

Data File : VU031561.D
Acq On : 27 Apr 2019 03:22
Operator : JC/SP
Sample : K2592-14 50X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 46 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0X77

Quant Time: Apr 27 04:32:11 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Apr 27 03:26:56 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	873653	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	807993	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	311411	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	373398	51.07	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	102.14%
7) Chloroethane-d5	1.68	69	290796	51.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	102.92%
11) 1,1-Dichloroethene-d2	2.27	63	533628	36.65	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	73.30%
21) 2-Butanone-d5	4.18	46	699676	105.61	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	105.61%
24) Chloroform-d	4.64	84	625845	46.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.48%
26) 1,2-Dichloroethane-d4	5.31	65	418527	47.84	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.68%
32) Benzene-d6	5.34	84	1280808	51.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.24%
36) 1,2-Dichloropropane-d6	6.32	67	449797	51.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	103.06%
41) Toluene-d8	7.56	98	1096056	50.72	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.44%
43) trans-1,3-Dichloropropene-	7.85	79	180331	48.13	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.26%
47) 2-Hexanone-d5	8.31	63	440771	116.66	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	116.66%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	569529	48.62	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.24%
64) 1,2-Dichlorobenzene-d4	11.86	152	349907	53.43	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.86%

Target Compounds

					Qvalue
9) Trichlorofluoromethane	1.88	101	486720	39.289 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	4894	0.699 ug/L #	22
12) 1,1-Dichloroethene	2.27	96	4056	0.595 ug/L #	1
20) cis-1,2-Dichloroethene	4.22	96	10534	1.383 ug/L	98
31) Carbon tetrachloride	5.13	117	15007	1.551 ug/L	90
42) Toluene	7.64	91	38938	1.316 ug/L	99
44) trans-1,3-Dichloropropene	7.85	75	6940	0.687 ug/L	83
46) Tetrachloroethene	8.22	164	512502	104.397 ug/L	97
48) 2-Hexanone	8.31	43	54191	5.164 ug/L #	77
53) m,p-Xylene	9.37	106	13420	1.255 ug/L	89
54) o-xylene	9.78	106	9229	0.870 ug/L	94
59) 1,2,3-Trichloropropane	11.48	75	41318	4.132 ug/L	94

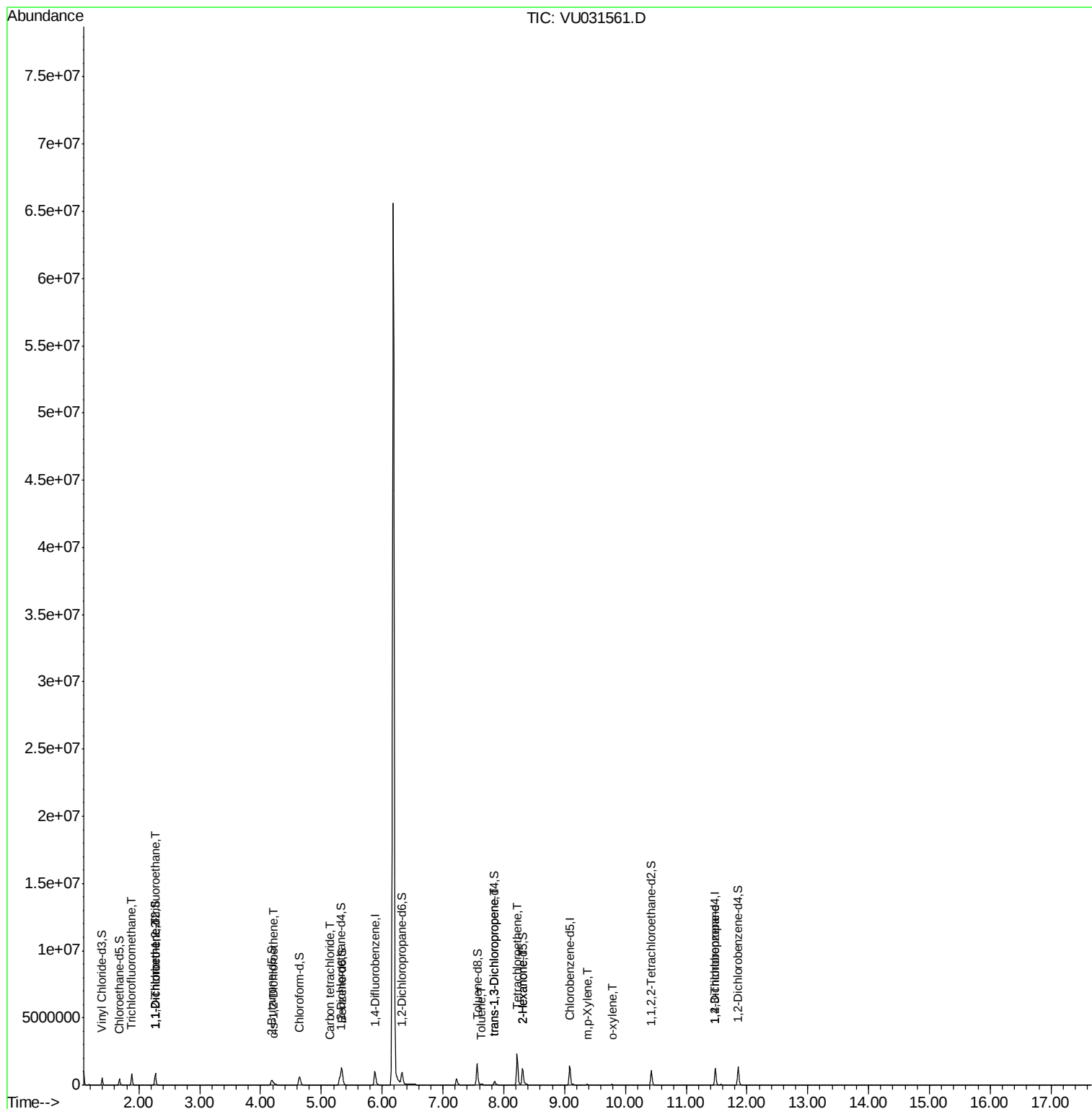
(#) = qualifier out of range (m) = manual integration (+) = signals summed

