

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082219\
 Data File : VU033927.D
 Acq On : 23 Aug 2019 02:10
 Operator : JC/SP
 Sample : K4485-09
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F2B75

Quant Time: Aug 23 05:27:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM082219WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 23 02:53:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	578070	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	586471	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	271632	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	228699	45.11	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.22%
7) Chloroethane-d5	1.67	69	193371	48.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.18%
11) 1,1-Dichloroethene-d2	2.25	63	326380	35.69	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	71.38%
21) 2-Butanone-d5	4.15	46	390970	114.61	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	114.61%
24) Chloroform-d	4.62	84	401721	48.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.36%
26) 1,2-Dichloroethane-d4	5.28	65	268313	50.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.62%
32) Benzene-d6	5.31	84	814601	48.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.80%
36) 1,2-Dichloropropane-d6	6.31	67	272840	50.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.94%
41) Toluene-d8	7.55	98	713412	47.39	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.78%
43) trans-1,3-Dichloropropene-	7.83	79	115875	46.45	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.90%
47) 2-Hexanone-d5	8.29	63	270547	120.35	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	120.35%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	387525	50.34	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.68%
64) 1,2-Dichlorobenzene-d4	11.84	152	262116	47.29	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.58%

Target Compounds

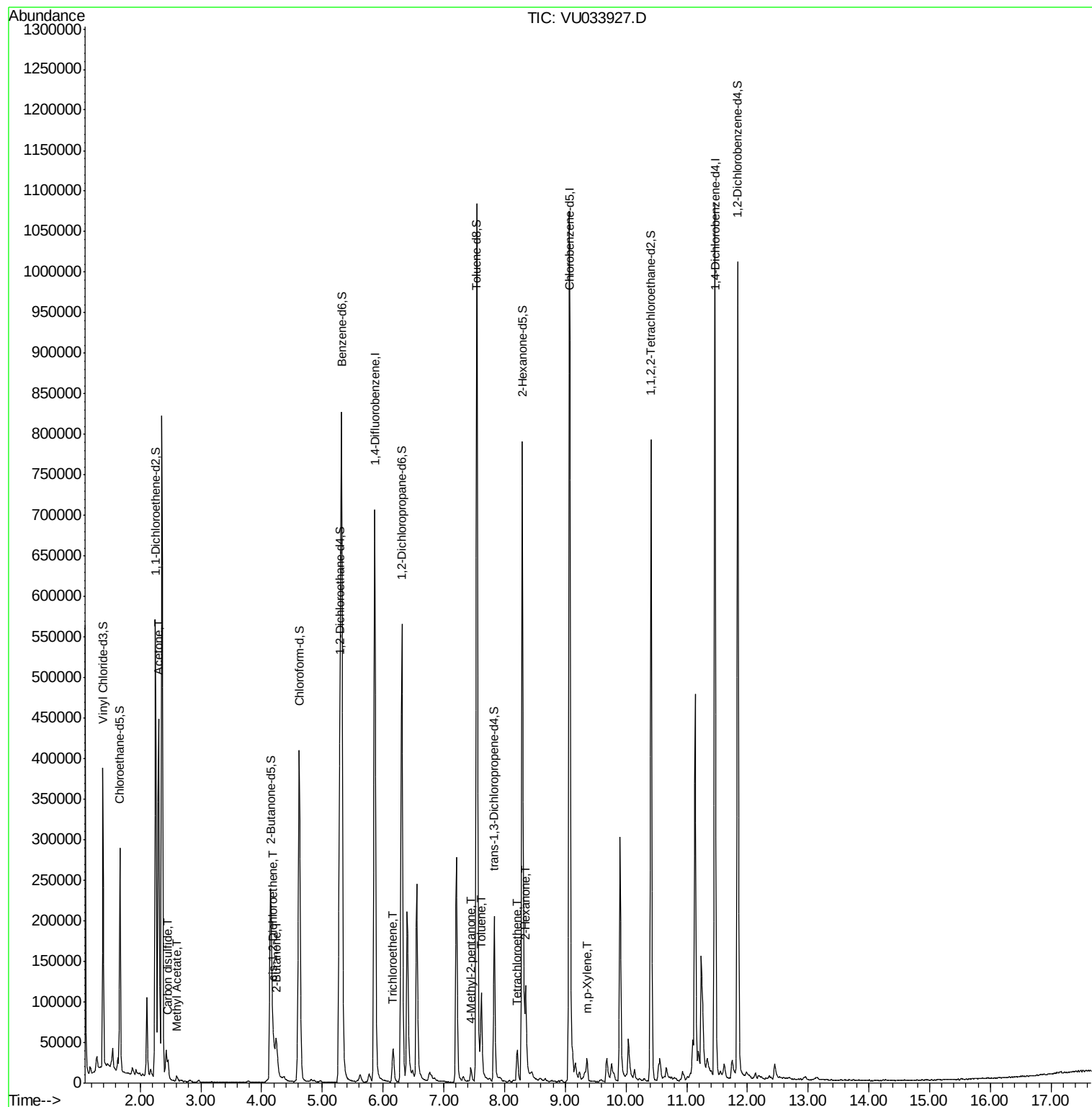
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	2.30	43	452369	145.188	ug/L	100
14) Carbon disulfide	2.46	76	23567	1.880	ug/L	97
15) Methyl Acetate	2.60	43	7271	1.340	ug/L	92
20) cis-1,2-Dichloroethene	4.20	96	14326	3.108	ug/L	98
22) 2-Butanone	4.24	43	85196	21.764	ug/L	99
34) Trichloroethene	6.16	95	8632	1.876	ug/L	96
40) 4-Methyl-2-pentanone	7.45	43	12568	1.809	ug/L	98
42) Toluene	7.62	91	67752	3.692	ug/L	98
46) Tetrachloroethene	8.21	164	8261	2.310	ug/L	96
48) 2-Hexanone	8.35	43	71101	13.178	ug/L	96
53) m,p-Xylene	9.36	106	8394	1.149	ug/L	96

