWK33

Tgt Ion: 63 Resp: 4170

Ion Ratio Lower Upper

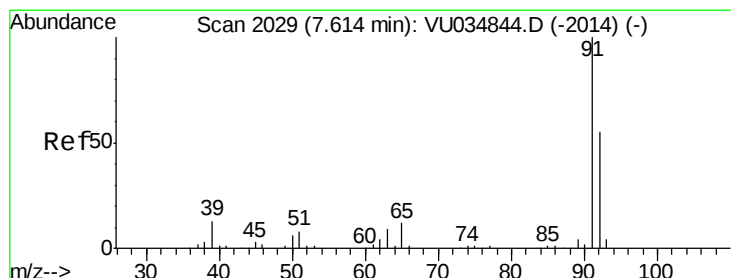
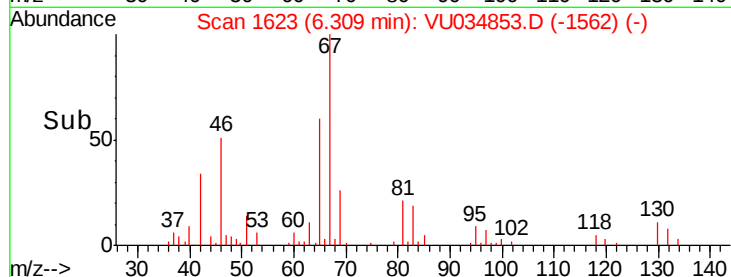
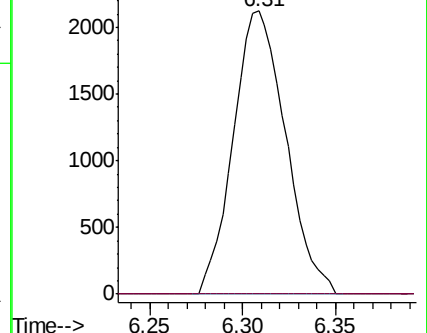
63 100

112 0.0 2.2 3.2#



Abundance Ion 63.10 (62.80 to 63.80): VU034844.D (-1638) (-)

Ion 112.10 (111.80 to 112.80): VU034844.D (-1638) (-)



#42

Toluene

Concen: 10.960 ug/L

RT: 7.61 min Scan# 2029

Delta R.T. -0.00 min

Lab File: VU034853.D

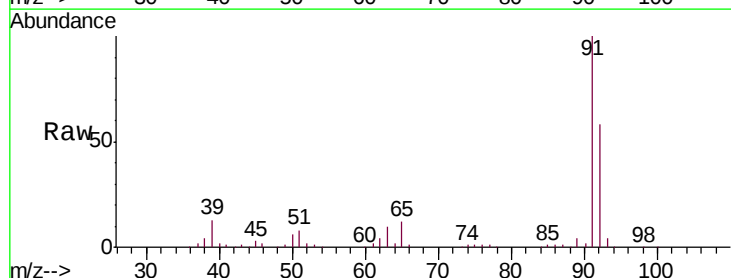
Acq: 26 Sep 2019 19:38

Tgt Ion: 91 Resp: 296047

Ion Ratio Lower Upper

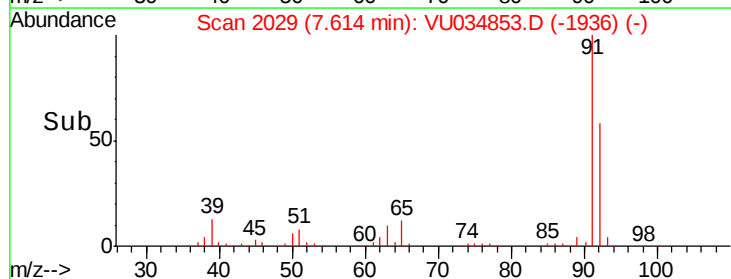
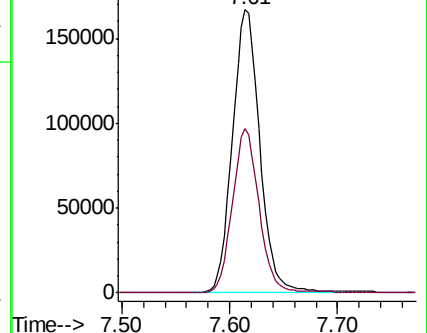
91 100

