

Data File : VU031622.D
Acq On : 30 Apr 2019 05:51
Operator : JC/SP
Sample : K2593-11 50X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 55 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0X75

Quant Time: Apr 30 08:03:10 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Apr 30 04:50:11 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	651992	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	652881	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	241723	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	338646	62.06	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	124.12%
7) Chloroethane-d5	1.68	69	253956	60.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	120.44%
11) 1,1-Dichloroethene-d2	2.27	63	471674	43.41	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.82%
21) 2-Butanone-d5	4.19	46	605048	122.38	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	122.38%
24) Chloroform-d	4.64	84	538343	53.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.74%
26) 1,2-Dichloroethane-d4	5.31	65	373551	57.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	114.42%
32) Benzene-d6	5.34	84	1050313	52.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.78%
36) 1,2-Dichloropropane-d6	6.33	67	394207	55.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	111.78%
41) Toluene-d8	7.56	98	877225	50.24	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.48%
43) trans-1,3-Dichloropropene-	7.85	79	152941	50.51	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.02%
47) 2-Hexanone-d5	8.31	63	350220	114.72	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	114.72%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	474781	50.16	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.32%
64) 1,2-Dichlorobenzene-d4	11.85	152	262506	51.64	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.28%

Target Compounds

						Qvalue
9) Trichlorofluoromethane	1.88	101	1042739	112.787	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	3469	0.664	ug/L #	21
12) 1,1-Dichloroethene	2.27	96	5911	1.162	ug/L #	1
13) Acetone	2.35	43	2926	0.525	ug/L	92
16) Methylene chloride	2.70	84	69233	11.533	ug/L	95
17) trans-1,2-Dichloroethene	2.98	96	12277	2.316	ug/L	99
20) cis-1,2-Dichloroethene	4.22	96	100861	17.739	ug/L	86
25) Chloroform	4.67	83	21191	1.985	ug/L	99
27) 1,2-Dichloroethane	5.41	62	8378	0.966	ug/L	96
31) Carbon tetrachloride	5.13	117	9180	1.174	ug/L	100
40) 4-Methyl-2-pentanone	7.47	43	31795	3.033	ug/L	92
42) Toluene	7.63	91	230335	9.633	ug/L	99
44) trans-1,3-Dichloropropene	7.85	75	5956	0.729	ug/L	99
45) 1,1,2-Trichloroethane	8.07	97	15971	2.843	ug/L	92
46) Tetrachloroethene	8.22	164	289167	72.898	ug/L	96
48) 2-Hexanone	8.31	43	49639	5.854	ug/L #	78
52) Ethylbenzene	9.25	91	10487	0.423	ug/L	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU042919\
Quantitation Report (Not Reviewed)

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Quant Title : VOC Analysis
QLast Update : Tue Apr 30 04:50:11 2019
Response via : Initial Calibration

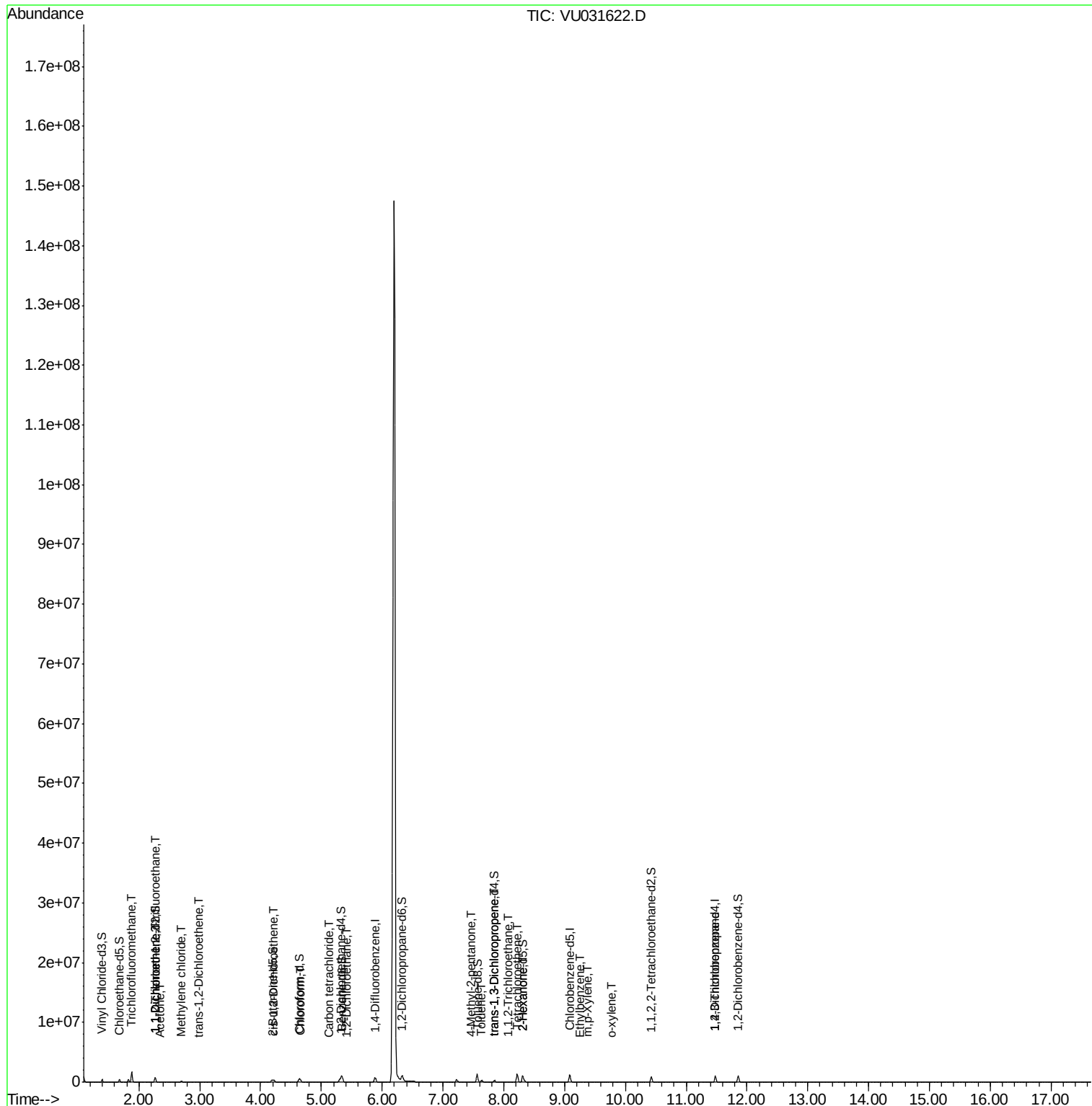
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
53) m,p-Xylene	9.37	106	16076	1.860	ug/L	93
54) o-xylene	9.78	106	7994	0.933	ug/L	95
59) 1,2,3-Trichloropropane	11.48	75	35693	4.418	ug/L	92