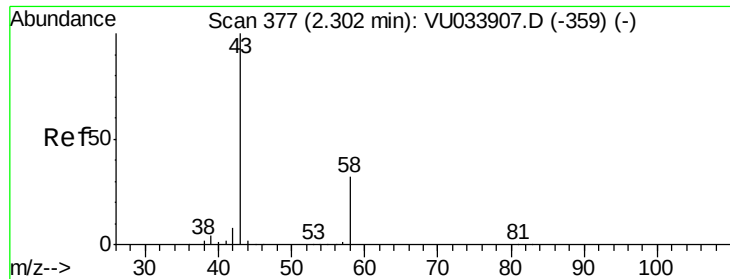
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 145.188 ug/L

RT: 2.30 min Scan# 377

Delta R.T. -0.00 min

Lab File: VU033927.D

Acq: 23 Aug 2019 02:10

Instrument :

MSVOA_U

ClientSampleId :

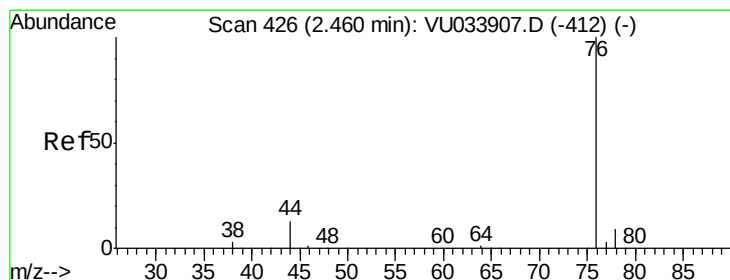
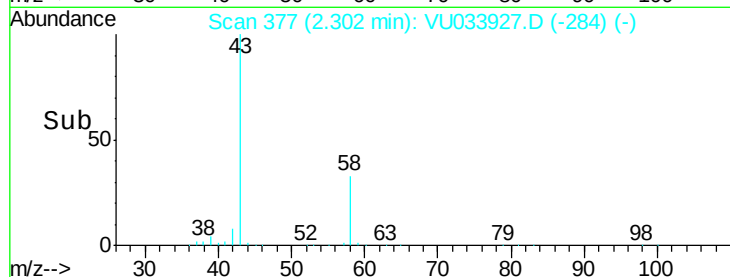
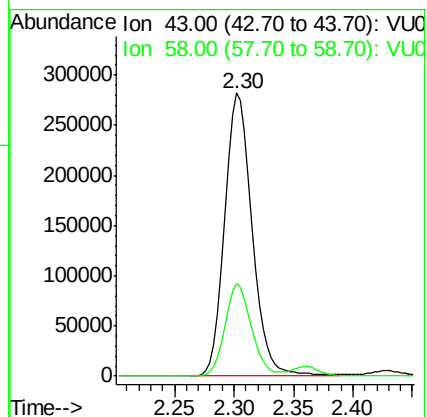
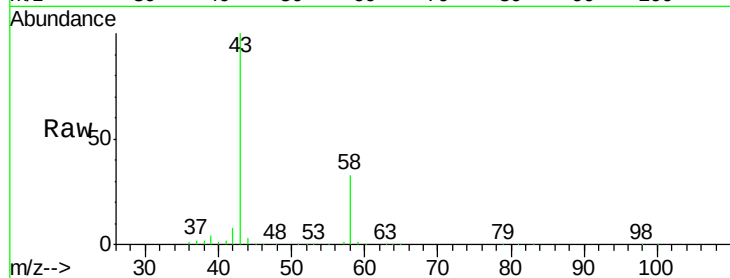
F2B75

