

Data File : VU033915.D
Acq On : 22 Aug 2019 21:29
Operator : JC/SP
Sample : K4454-08DL 20X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
F2C00DL

Quant Time: Aug 23 03:06:12 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	571230	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	566973	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	240224	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	182488	36.43	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	72.86%
7) Chloroethane-d5	1.67	69	162412	40.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	81.74%
11) 1,1-Dichloroethene-d2	2.25	63	273200	30.23	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	60.46%
21) 2-Butanone-d5	4.15	46	350878	104.09	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.09%
24) Chloroform-d	4.62	84	371638	45.57	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.14%
26) 1,2-Dichloroethane-d4	5.28	65	246020	46.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.36%
32) Benzene-d6	5.31	84	723134	44.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.80%
36) 1,2-Dichloropropane-d6	6.31	67	248614	47.57	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.14%
41) Toluene-d8	7.55	98	596535	40.99	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	81.98%
43) trans-1,3-Dichloropropene-	7.83	79	100810	41.80	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.60%
47) 2-Hexanone-d5	8.29	63	225260	103.65	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.65%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	350561	47.10	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.20%
64) 1,2-Dichlorobenzene-d4	11.84	152	239314	48.82	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.64%

Target Compounds

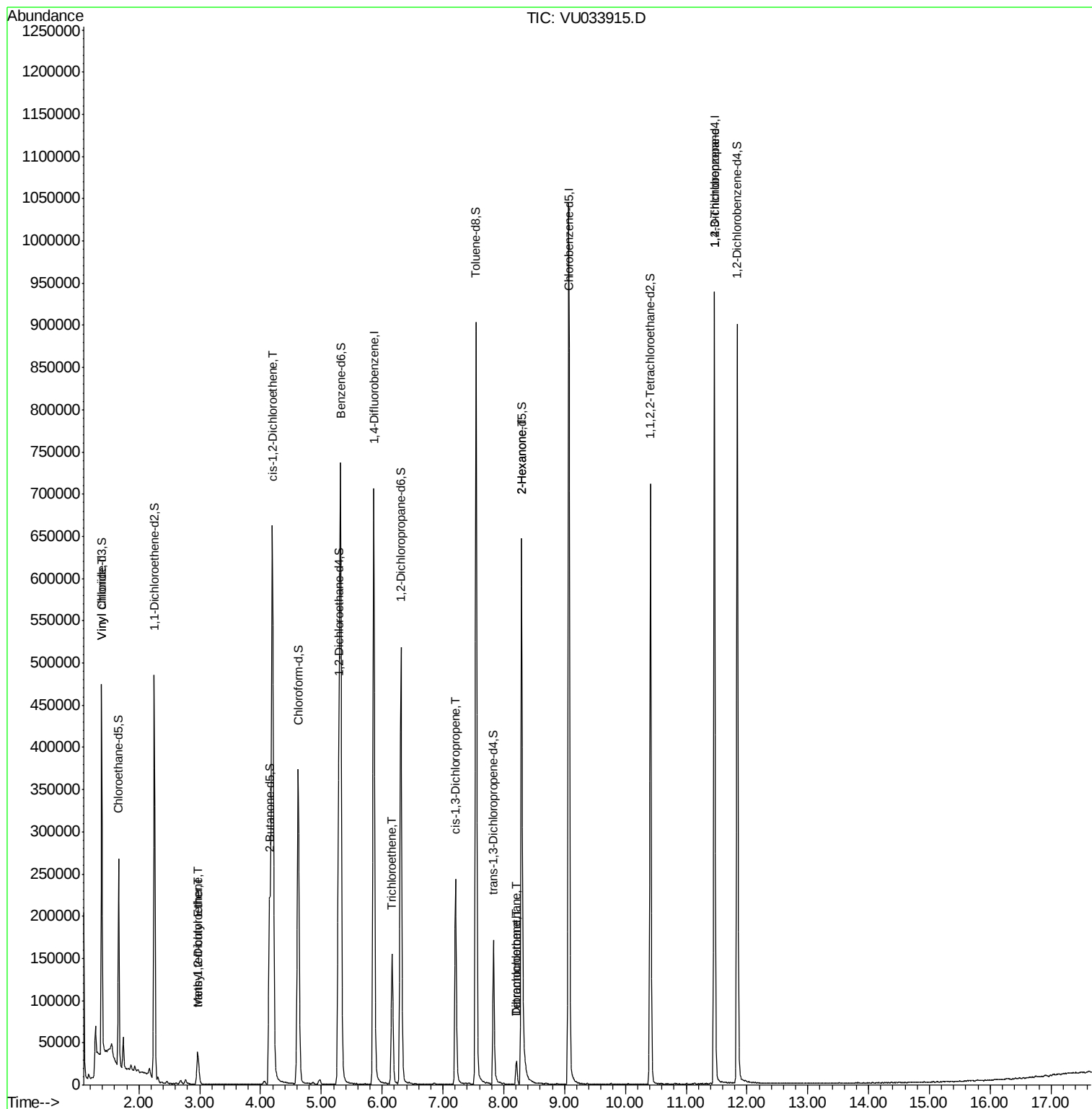
					Qvalue
5) Vinyl chloride	1.39	62	107998	18.095 ug/L #	68
17) trans-1,2-Dichloroethene	2.96	96	9183	2.219 ug/L	97
18) Methyl tert-butyl Ether	2.98	73	18061	1.442 ug/L #	88
20) cis-1,2-Dichloroethene	4.20	96	358337	78.672 ug/L	98
34) Trichloroethene	6.16	95	51862	11.659 ug/L	98
39) cis-1,3-Dichloropropene	7.21	75	5866	0.841 ug/L #	67
46) Tetrachloroethene	8.21	164	6577	1.902 ug/L	93
48) 2-Hexanone	8.30	43	28157	5.398 ug/L #	70
49) Dibromochloromethane	8.21	129	6103	1.278 ug/L #	10
59) 1,2,3-Trichloropropane	11.47	75	29474	4.917 ug/L	93