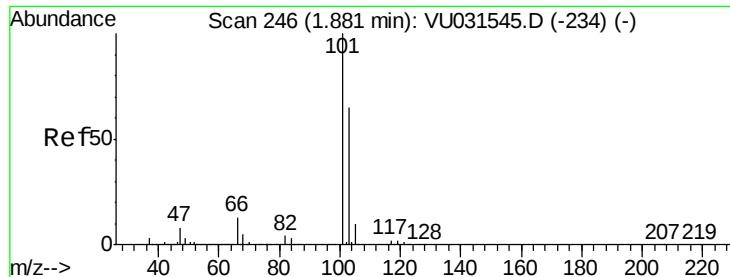
Data File : VU031561.D

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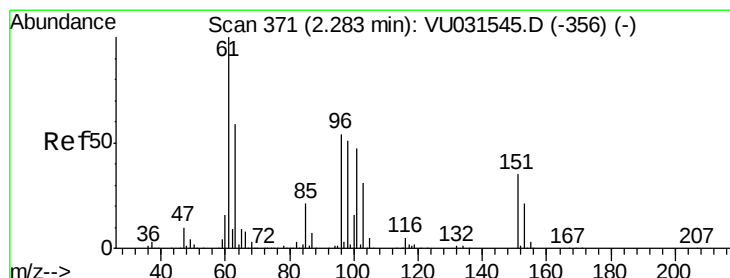
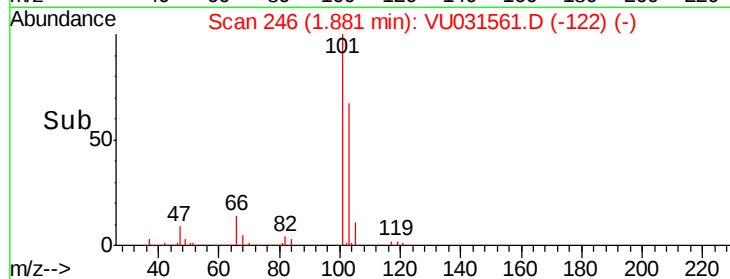
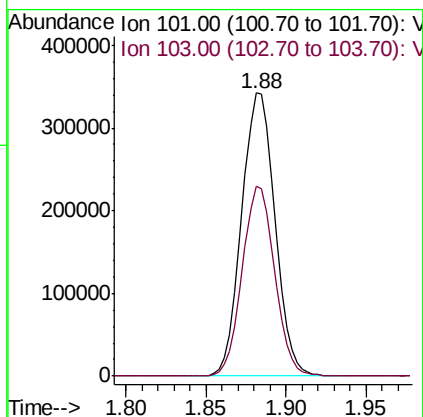
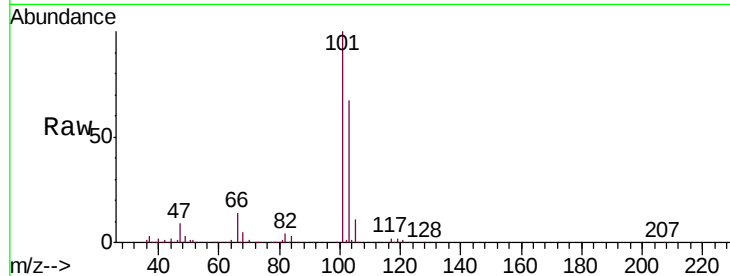