Tot Ion: 43 Resp: 452369

Ion Ratio Lower Upper

43 100

58 31.3 0.0 62.4



#14

Carbon disulfide

Concen: 1.880 ug/L

RT: 2.46 min Scan# 426

Delta R.T. -0.00 min

Lab File: VU033927.D

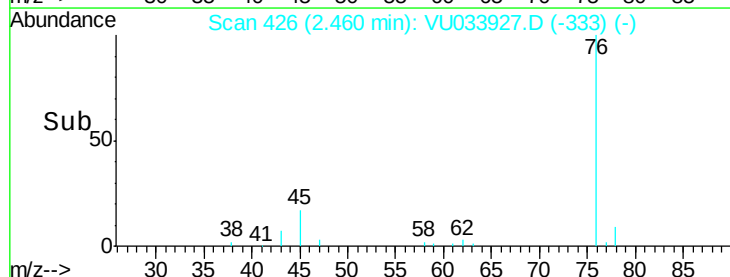
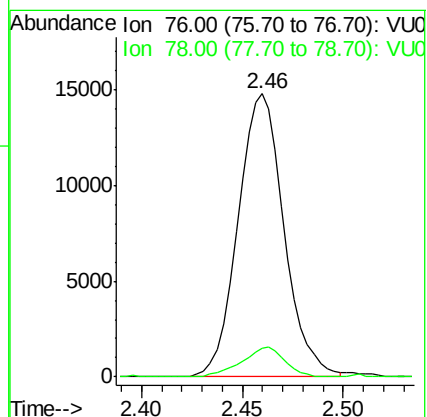
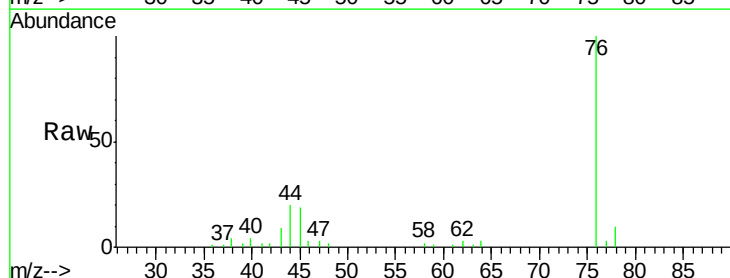
Acq: 23 Aug 2019 02:10

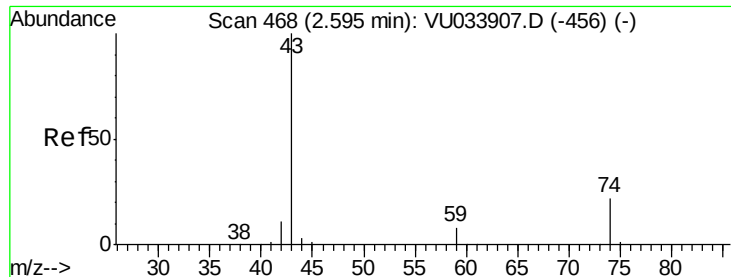
Tgt Ion: 76 Resp: 23567

Ion Ratio Lower Upper

76 100

78 10.2 7.4 11.0

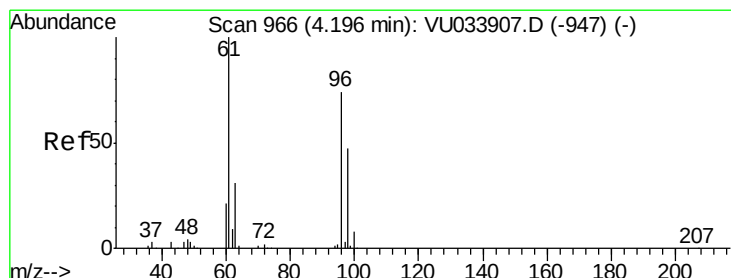
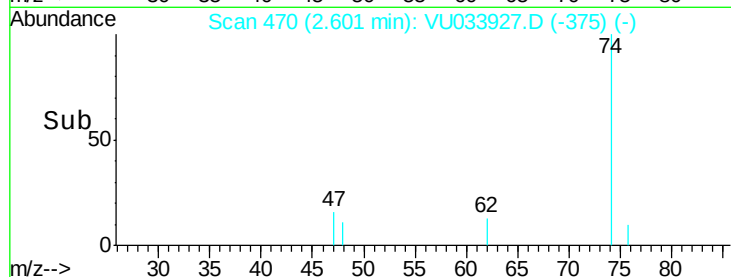
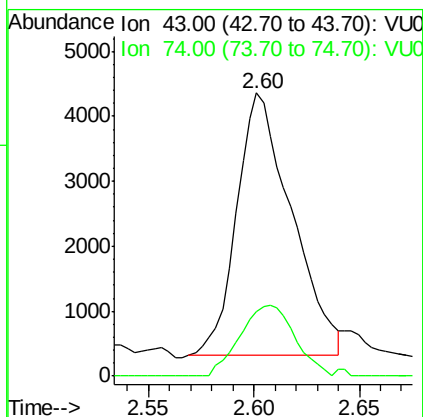
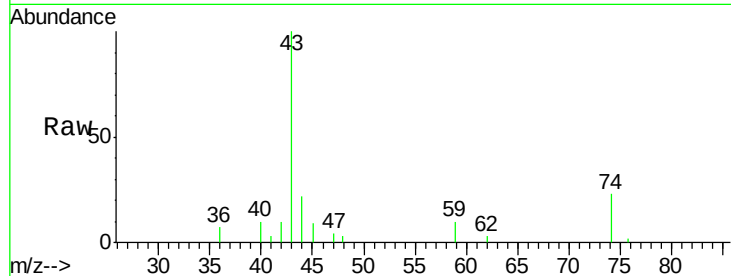