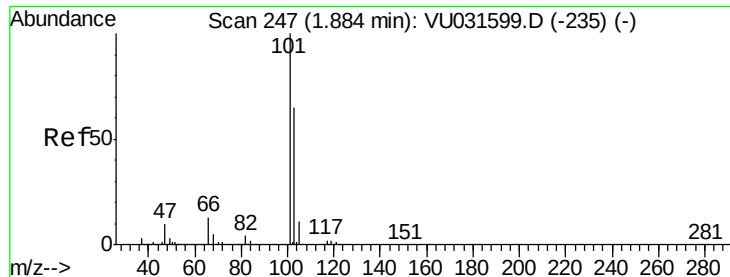
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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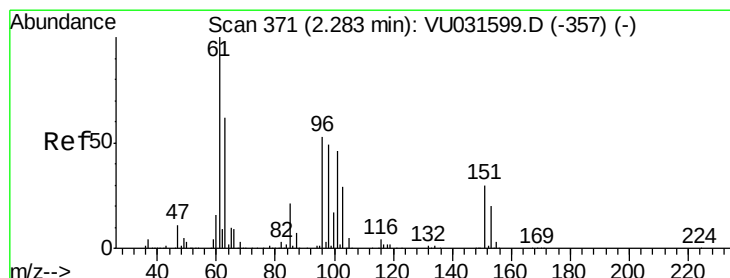
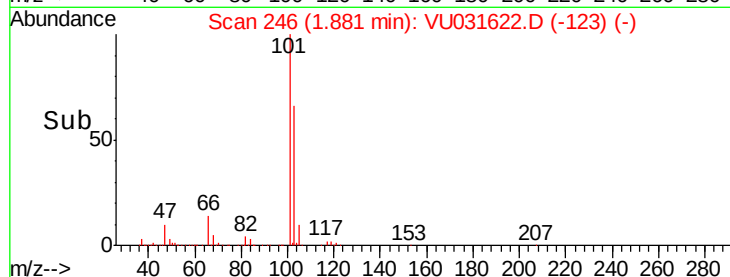
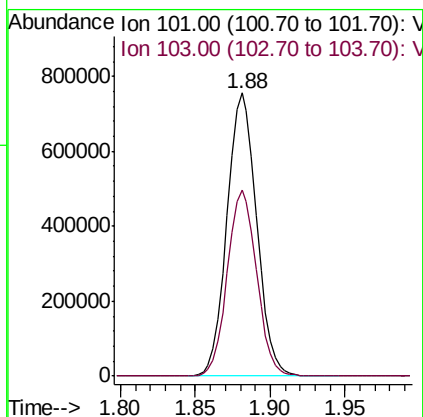
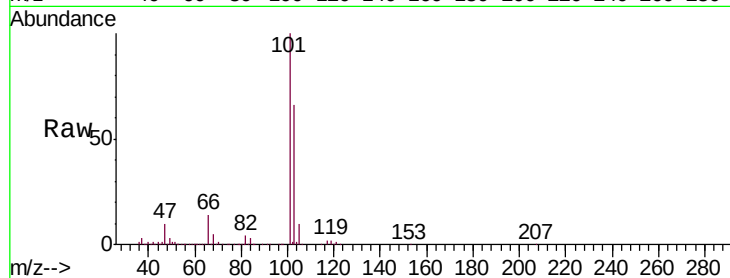


#9

Trichlorofluoromethane
 Concen: 112.787 ug/L
 RT: 1.88 min Scan# 246
 Delta R.T. -0.00 min
 Lab File: VU031622.D
 Acq: 30 Apr 2019 05:51

Instrument :
 MSVOA_U
 ClientSampleId :
 C0X75

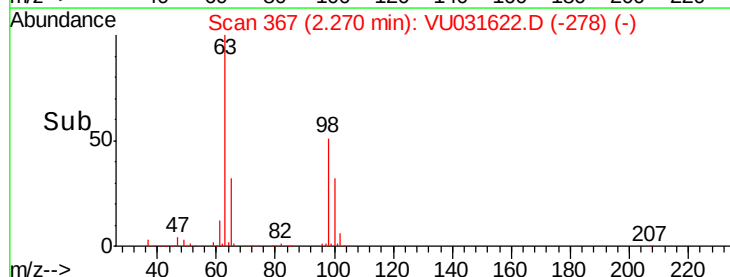
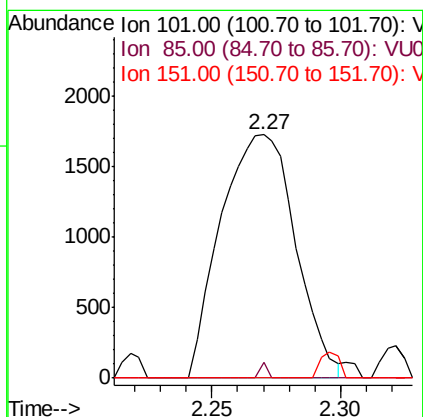
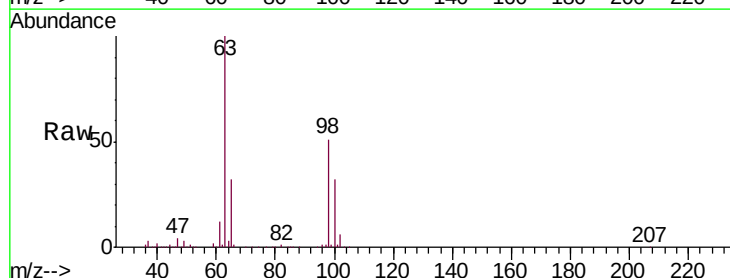
Tgt Ion:101 Resp: 1042739
 Ion Ratio Lower Upper
 101 100
 103 64.9 50.8 76.2

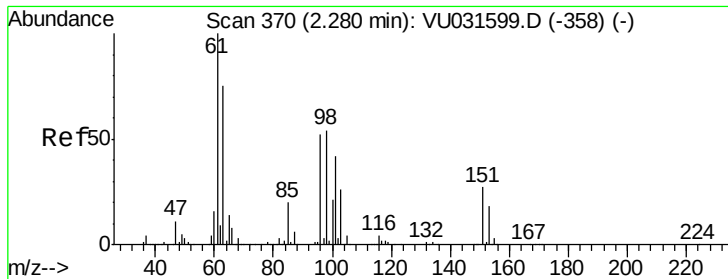


#10

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.664 ug/L
 RT: 2.27 min Scan# 367
 Delta R.T. -0.01 min
 Lab File: VU031622.D
 Acq: 30 Apr 2019 05:51

Tgt Ion:101 Resp: 3469
 Ion Ratio Lower Upper
 101 100
 85 0.0 36.1 54.1#
 151 0.0 56.1 84.1#

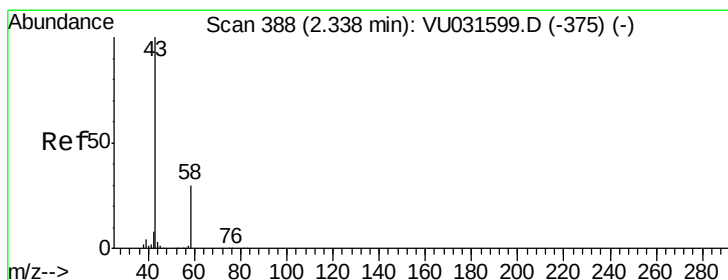
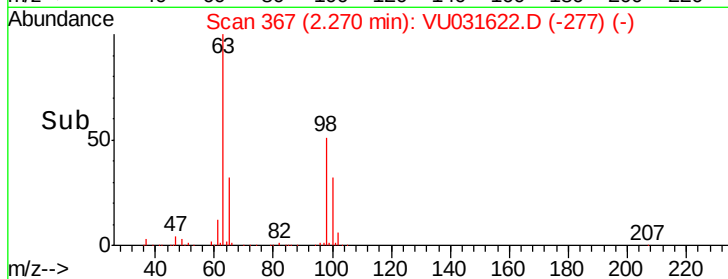
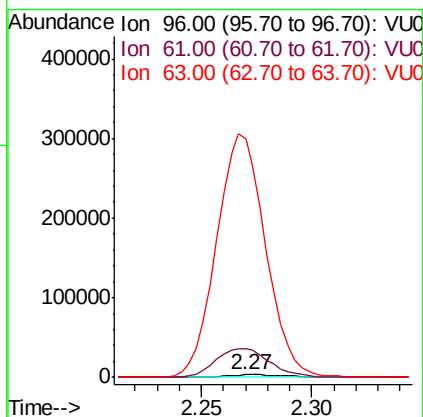
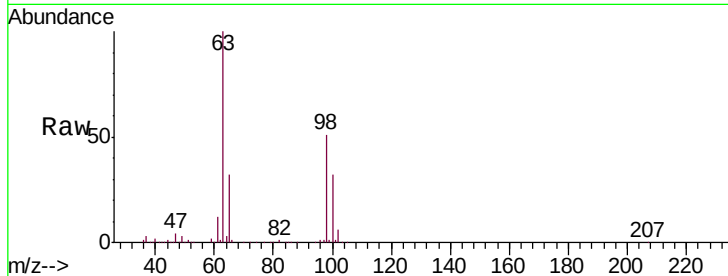




#12
 1,1-Dichloroethene
 Concen: 1.162 ug/L
 RT: 2.27 min Scan# 367
 Delta R.T. -0.01 min
 Lab File: VU031622.D
 Acq: 30 Apr 2019 05:51