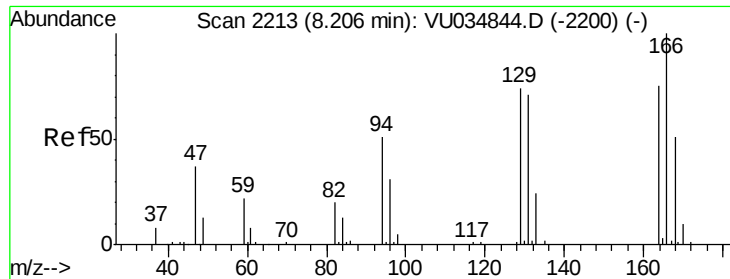
92 57.9 39.6 73.6



Abundance Ion 91.15 (90.85 to 91.85): VU034844.D (-2014) (-)

Ion 92.15 (91.85 to 92.85): VU034844.D (-2014) (-)

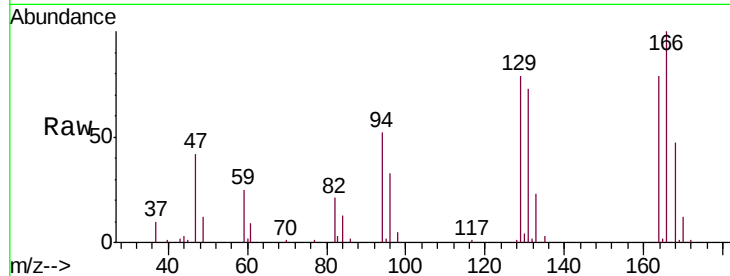




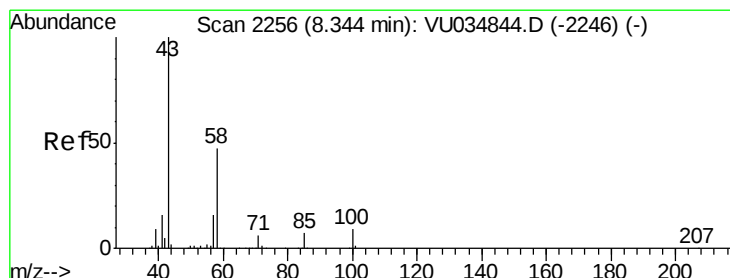
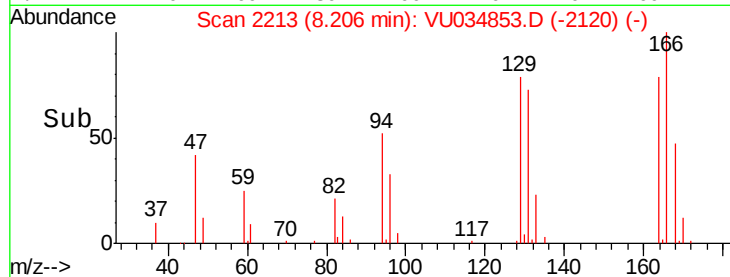
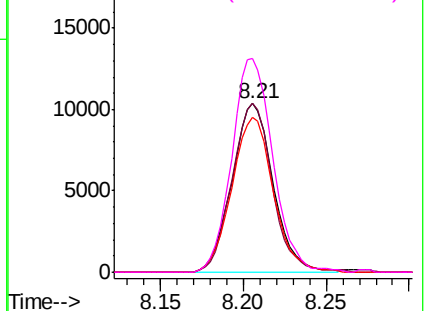
#47
Tetrachloroethene
Concen: 4.741 ug/L
RT: 8.21 min Scan# 2213
Delta R.T. -0.00 min
Lab File: VU034853.D
Acq: 26 Sep 2019 19:38

Instrument :
MSVOA_U
ClientSampled :
CWK33

Tgt Ion:164 Resp: 17906
Ion Ratio Lower Upper
164 100
129 100.3 73.6 136.8
131 91.9 73.4 136.4
166 126.6 90.6 168.3