#15
Methvl Acetate
Concen: 1.340 ug/L
RT: 2.60 min Scan# 470
Delta R.T. 0.01 min
Lab File: VU033927.D
Acq: 23 Aug 2019 02:10

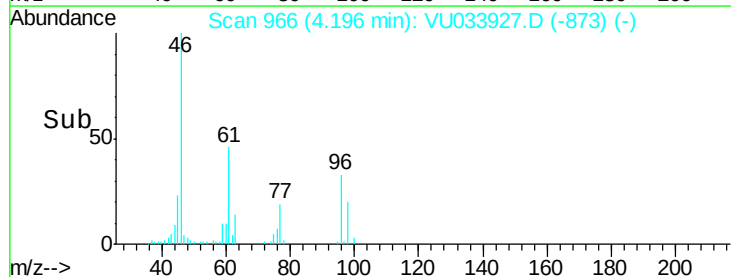
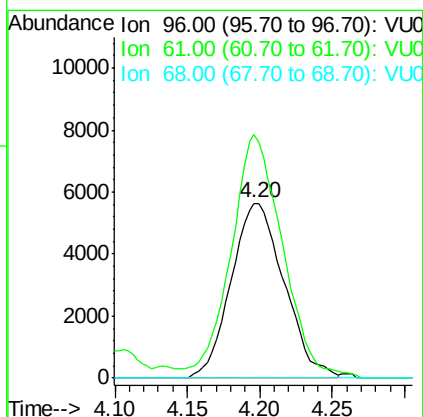
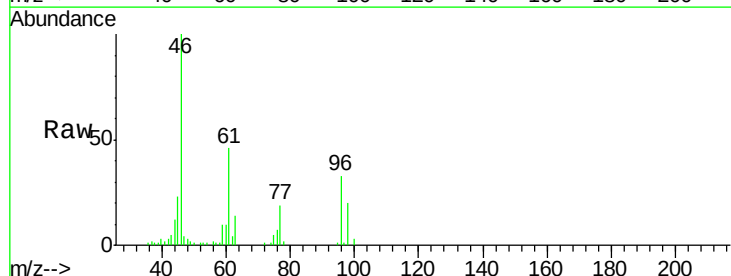
Instrument :
MSVOA_U
ClientSampleId :
F2B75

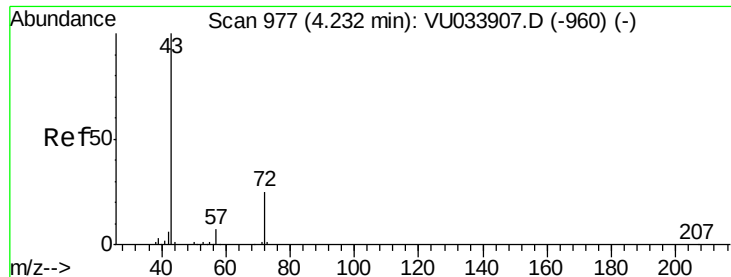
Tot Ion: 43 Resp: 7271
Ion Ratio Lower Upper
43 100
74 27.1 18.6 27.8



#20
cis-1,2-Dichloroethene
Concen: 3.108 ug/L
RT: 4.20 min Scan# 966
Delta R.T. -0.00 min
Lab File: VU033927.D
Acq: 23 Aug 2019 02:10

Tgt Ion: 96 Resp: 14326
Ion Ratio Lower Upper
96 100
61 139.3 95.5 177.4
68 0.0 0.0 0.0





#22

2-Butanone

Concen: 21.764 ug/L

RT: 4.24 min Scan# 980

Delta R.T. 0.01 min

Lab File: VU033927.D

Acq: 23 Aug 2019 02:10

Instrument :

MSVOA_U

ClientSampleId :