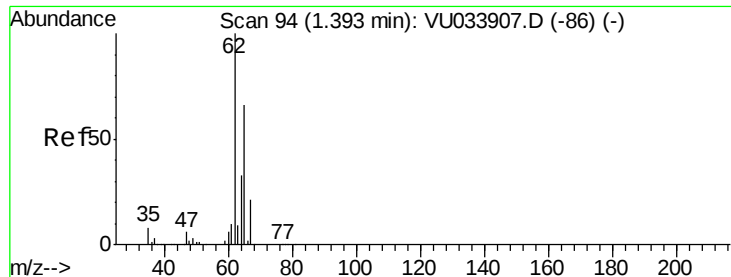
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 18.095 ug/L

RT: 1.39 min Scan# 94

Delta R.T. -0.00 min

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Instrument :

MSVOA_U

ClientSampleId :

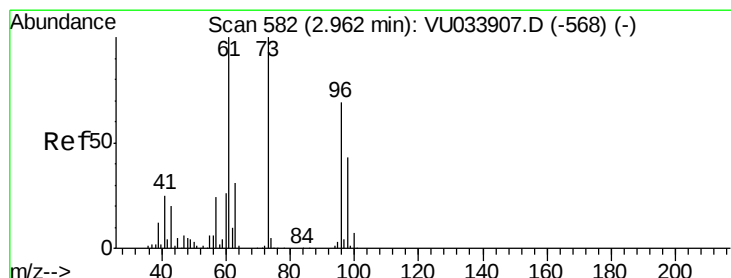
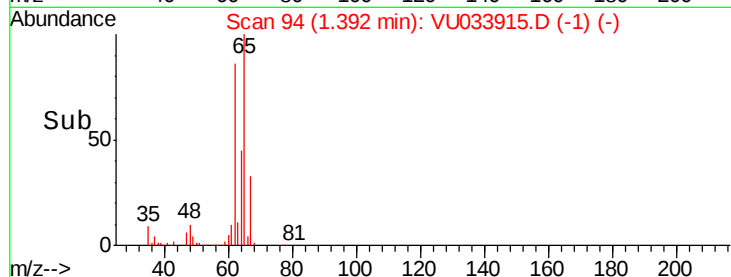
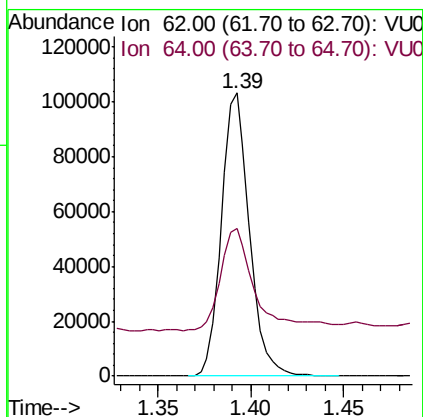
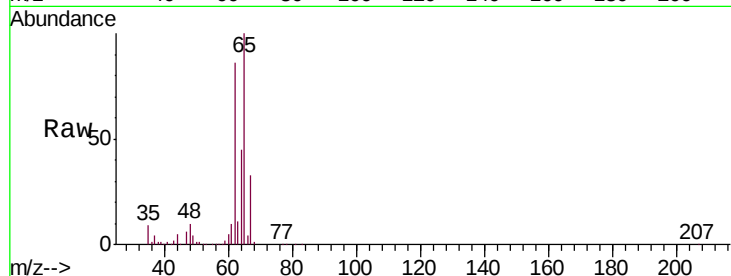
F2C00DL