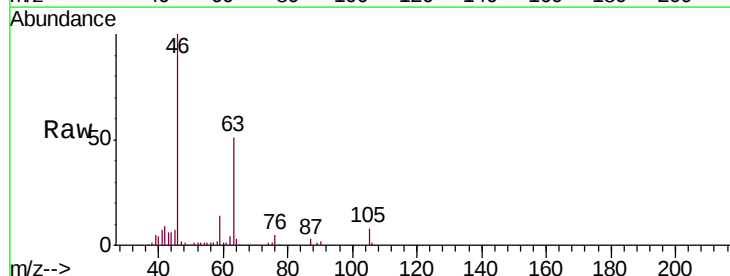


Abundance Ion 163.90 (163.60 to 164.60): V
Ion 128.95 (128.65 to 129.65): V
Ion 130.95 (130.65 to 131.65): V
Ion 165.90 (165.60 to 166.60): V

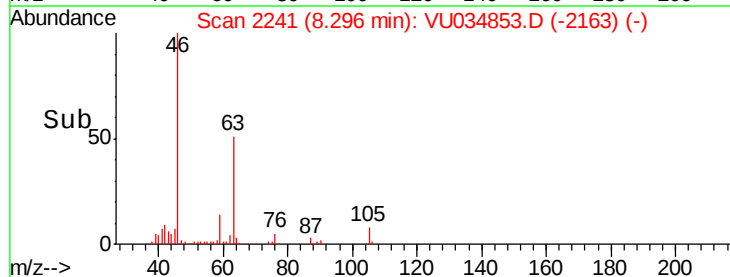
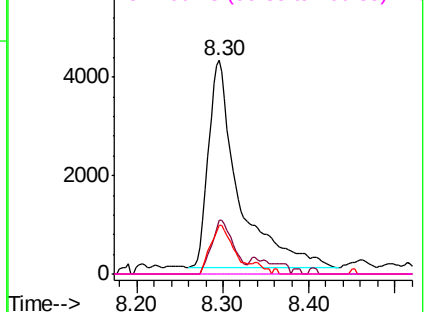


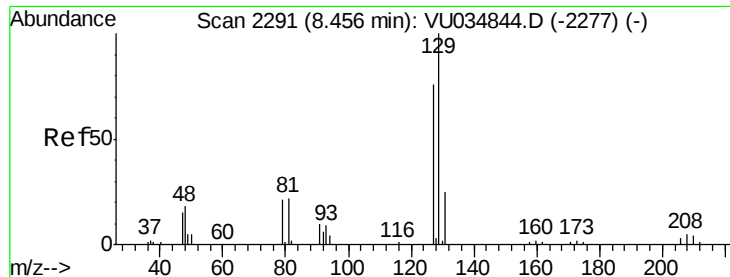
#48
2-Hexanone
Concen: 2.678 ug/L
RT: 8.30 min Scan# 2241
Delta R.T. -0.05 min
Lab File: VU034853.D
Acq: 26 Sep 2019 19:38

Tgt Ion: 43 Resp: 10467
Ion Ratio Lower Upper
43 100
58 18.4 41.2 61.8#
57 17.7 13.3 19.9
100 0.0 7.2 10.8#



Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0





#49

Dibromochloromethane

Concen: 3.040 ug/L

RT: 8.21 min Scan# 2213

Delta R.T. -0.25 min

Lab File: VU034853.D

Acq: 26 Sep 2019 19:38

Instrument :

MSVOA_U

ClientSampleId :