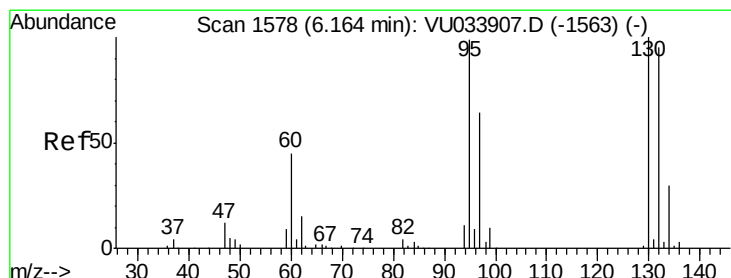
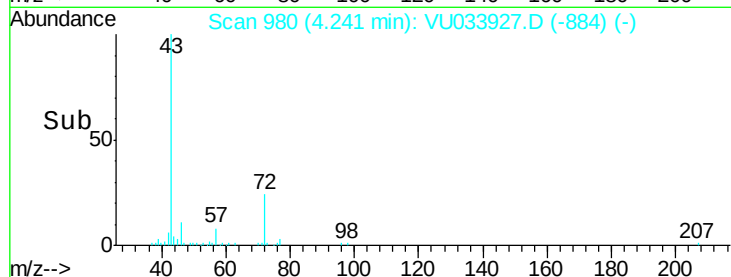
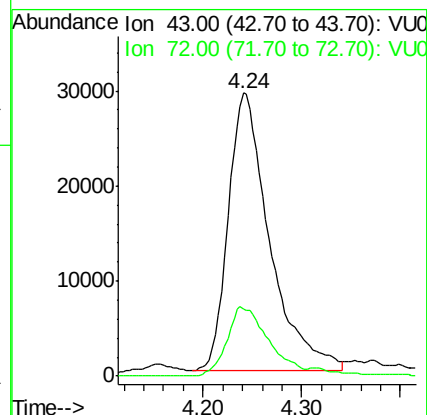
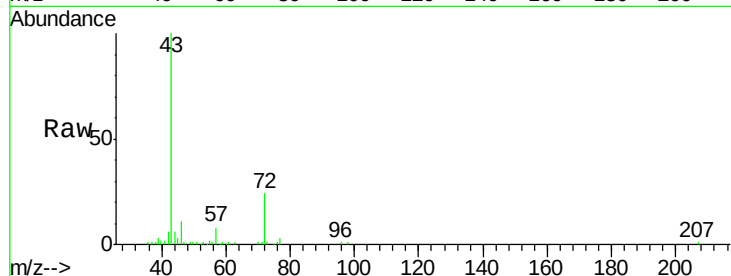
F2B75

Tot Ion: 43 Resp: 85196

Ion Ratio Lower Upper

43 100

72 25.3 13.0 39.0



#34

Trichloroethene

Concen: 1.876 ug/L

RT: 6.16 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VU033927.D

Acq: 23 Aug 2019 02:10

Tgt Ion: 95 Resp: 8632

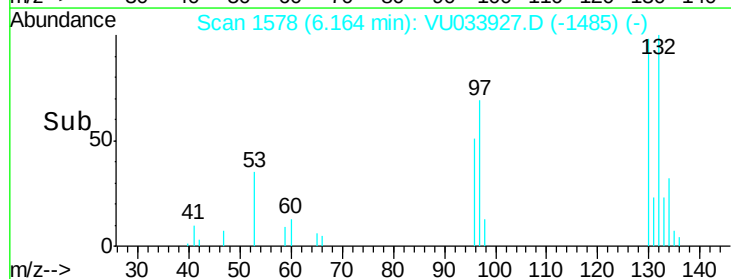
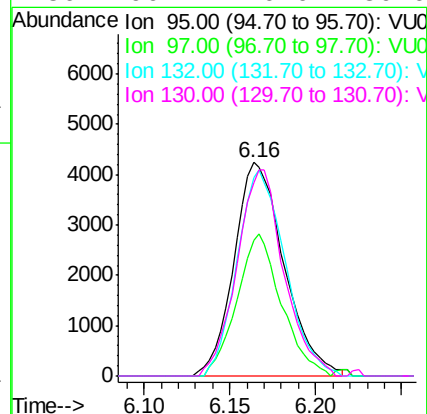
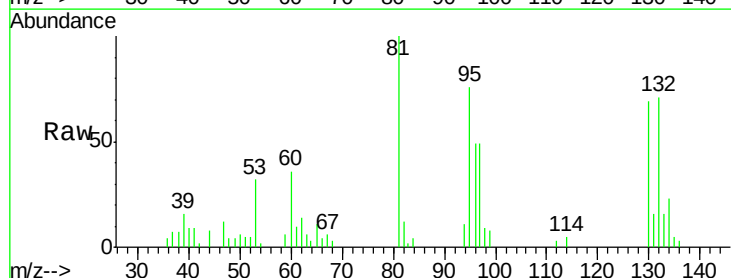
Ion Ratio Lower Upper