Tgt Ion: 62 Resp: 107998

Ion Ratio Lower Upper

62 100

64 52.0 23.7 44.1#



#17

trans-1,2-Dichloroethene

Concen: 2.219 ug/L

RT: 2.96 min Scan# 583

Delta R.T. 0.00 min

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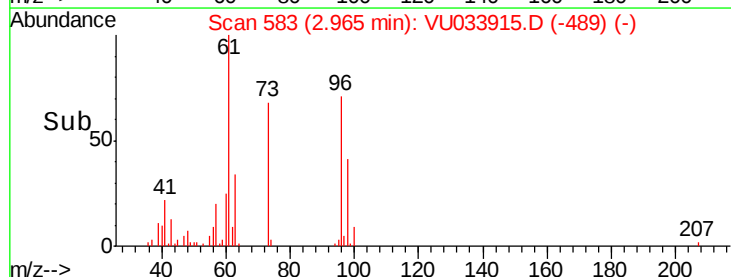
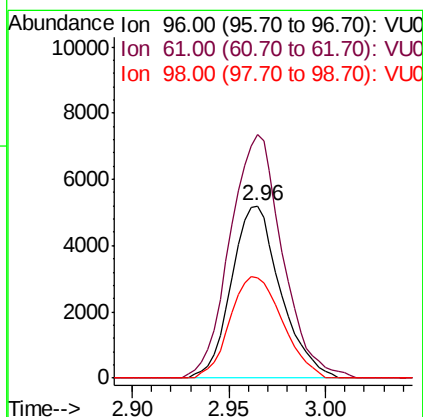
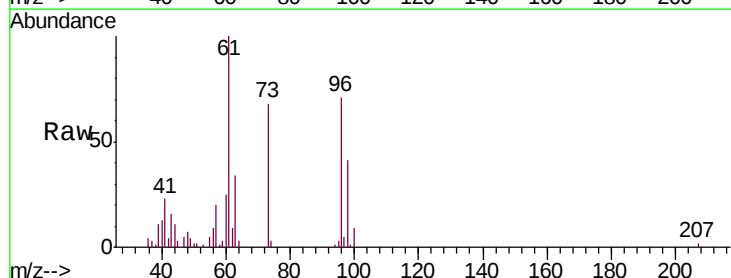
Tgt Ion: 96 Resp: 9183