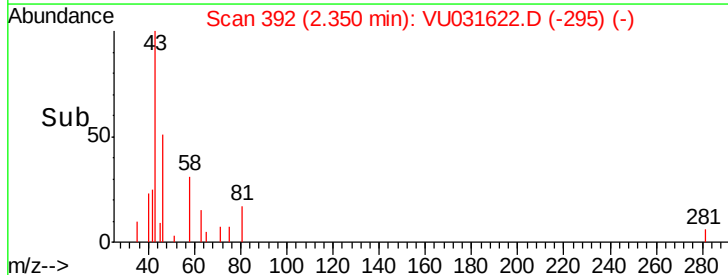
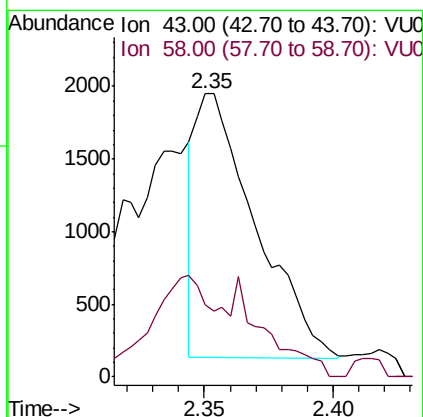
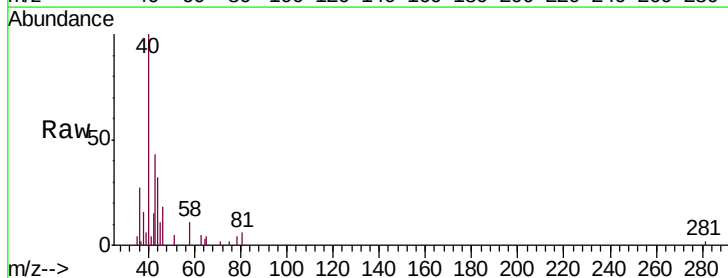
Instrument :
 MSVOA_U
 ClientSampleId :
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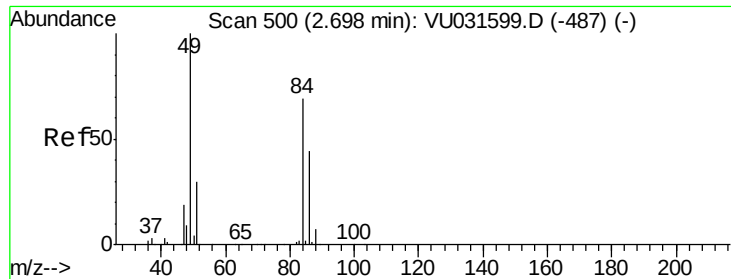
Tgt Ion: 96 Resp: 5911
 Ion Ratio Lower Upper
 96 100
 61 1112.8 135.0 250.6#
 63 9214.7 103.5 192.3#



#13
 Acetone
 Concen: 0.525 ug/L
 RT: 2.35 min Scan# 392
 Delta R.T. 0.01 min
 Lab File: VU031622.D
 Acq: 30 Apr 2019 05:51

Tgt Ion: 43 Resp: 2926
 Ion Ratio Lower Upper
 43 100
 58 36.8 0.0 64.4

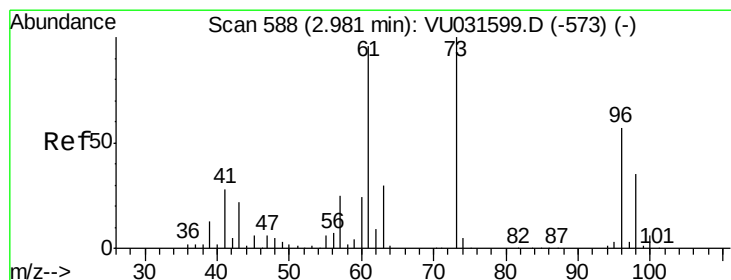
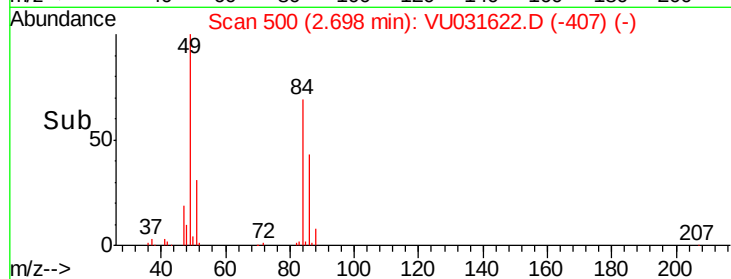
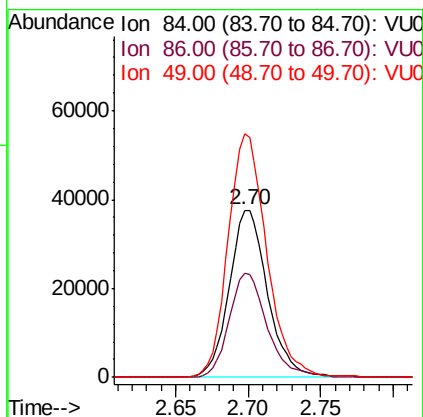
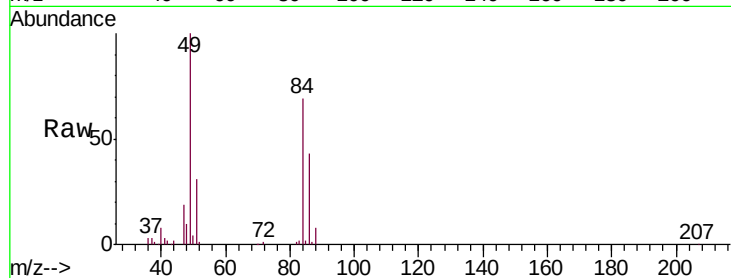




#16
Methylene chloride
Concen: 11.533 ug/L
RT: 2.70 min Scan# 500
Delta R.T. -0.00 min
Lab File: VU031622.D
Acq: 30 Apr 2019 05:51

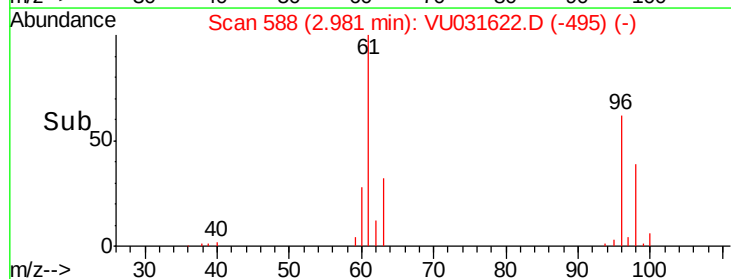
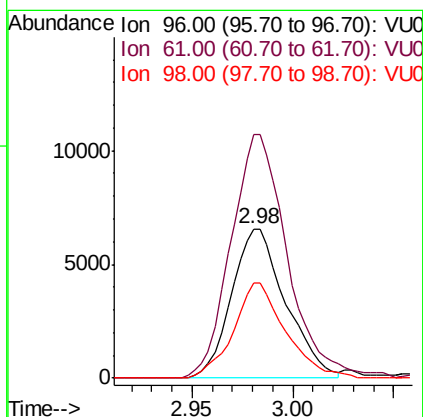
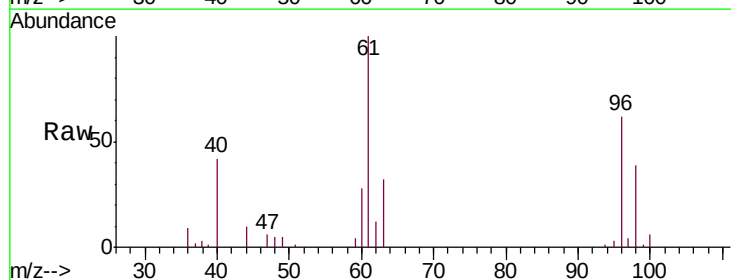
Instrument :
MSVOA_U
ClientSampled :
C0X75