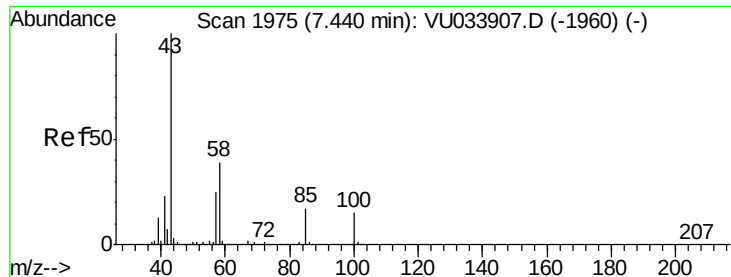
95 100

97 63.8 44.7 82.9

132 92.7 65.7 122.1

130 90.7 70.0 130.0

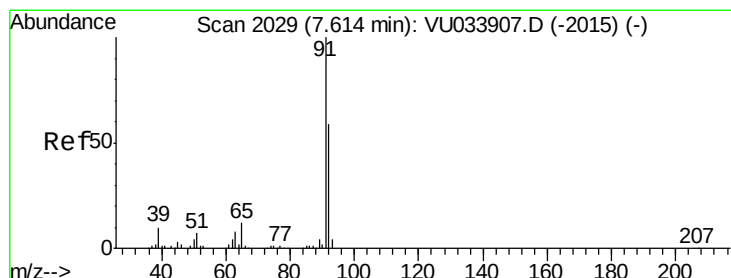
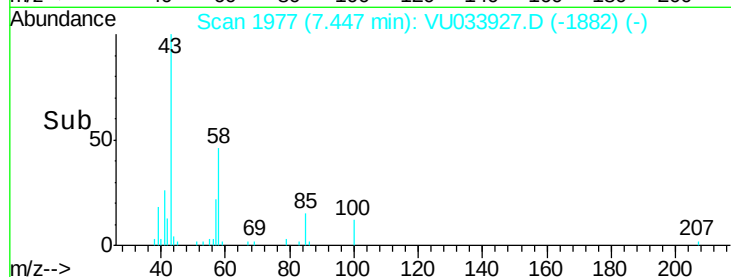
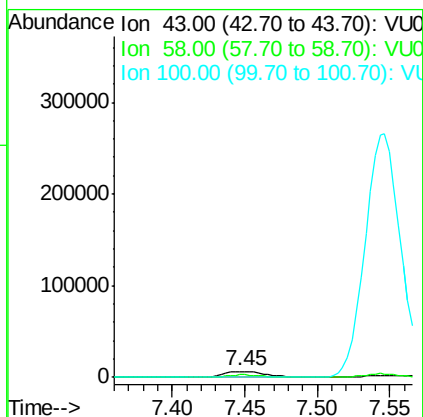
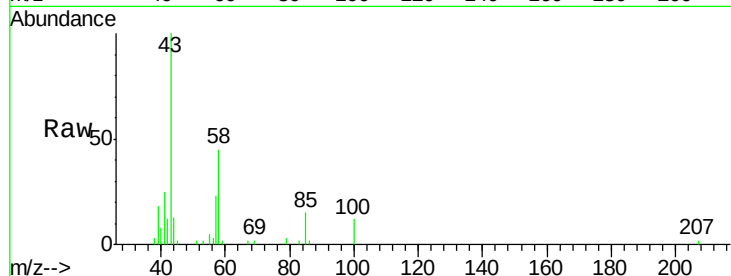




#40
 4-Methyl-2-pentanone
 Concen: 1.809 ug/L
 RT: 7.45 min Scan# 1977
 Delta R.T. 0.01 min
 Lab File: VU033927.D
 Acq: 23 Aug 2019 02:10

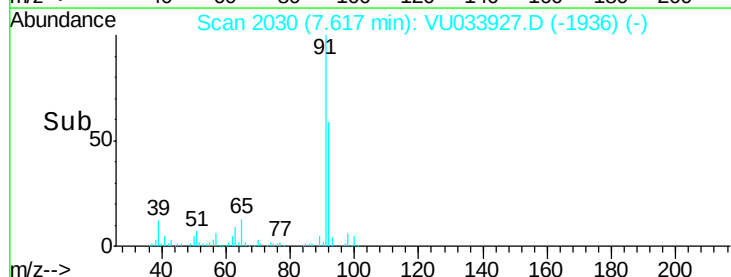
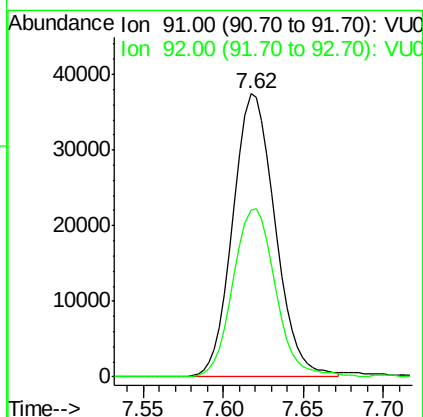
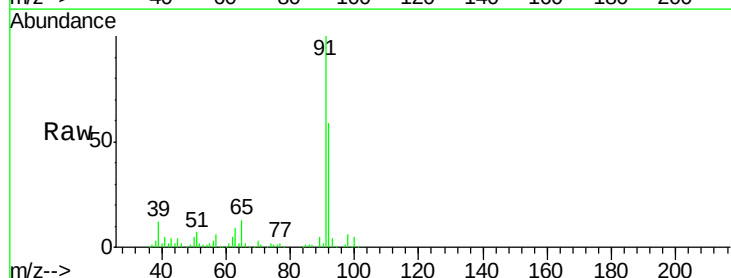
Instrument :
 MSVOA_U
 ClientSampleId :
 F2B75