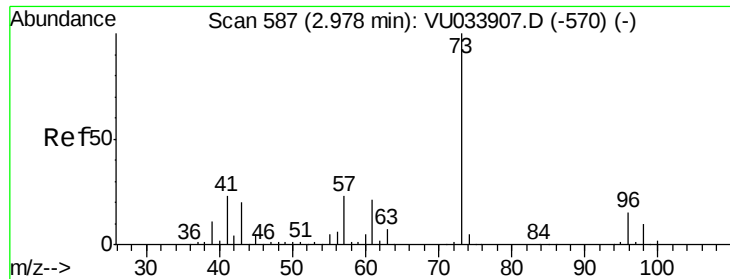
Ion Ratio Lower Upper

96 100

61 141.3 101.2 187.8

98 58.4 44.0 81.6

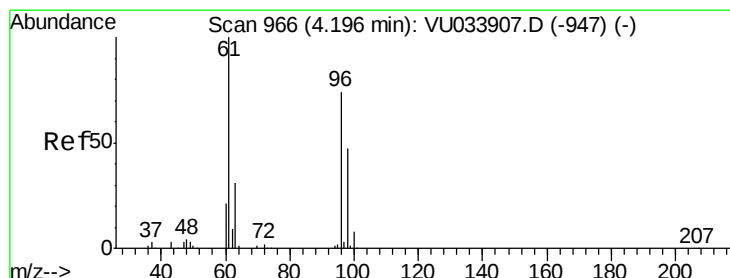
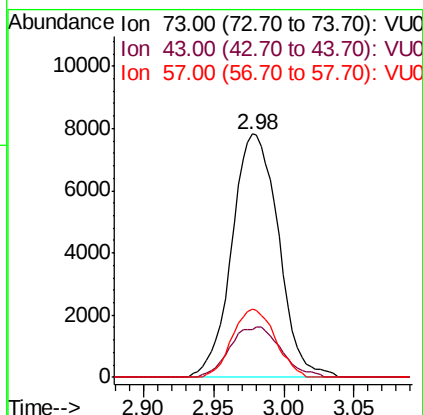
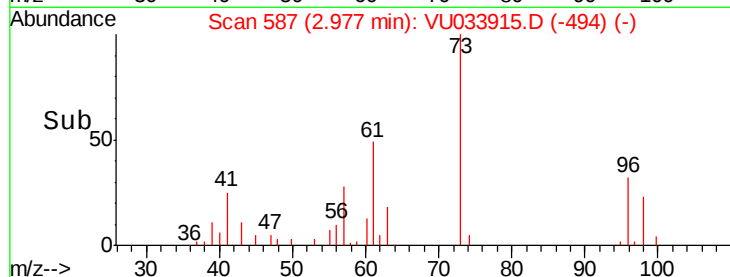
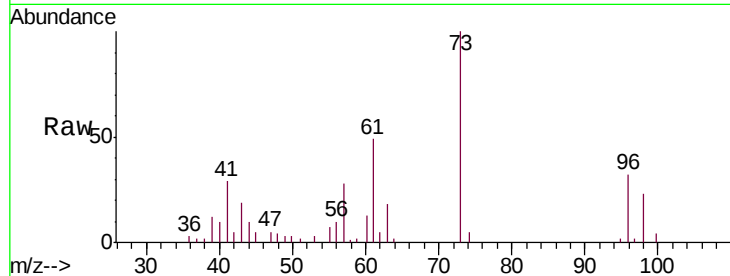




#18
Methyl tert-butyl Ether
Concen: 1.442 ug/L
RT: 2.98 min Scan# 587
Delta R.T. -0.00 min
Lab File: VU033915.D
Acq: 22 Aug 2019 21:29

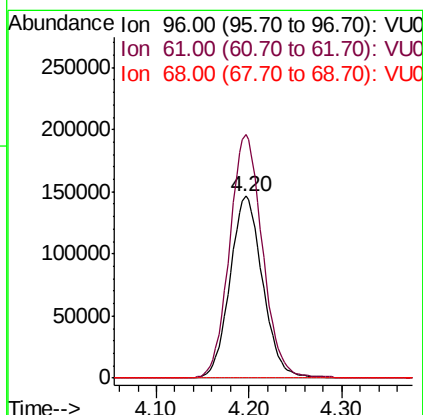
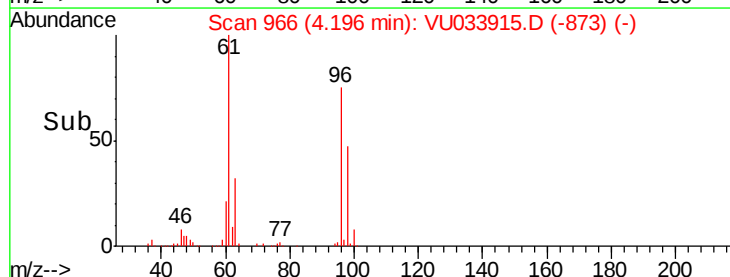
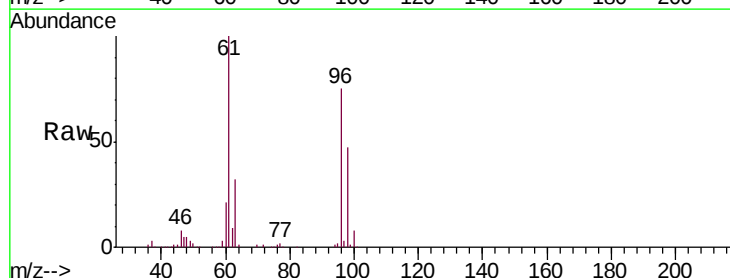
Instrument :
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F2C00DL