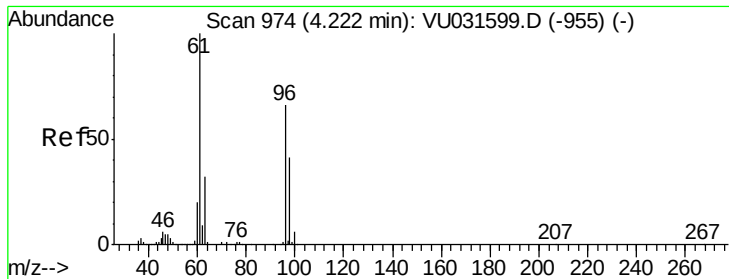
Tgt Ion: 84 Resp: 69233
Ion Ratio Lower Upper
84 100
86 62.4 44.7 83.1
49 146.0 96.5 179.3



#17
trans-1,2-Dichloroethene
Concen: 2.316 ug/L
RT: 2.98 min Scan# 588
Delta R.T. -0.00 min
Lab File: VU031622.D
Acq: 30 Apr 2019 05:51

Tgt Ion: 96 Resp: 12277
Ion Ratio Lower Upper
96 100
61 162.6 114.5 212.7
98 63.6 45.4 84.2



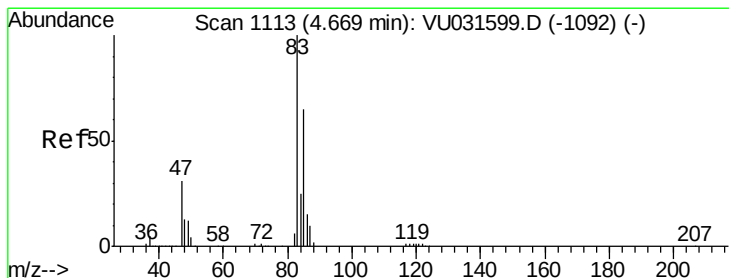
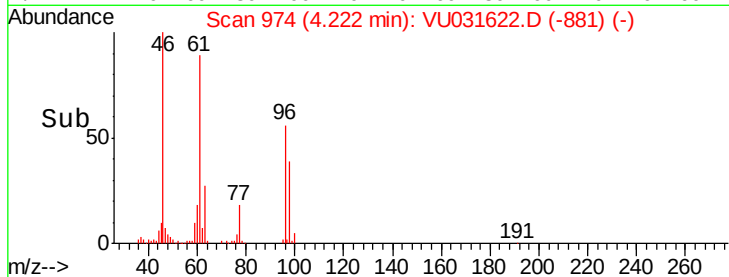
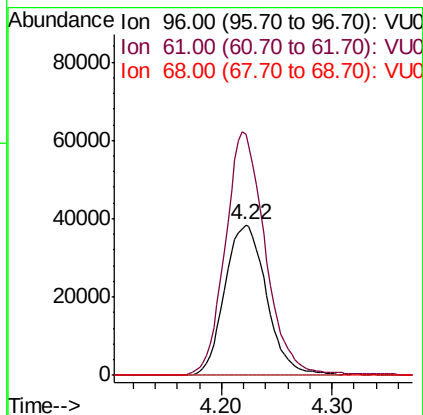
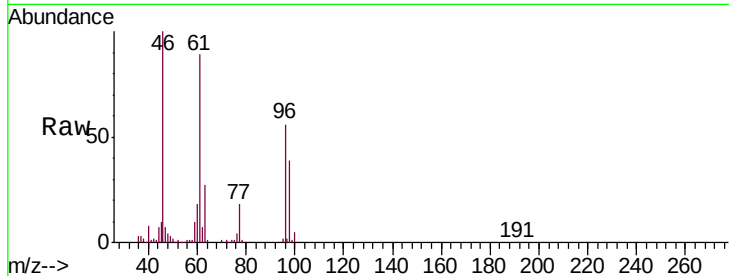


#20

cis-1,2-Dichloroethene
 Concen: 17.739 ug/L
 RT: 4.22 min Scan# 974
 Delta R.T. -0.00 min
 Lab File: VU031622.D
 Acq: 30 Apr 2019 05:51

Instrument :
 MSVOA_U
 ClientSampleId :
 C0X75

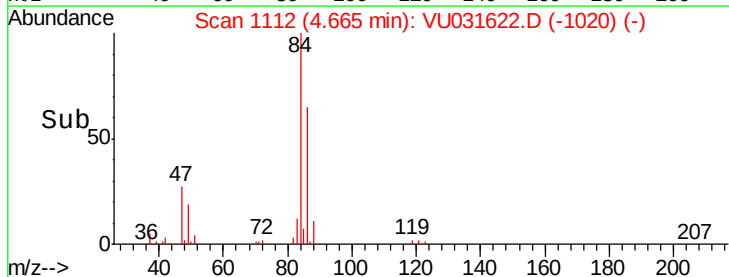
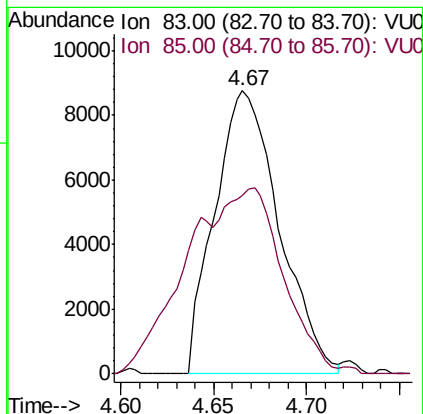
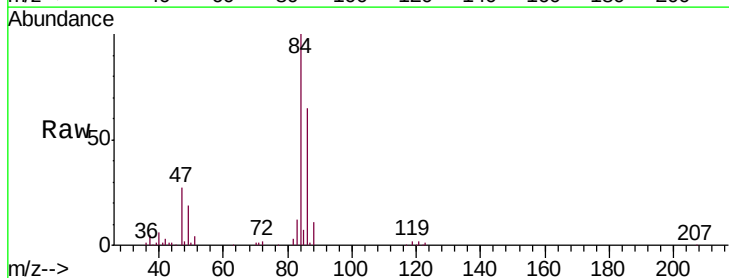
Tgt Ion: 96 Resp: 100861
 Ion Ratio Lower Upper
 96 100
 61 159.7 99.5 184.7
 68 0.0 0.0 0.0

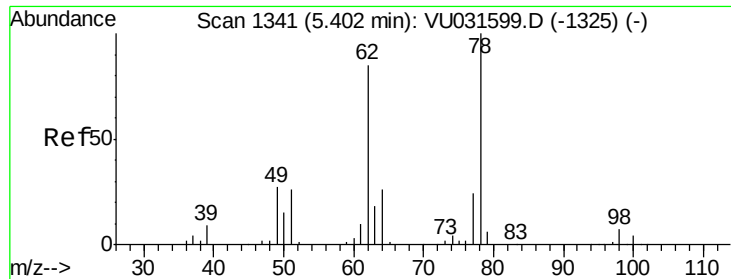


#25

Chloroform
 Concen: 1.985 ug/L
 RT: 4.67 min Scan# 1112
 Delta R.T. -0.00 min
 Lab File: VU031622.D
 Acq: 30 Apr 2019 05:51