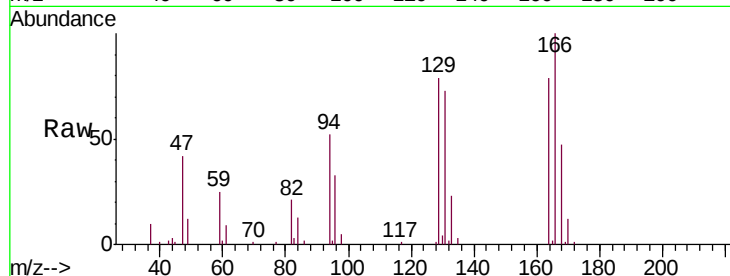
CWK33

Tgt Ion:129 Resp: 17503

Ion Ratio Lower Upper

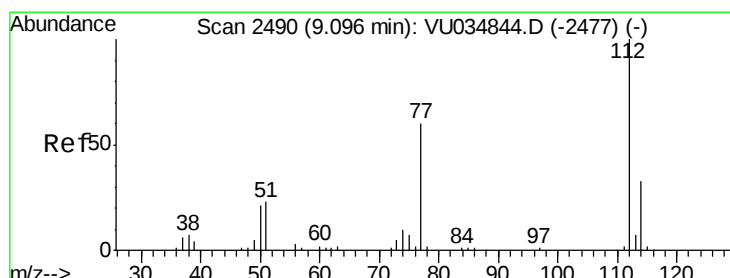
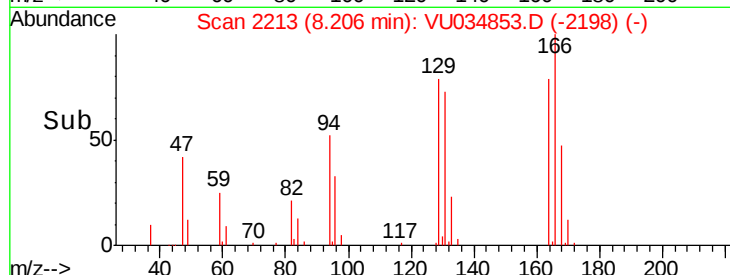
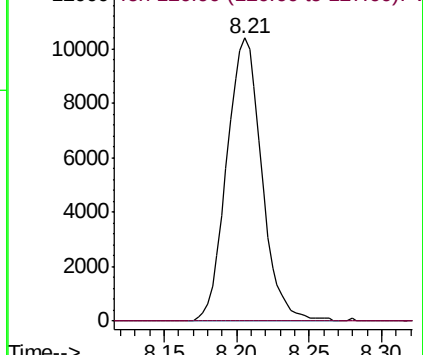
129 100

127 0.0 53.0 98.4#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V



#51

Chlorobenzene

Concen: 0.774 ug/L

RT: 9.10 min Scan# 2491

Delta R.T. 0.00 min

Lab File: VU034853.D

Acq: 26 Sep 2019 19:38

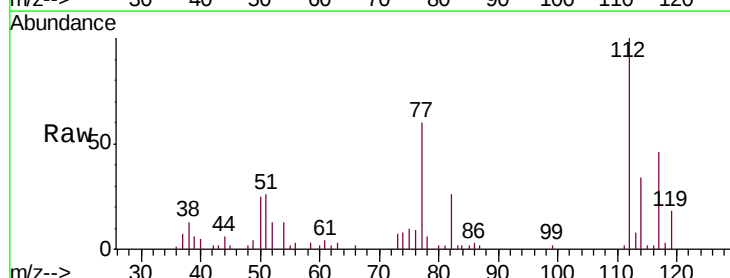
Tgt Ion:112 Resp: 13106

Ion Ratio Lower Upper

112 100

114 33.7 22.5 41.7

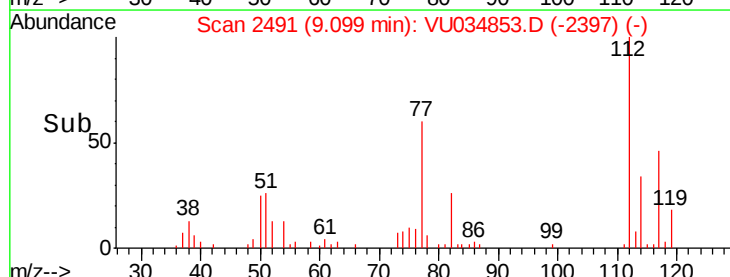
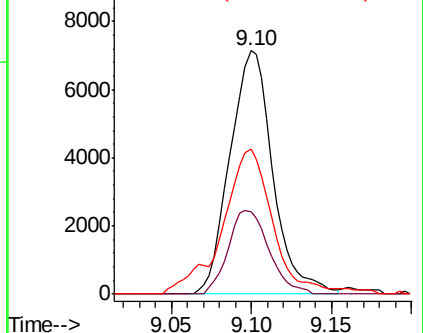
77 59.8 50.3 75.5