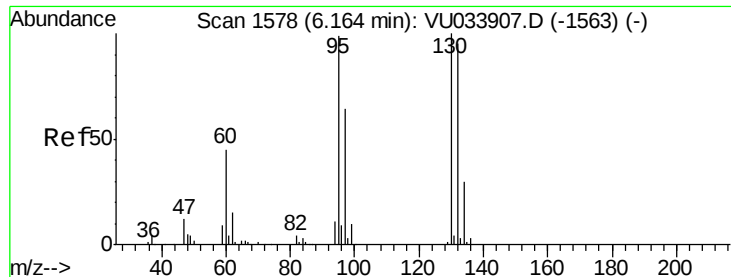
Tgt Ion: 73 Resp: 18061
Ion Ratio Lower Upper
73 100
43 10.8 16.3 24.5#
57 25.7 18.8 28.2



#20
cis-1,2-Dichloroethene
Concen: 78.672 ug/L
RT: 4.20 min Scan# 966
Delta R.T. -0.00 min
Lab File: VU033915.D
Acq: 22 Aug 2019 21:29

Tgt Ion: 96 Resp: 358337
Ion Ratio Lower Upper
96 100
61 133.8 95.5 177.4
68 0.0 0.0 0.0

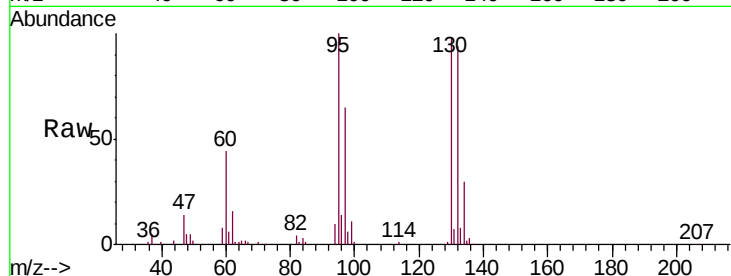




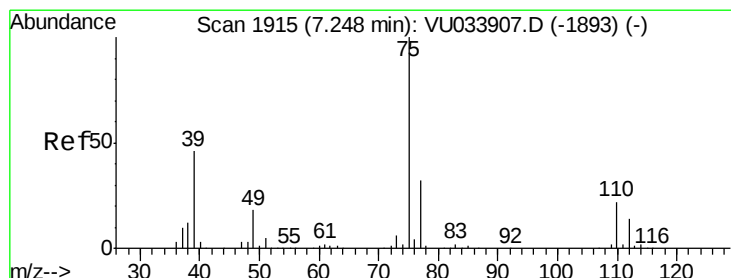
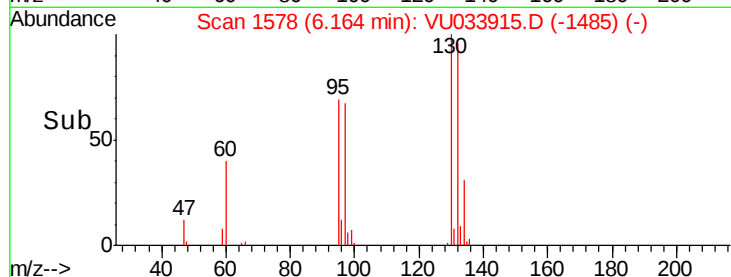
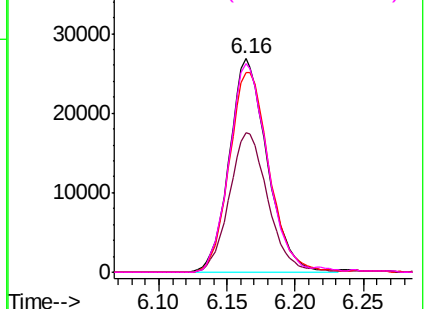
#34
 Trichloroethene
 Concen: 11.659 ug/L
 RT: 6.16 min Scan# 1578
 Delta R.T. -0.00 min
 Lab File: VU033915.D
 Acq: 22 Aug 2019 21:29