Tgt Ion: 83 Resp: 21191
 Ion Ratio Lower Upper
 83 100
 85 63.1 44.9 83.3

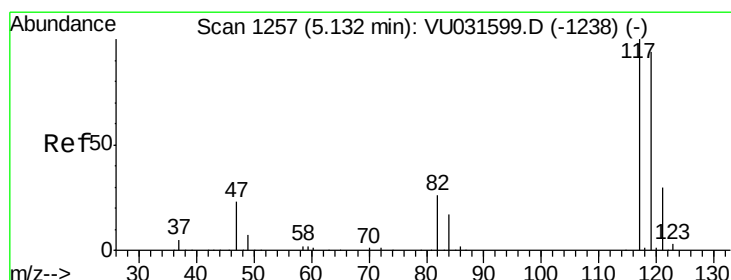
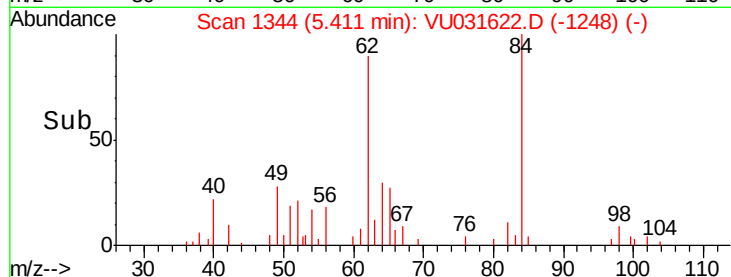
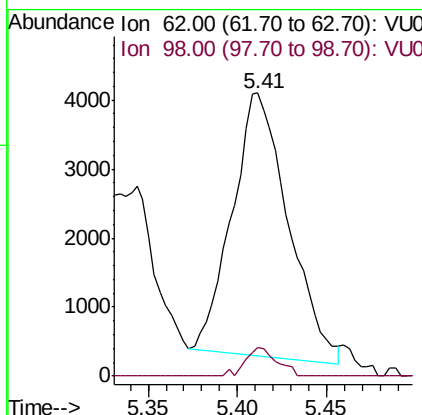
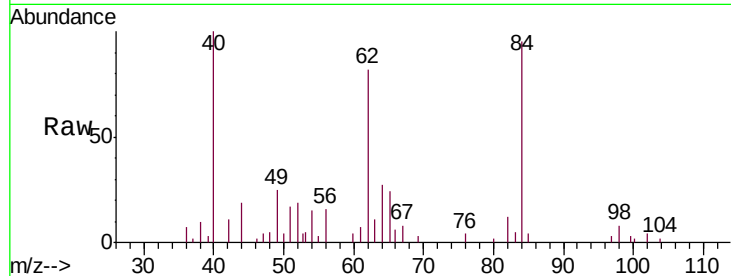




#27
 1,2-Dichloroethane
 Concen: 0.966 ug/L
 RT: 5.41 min Scan# 1344
 Delta R.T. 0.01 min
 Lab File: VU031622.D
 Acq: 30 Apr 2019 05:51

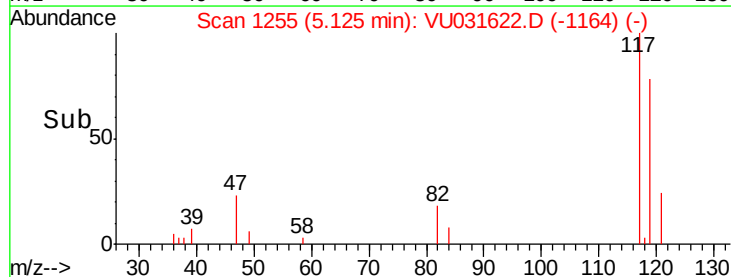
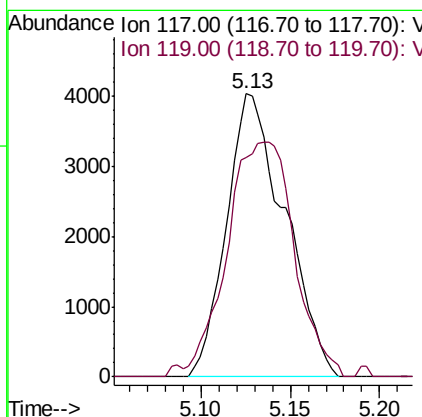
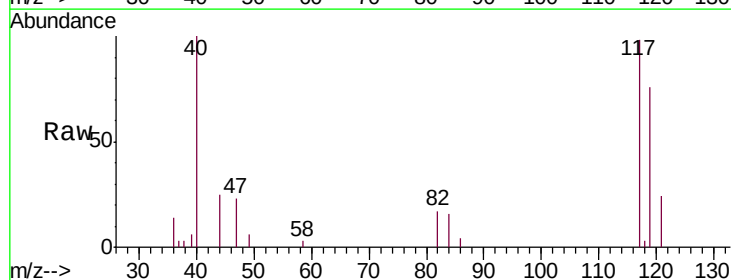
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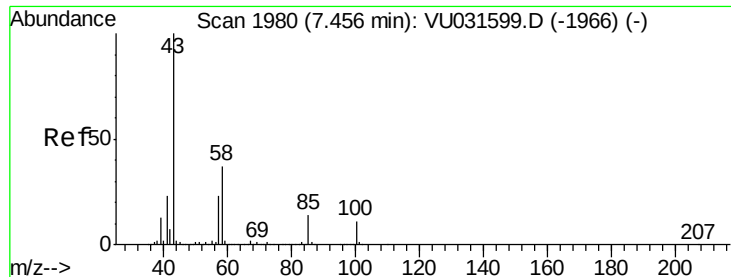
Tgt Ion: 62 Resp: 8378
 Ion Ratio Lower Upper
 62 100
 98 10.3 7.1 10.7



#31
 Carbon tetrachloride
 Concen: 1.174 ug/L
 RT: 5.13 min Scan# 1255
 Delta R.T. -0.01 min
 Lab File: VU031622.D
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Tgt Ion: 117 Resp: 9180
 Ion Ratio Lower Upper
 117 100
 119 95.5 76.6 114.8

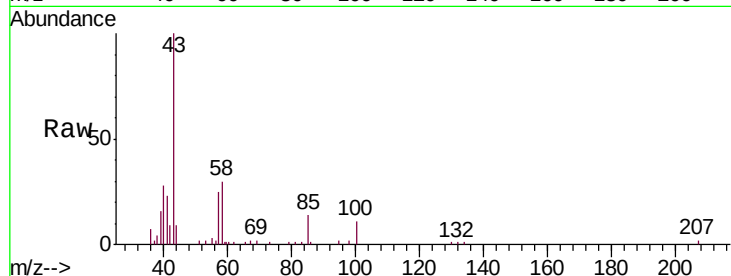




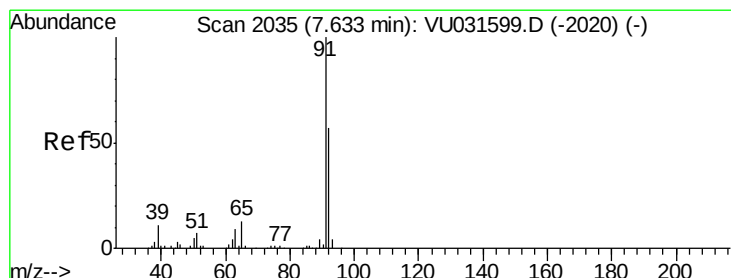
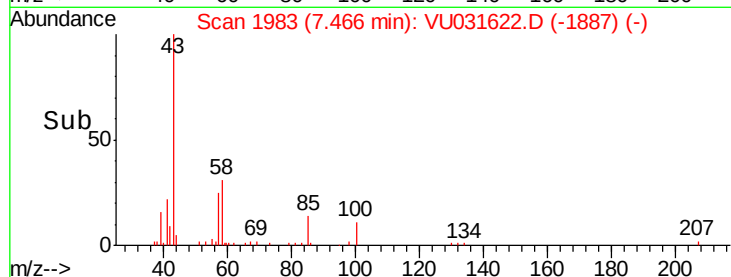
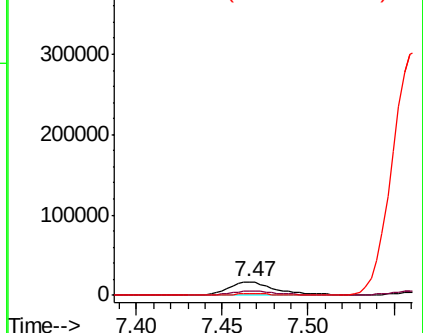
#40
 4-Methyl-2-pentanone
 Concen: 3.033 ug/L
 RT: 7.47 min Scan# 1983
 Delta R.T. 0.01 min
 Lab File: VU031622.D
 Acq: 30 Apr 2019 05:51

Instrument :
 MSVOA_U
 ClientSampleId :
 C0X75

Tgt Ion: 43 Resp: 31795
 Ion Ratio Lower Upper
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 58 32.2 30.1 45.1
 100 10.0 9.6 14.4