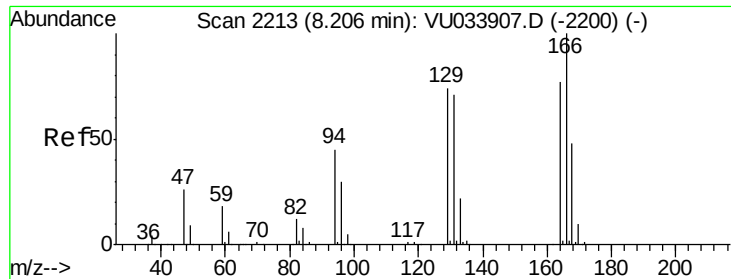
Tot Ion: 43 Resp: 12568
 Ion Ratio Lower Upper
 43 100
 58 40.1 31.6 47.4
 100 12.4 12.0 18.0



#42
 Toluene
 Concen: 3.692 ug/L
 RT: 7.62 min Scan# 2030
 Delta R.T. 0.00 min
 Lab File: VU033927.D
 Acq: 23 Aug 2019 02:10

Tgt Ion: 91 Resp: 67752
 Ion Ratio Lower Upper
 91 100
 92 58.8 40.3 74.9





#46

Tetrachloroethene

Concen: 2.310 ug/L

RT: 8.21 min Scan# 2215

Delta R.T. 0.01 min

Lab File: VU033927.D

Acq: 23 Aug 2019 02:10

Instrument :

MSVOA_U

ClientSampleId :

F2B75

Tot Ion:164 Resp: 8261

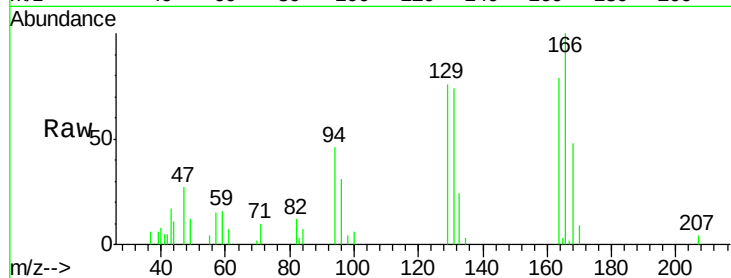
Ion Ratio Lower Upper

164 100

129 96.0 63.9 118.7

131 93.9 62.5 116.1

166 127.0 87.3 162.1

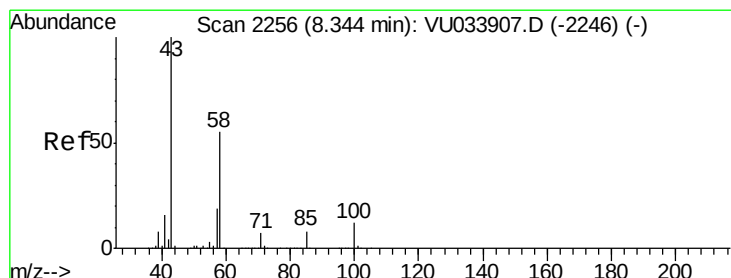
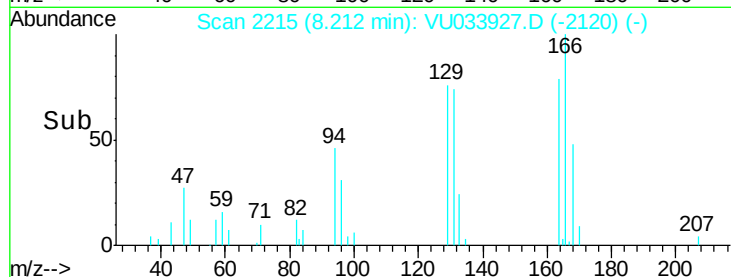
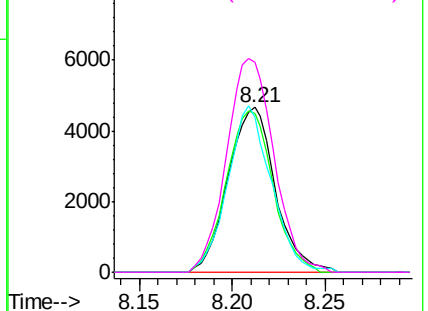


Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#48

2-Hexanone

Concen: 13.178 ug/L

RT: 8.35 min Scan# 2257

Delta R.T. 0.00 min

Lab File: VU033927.D

Acq: 23 Aug 2019 02:10

Tgt Ion: 43 Resp: 71101

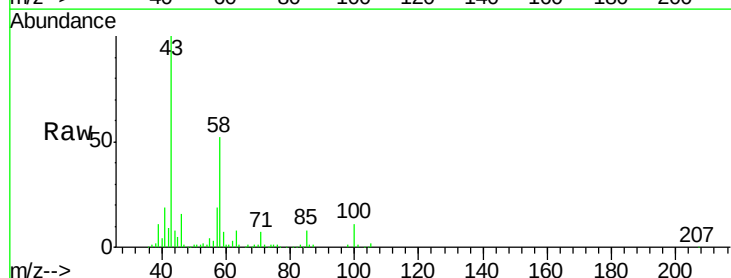
Ion Ratio Lower Upper

43 100

58 52.4 44.3 66.5

57 20.4 15.3 22.9

100 9.5 9.4 14.2

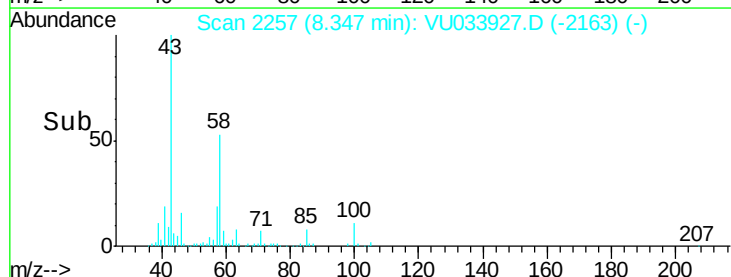
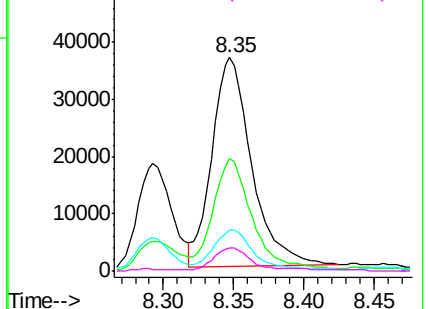


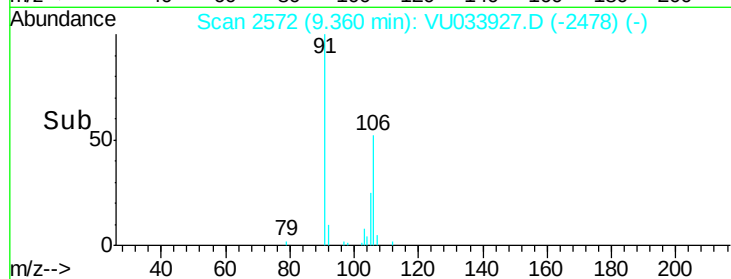
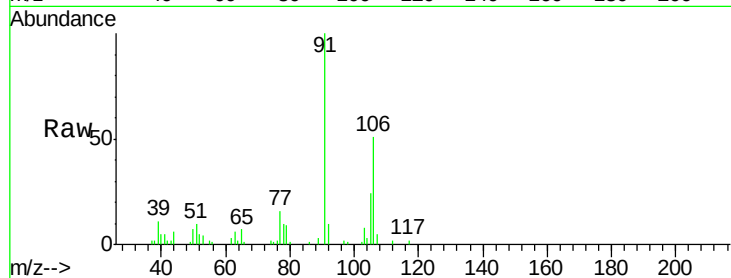
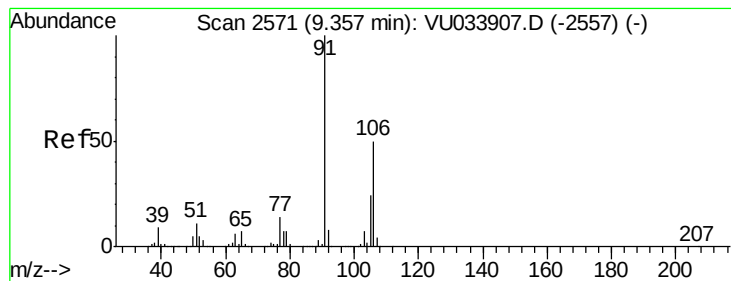
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

Ion 100.00 (99.70 to 100.70): VU0





#53

m,p-Xylene

Concen: 1.149 ug/L

RT: 9.36 min Scan# 2572

Delta R.T. 0.00 min

Lab File: VU033927.D

Acq: 23 Aug 2019 02:10

Instrument :

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ClientSampleId :

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Tot Ion:106 Resp: 8394

Ion Ratio Lower Upper

106 100

91 196.6 142.2 264.0