Instrument :
 MSVOA_U
 ClientSampleId :
 F2C00DL

Tgt Ion: 95 Resp: 51862
 Ion Ratio Lower Upper
 95 100
 97 65.4 44.7 82.9
 132 93.6 65.7 122.1
 130 97.7 70.0 130.0

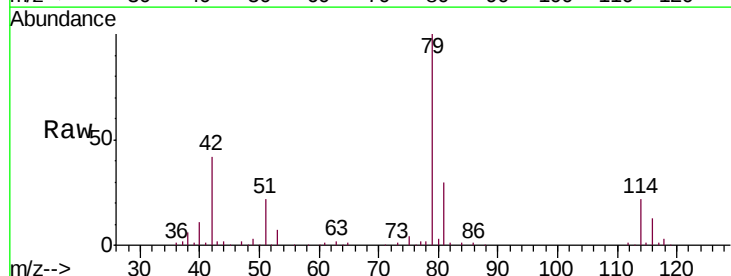


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

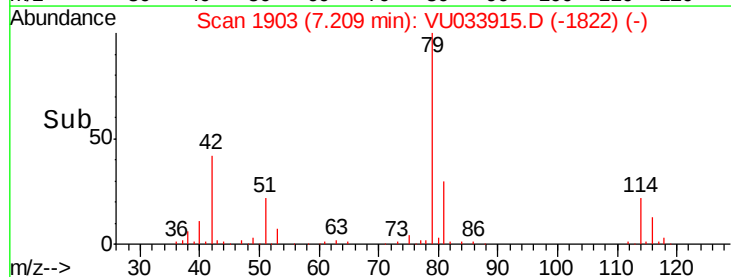
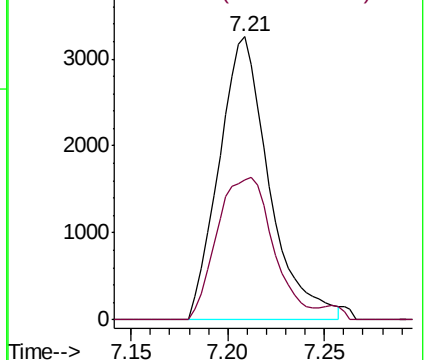


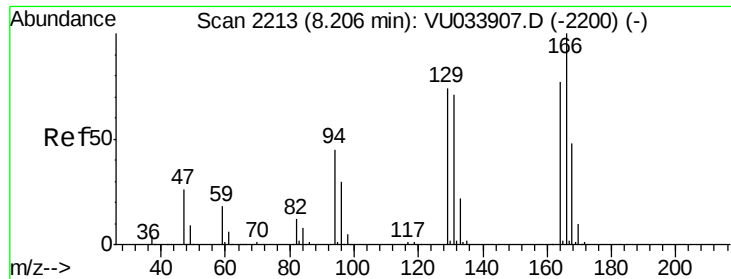
#39
 cis-1,3-Dichloropropene
 Concen: 0.841 ug/L
 RT: 7.21 min Scan# 1903
 Delta R.T. -0.04 min
 Lab File: VU033915.D
 Acq: 22 Aug 2019 21:29