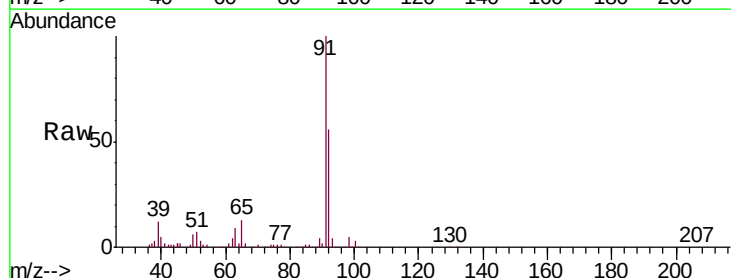


Abundance Ion 43.00 (42.70 to 43.70): VU0
 Ion 58.00 (57.70 to 58.70): VU0
 Ion 100.00 (99.70 to 100.70): VU0

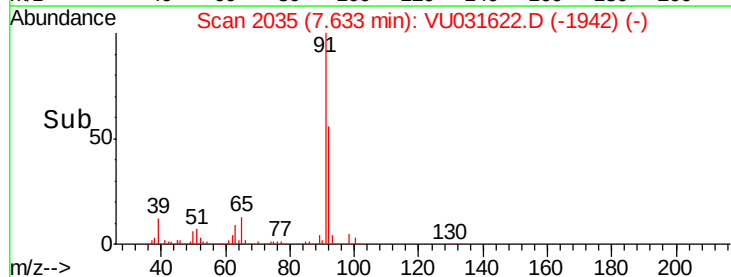
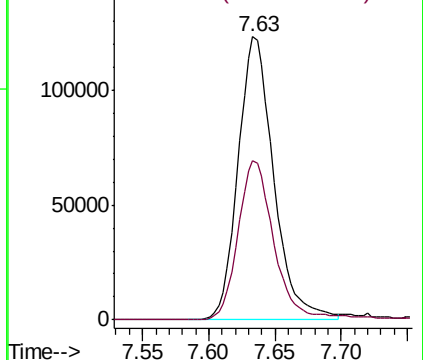


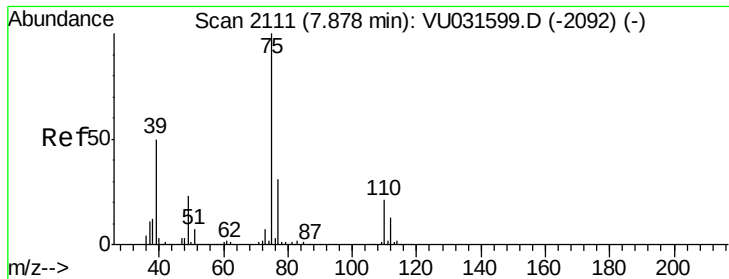
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 Toluene
 Concen: 9.633 ug/L
 RT: 7.63 min Scan# 2035
 Delta R.T. -0.00 min
 Lab File: VU031622.D
 Acq: 30 Apr 2019 05:51

Tgt Ion: 91 Resp: 230335
 Ion Ratio Lower Upper
 91 100
 92 56.3 39.0 72.4



Abundance Ion 91.00 (90.70 to 91.70): VU0
 Ion 92.00 (91.70 to 92.70): VU0

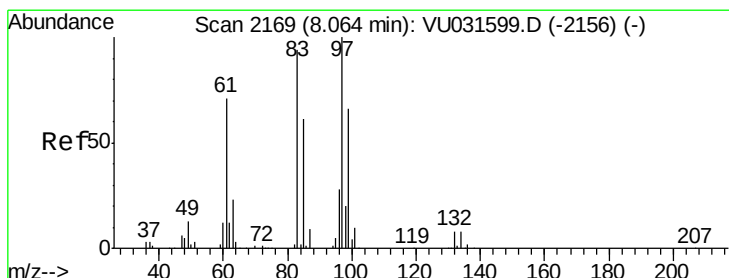
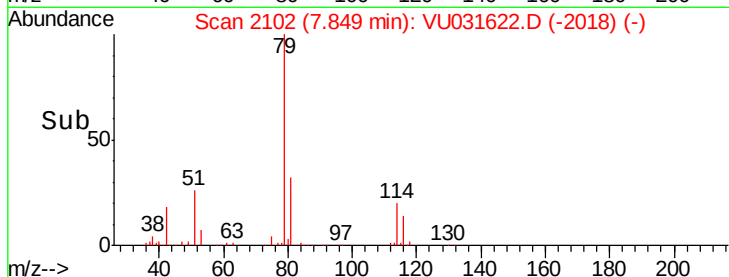
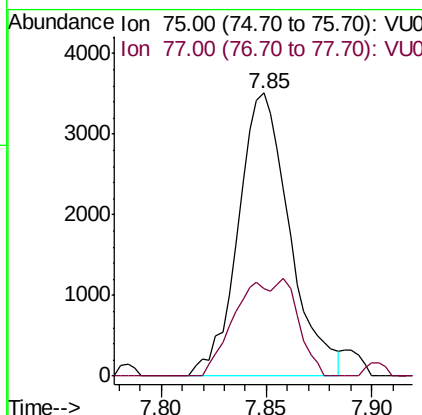
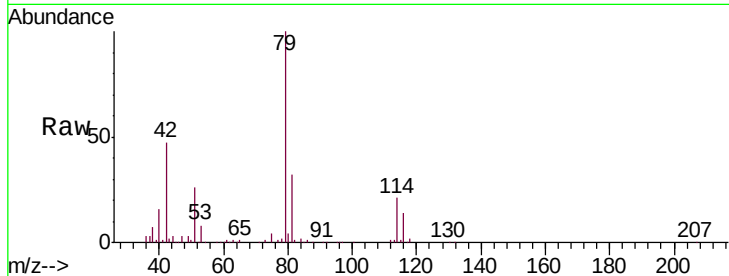




#44
 trans-1,3-Dichloropropene
 Concen: 0.729 ug/L
 RT: 7.85 min Scan# 2102
 Delta R.T. -0.03 min
 Lab File: VU031622.D
 Acq: 30 Apr 2019 05:51

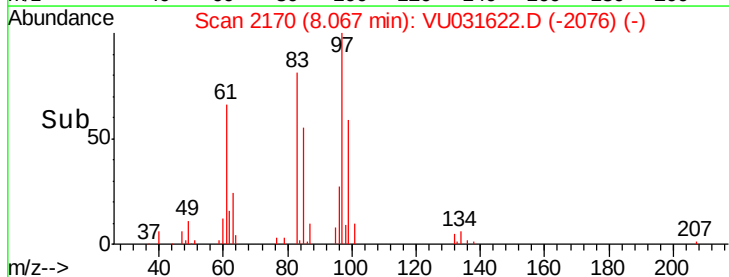
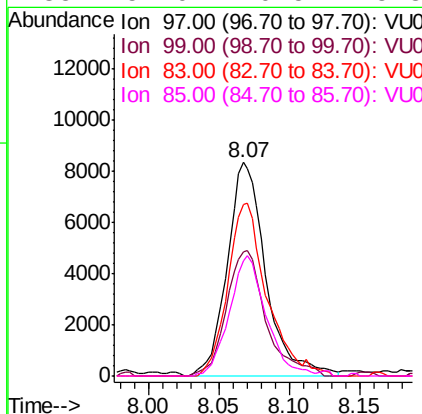
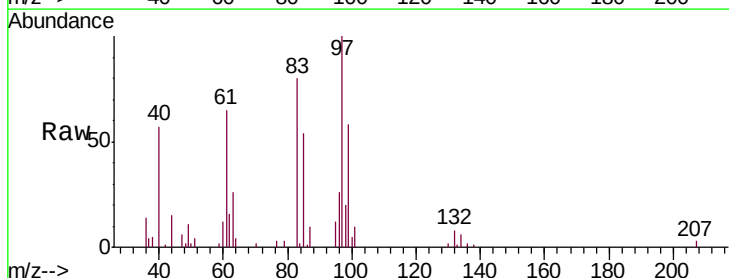
Instrument :
 MSVOA_U
 ClientSampleId :
 C0X75