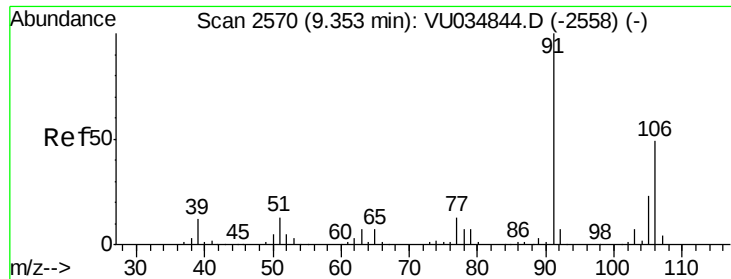


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VU0

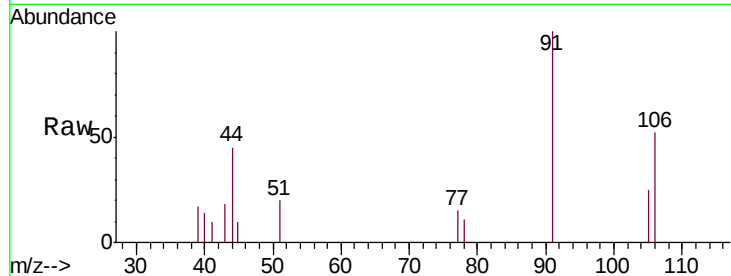




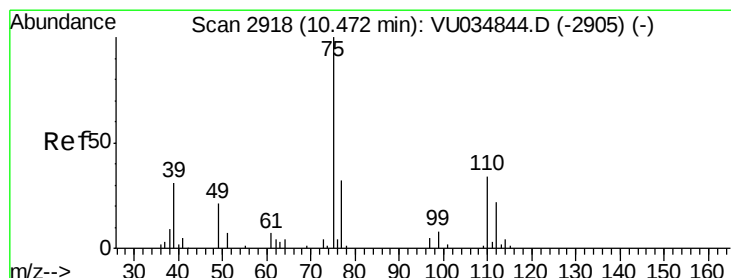
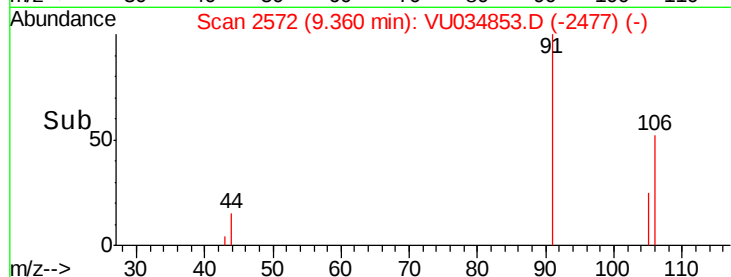
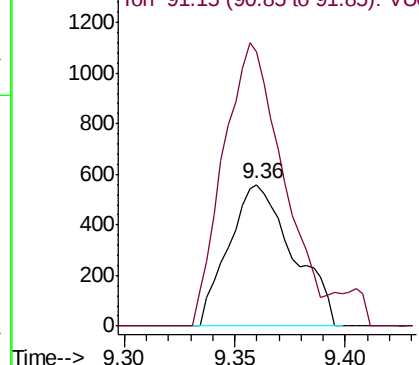
#53
m,p-Xylene
Concen: 0.102 ug/L
RT: 9.36 min Scan# 2572
Delta R.T. 0.01 min
Lab File: VU034853.D
Acq: 26 Sep 2019 19:38