Tgt Ion: 75 Resp: 5866
 Ion Ratio Lower Upper
 75 100
 77 49.4 21.8 40.4#



Abundance Ion 75.00 (74.70 to 75.70): VU0
 Ion 77.00 (76.70 to 77.70): VU0

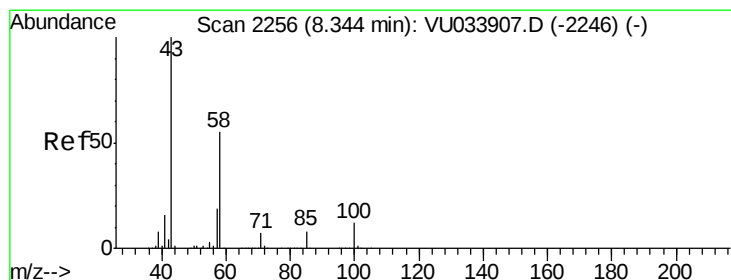
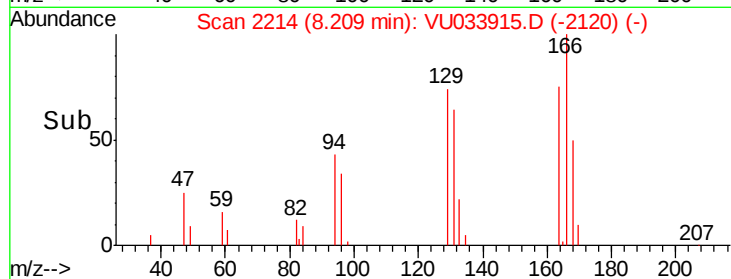
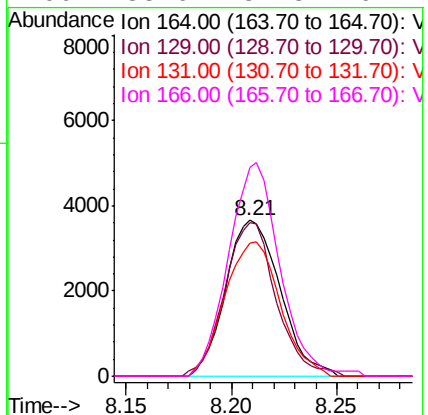
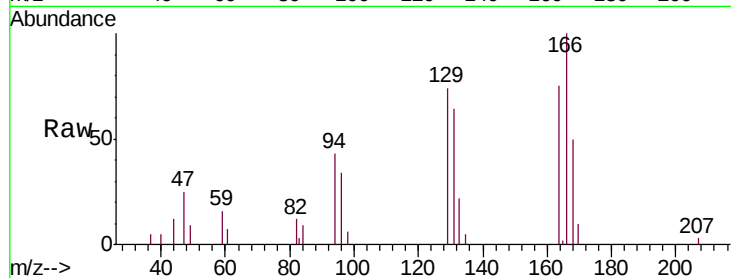




#46
Tetrachloroethene
Concen: 1.902 ug/L
RT: 8.21 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VU033915.D
Acq: 22 Aug 2019 21:29

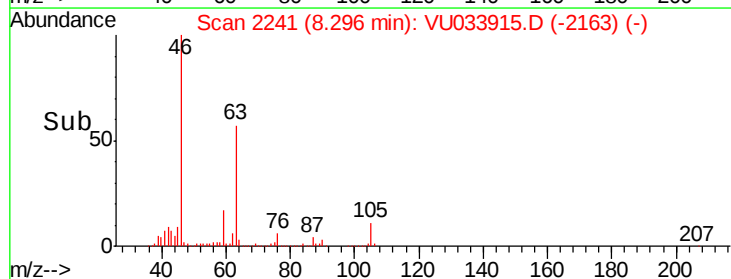
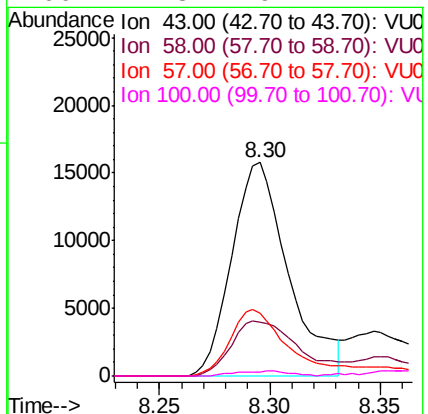
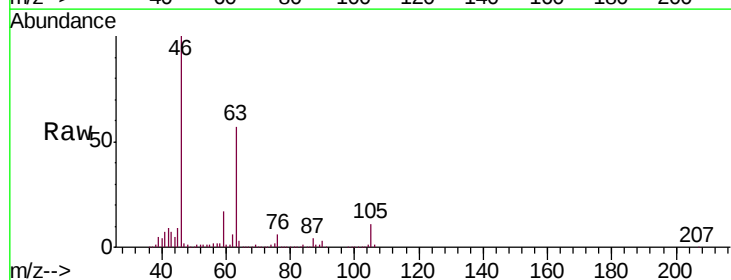
Instrument :
MSVOA_U
ClientSampleId :
F2C00DL

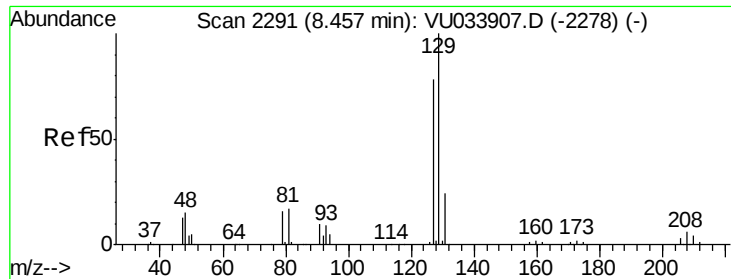
Tgt Ion:	164	Resp:	6577
Ion	Ratio	Lower	Upper
164	100		
129	98.8	63.9	118.7
131	85.6	62.5	116.1
166	133.6	87.3	162.1