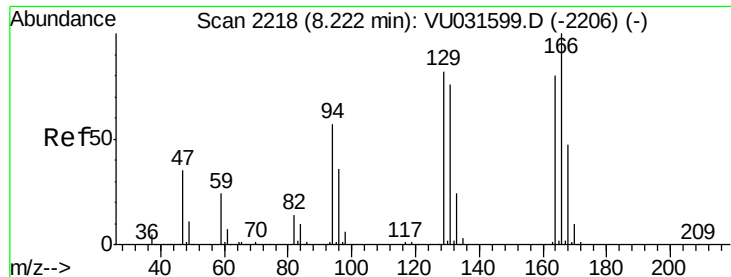
Tgt Ion: 75 Resp: 5956
 Ion Ratio Lower Upper
 75 100
 77 30.9 22.1 41.1



#45
 1,1,2-Trichloroethane
 Concen: 2.843 ug/L
 RT: 8.07 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VU031622.D
 Acq: 30 Apr 2019 05:51

Tgt Ion: 97 Resp: 15971
 Ion Ratio Lower Upper
 97 100
 99 57.9 43.0 80.0
 83 80.1 63.6 118.2
 85 54.0 40.5 75.3

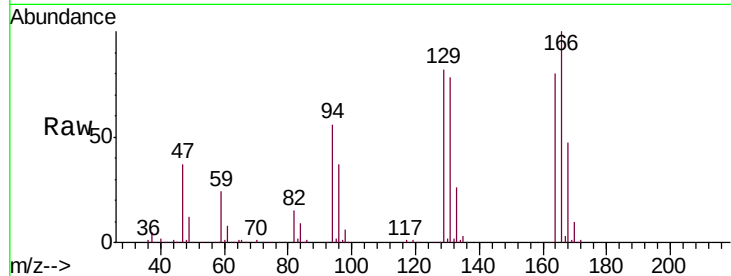




#46
Tetrachloroethene
Concen: 72.898 ug/L
RT: 8.22 min Scan# 2218
Delta R.T. -0.00 min
Lab File: VU031622.D
Acq: 30 Apr 2019 05:51

Instrument :
MSVOA_U
ClientSampleId :
C0X75

Tgt Ion	Ratio	Lower	Upper
164	100		
129	102.2	71.5	132.9
131	96.9	69.0	128.2
166	124.3	93.7	173.9



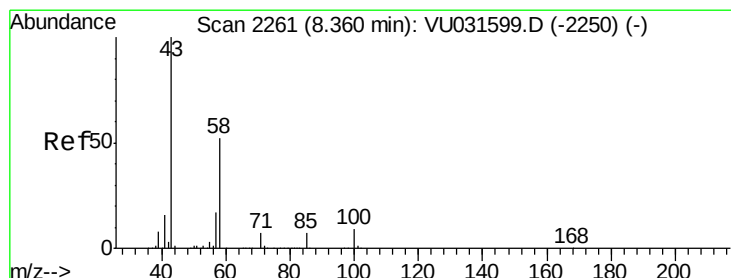
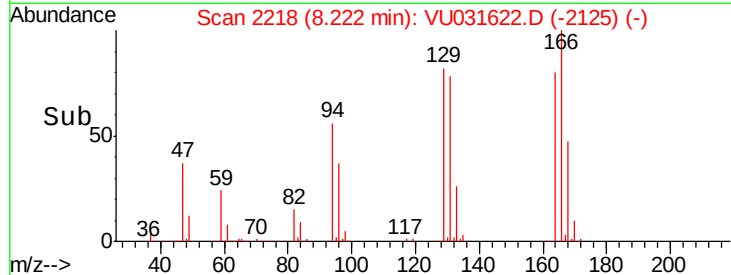
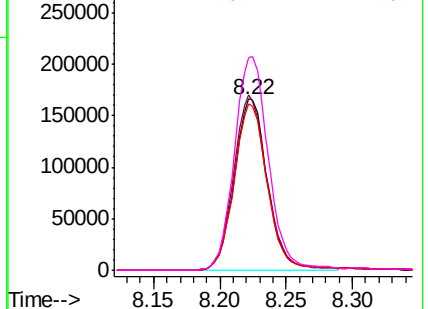
Abundance

Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

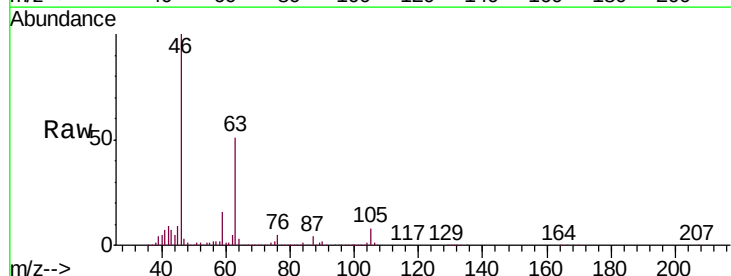
Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#48
2-Hexanone
Concen: 5.854 ug/L
RT: 8.31 min Scan# 2246
Delta R.T. -0.05 min
Lab File: VU031622.D
Acq: 30 Apr 2019 05:51

Tgt Ion	Ratio	Lower	Upper
43	100		
58	34.3	42.1	63.1#
57	12.9	14.6	22.0#
100	0.4	7.2	10.8#



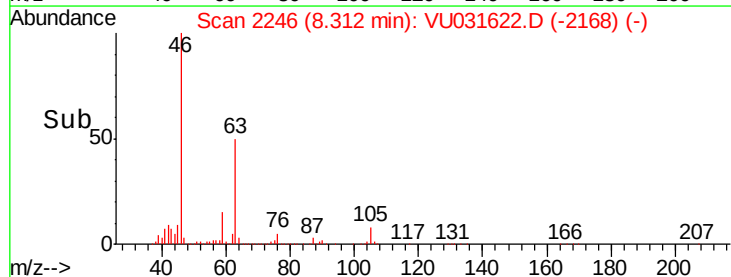
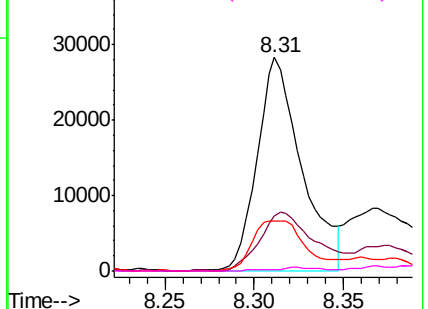
Abundance

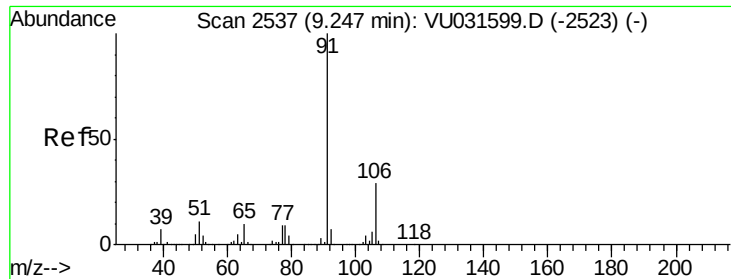
Ion 43.00 (42.70 to 43.70): VU0

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





#52

Ethylbenzene

Concen: 0.423 ug/L

RT: 9.25 min Scan# 2538

Delta R.T. 0.00 min

Lab File: VU031622.D

Acq: 30 Apr 2019 05:51

Instrument :

MSVOA_U

ClientSampleId :