Instrument :
MSVOA_U
ClientSampleId :
CWK33

Tgt Ion: 106 Resp: 1129
Ion Ratio Lower Upper
106 100
91 194.1 147.8 274.4

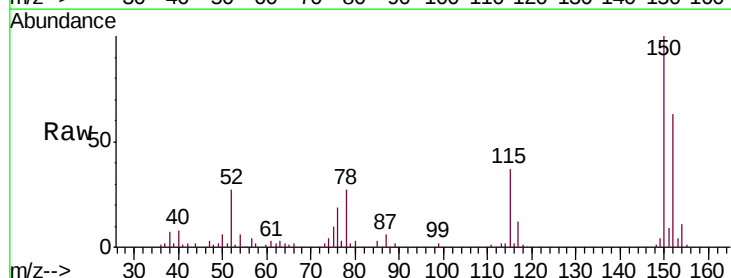


Abundance Ion 106.15 (105.85 to 106.85): VU034853.D (-2477) (-)
Ion 91.15 (90.85 to 91.85): VU034853.D (-2477) (-)

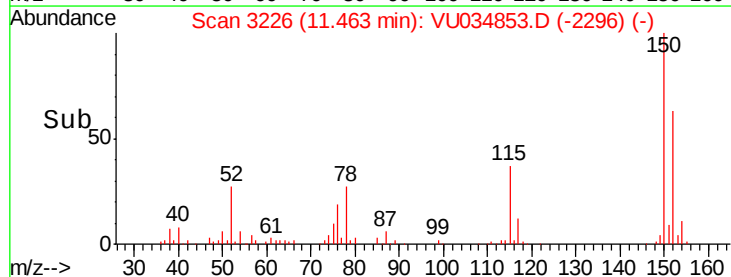
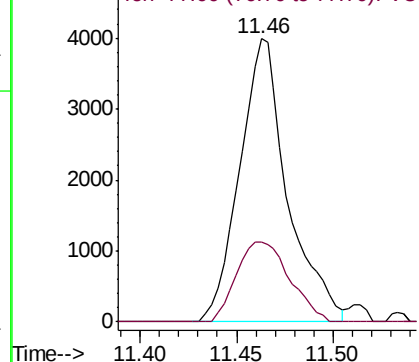


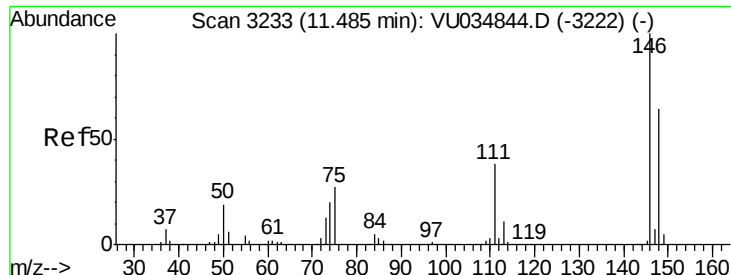
#59
1,2,3-Trichloropropane
Concen: 1.363 ug/L
RT: 11.46 min Scan# 3226
Delta R.T. 0.99 min
Lab File: VU034853.D
Acq: 26 Sep 2019 19:38

Tgt Ion: 75 Resp: 6869
Ion Ratio Lower Upper
75 100
77 31.3 26.0 39.0



Abundance Ion 75.00 (74.70 to 75.70): VU034853.D (-2296) (-)
Ion 77.00 (76.70 to 77.70): VU034853.D (-2296) (-)





#63

1,4-Dichlorobenzene

Concen: 0.175 ug/L

RT: 11.49 min Scan# 3233

Delta R.T. -0.00 min

Lab File: VU034853.D

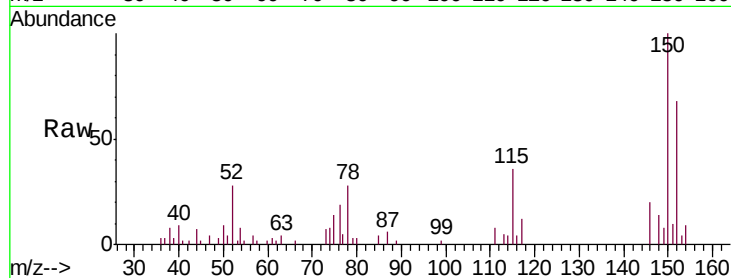
Acq: 26 Sep 2019 19:38

Instrument :

MSVOA_U

ClientSampleId :

CWK33



Tgt Ion:	146	Resp:	2167
Ion	Ratio	Lower	Upper
146	100		
111	40.6	30.2	56.2
148	69.4	45.4	84.4