#48
2-Hexanone
Concen: 5.398 ug/L
RT: 8.30 min Scan# 2241
Delta R.T. -0.05 min
Lab File: VU033915.D
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Tgt Ion:	43	Resp:	28157
Ion	Ratio	Lower	Upper
43	100		
58	31.8	44.3	66.5#
57	30.8	15.3	22.9#
100	2.3	9.4	14.2#

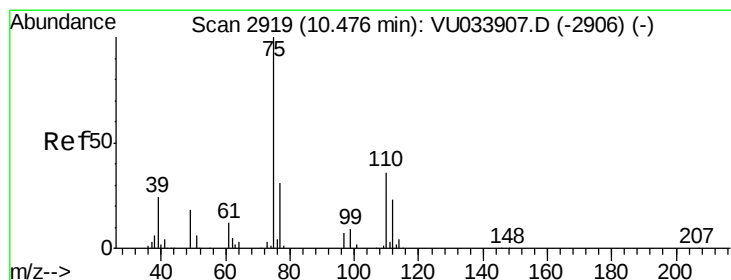
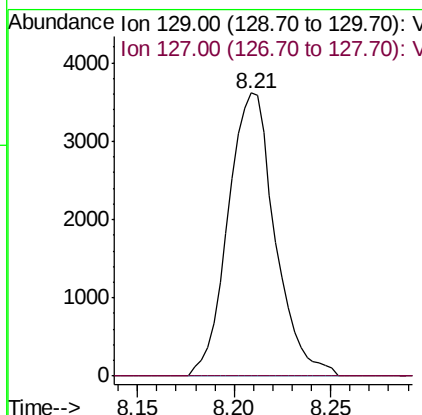
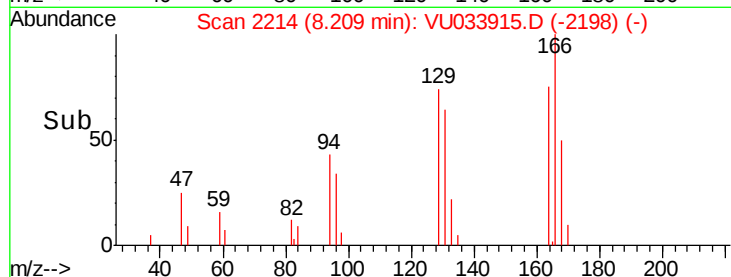
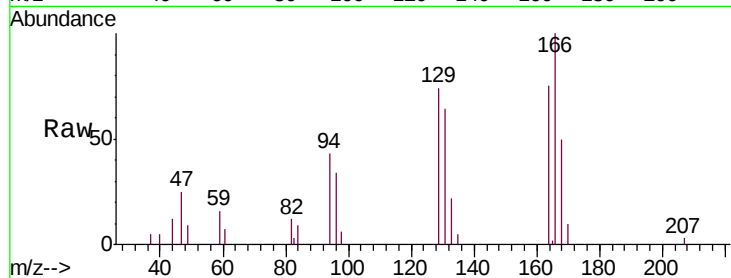




#49
 Dibromochloromethane
 Concen: 1.278 ug/L
 RT: 8.21 min Scan# 2214
 Delta R.T. -0.25 min
 Lab File: VU033915.D
 Acq: 22 Aug 2019 21:29

Instrument :
 MSVOA_U
 ClientSampleId :
 F2C00DL

Tgt Ion: 129 Resp: 6103
 Ion Ratio Lower Upper
 129 100
 127 0.0 54.5 101.3#



#59
 1,2,3-Trichloropropane
 Concen: 4.917 ug/L
 RT: 11.47 min Scan# 3227
 Delta R.T. 0.99 min
 Lab File: VU033915.D
 Acq: 22 Aug 2019 21:29

Tgt Ion: 75 Resp: 29474
 Ion Ratio Lower Upper
 75 100
 77 36.3 25.8 38.8