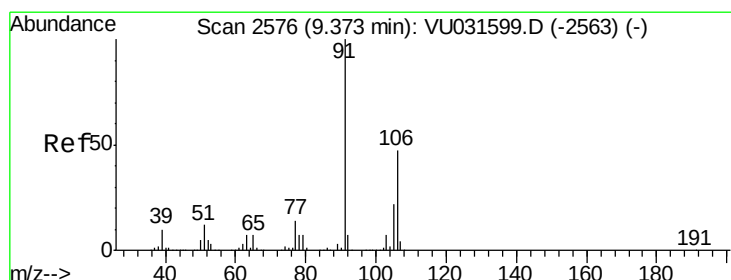
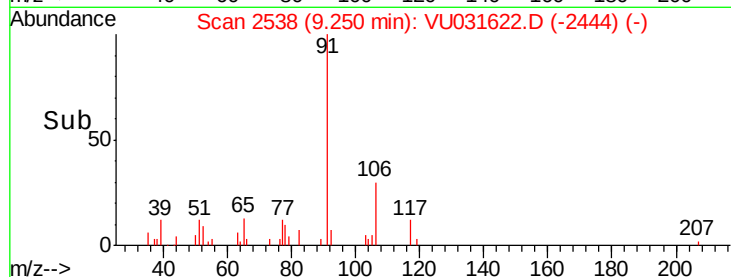
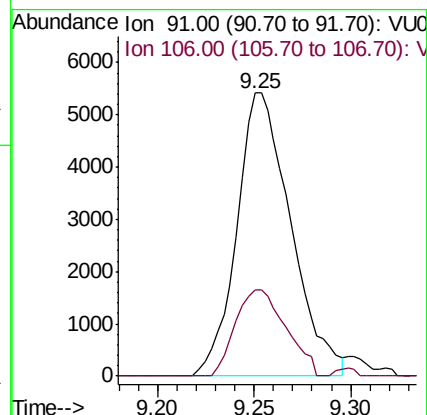
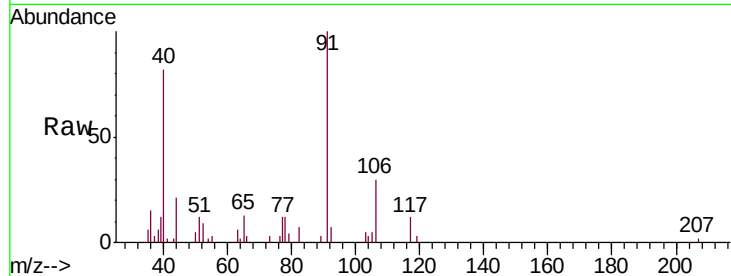
C0X75

Tgt Ion: 91 Resp: 10487

Ion Ratio Lower Upper

91 100

106 30.3 20.4 37.8



#53

m,p-Xylene

Concen: 1.860 ug/L

RT: 9.37 min Scan# 2576

Delta R.T. -0.00 min

Lab File: VU031622.D

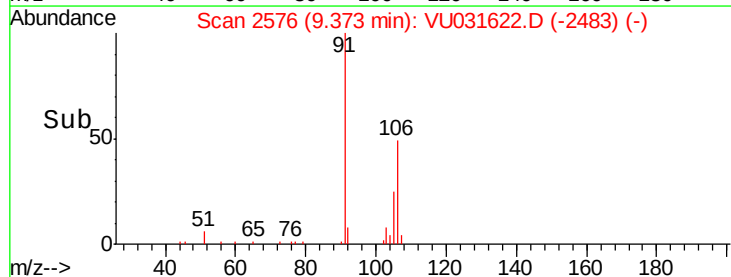
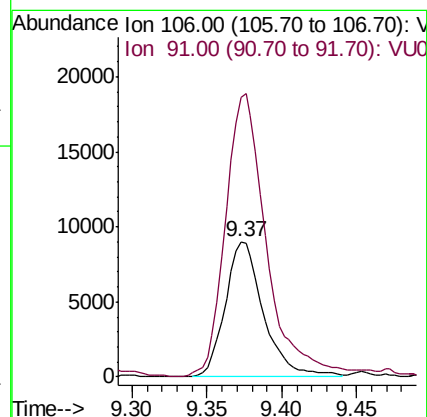
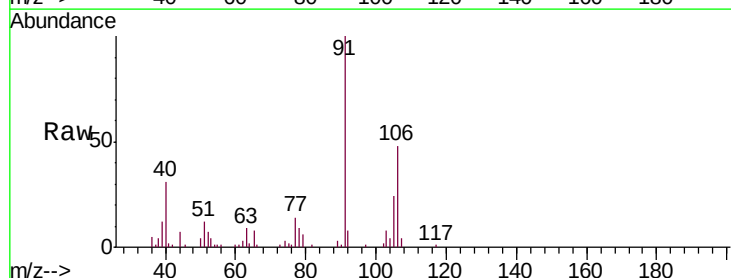
Acq: 30 Apr 2019 05:51

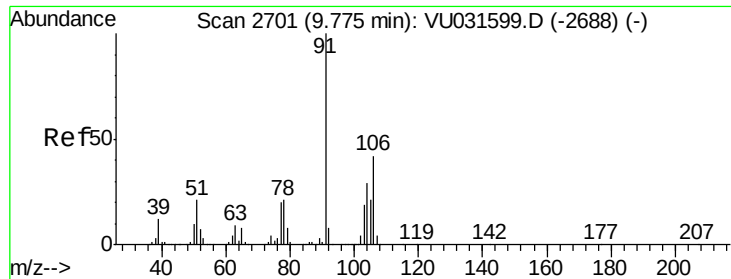
Tgt Ion: 106 Resp: 16076

Ion Ratio Lower Upper

106 100

91 206.9 152.2 282.6

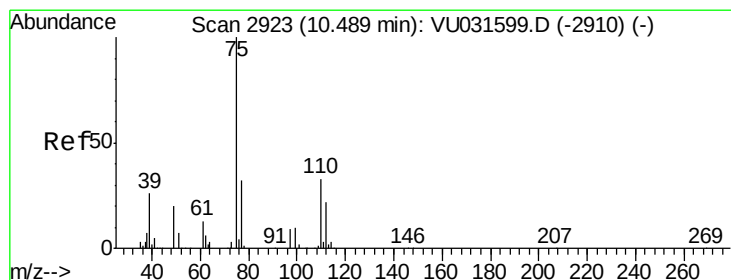
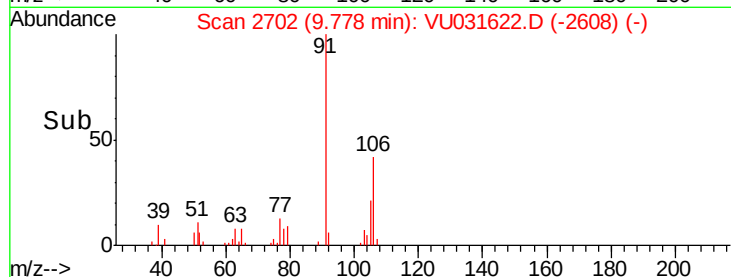
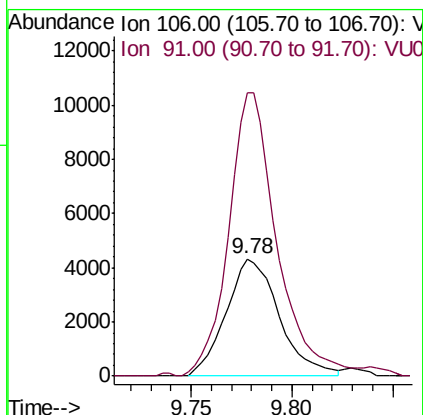
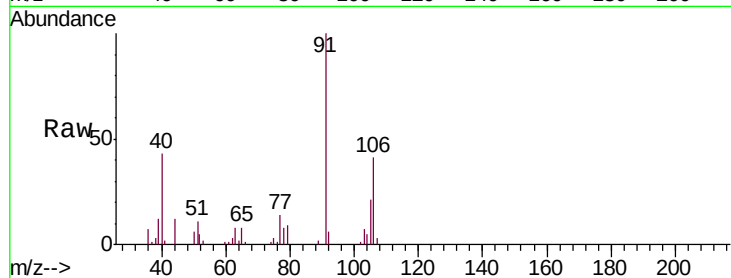




#54
o-xylene
Concen: 0.933 ug/L
RT: 9.78 min Scan# 2702
Delta R.T. 0.00 min
Lab File: VU031622.D
Acq: 30 Apr 2019 05:51

Instrument :
MSVOA_U
ClientSampleId :
C0X75

Tgt Ion: 106 Resp: 7994
Ion Ratio Lower Upper
106 100
91 241.6 163.2 303.2



#59
1,2,3-Trichloropropane
Concen: 4.418 ug/L
RT: 11.48 min Scan# 3231
Delta R.T. 0.99 min
Lab File: VU031622.D
Acq: 30 Apr 2019 05:51

Tgt Ion: 75 Resp: 35693
Ion Ratio Lower Upper
75 100
77 37.1 25.9 38.9