#9

Trichlorofluoromethane
 Concen: 39.289 ug/L
 RT: 1.88 min Scan# 246
 Delta R.T. -0.00 min
 Lab File: VU031561.D
 Acq: 27 Apr 2019 03:22

Instrument :
 MSVOA_U
 ClientSampleId :
 C0X77

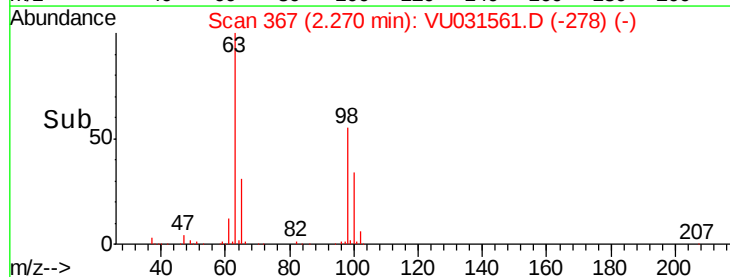
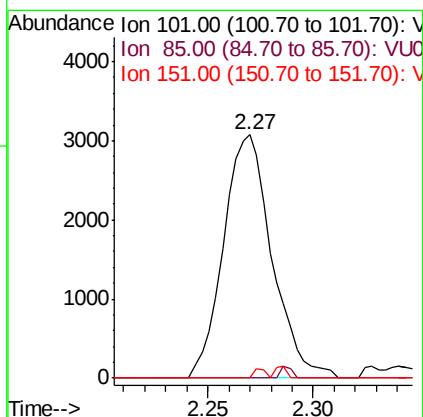
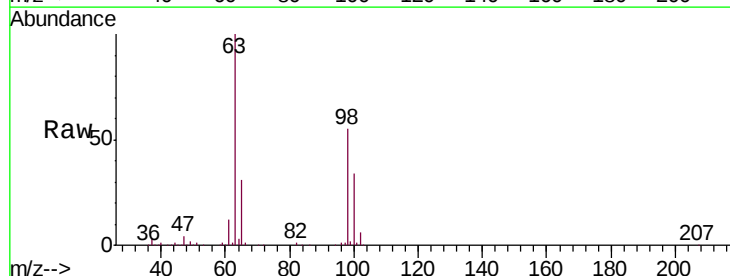
Tgt Ion:101 Resp: 486720
 Ion Ratio Lower Upper
 101 100
 103 65.1 50.8 76.2

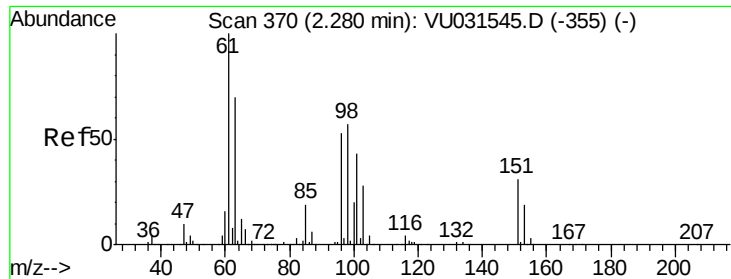


#10

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.699 ug/L
 RT: 2.27 min Scan# 367
 Delta R.T. -0.01 min
 Lab File: VU031561.D
 Acq: 27 Apr 2019 03:22

Tgt Ion:101 Resp: 4894
 Ion Ratio Lower Upper
 101 100
 85 0.0 36.1 54.1#
 151 0.9 56.1 84.1#





#12

1,1-Dichloroethene

Concen: 0.595 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

Lab File: VU031561.D

Acq: 27 Apr 2019 03:22

Instrument :

MSVOA_U

ClientSampled :

C0X77

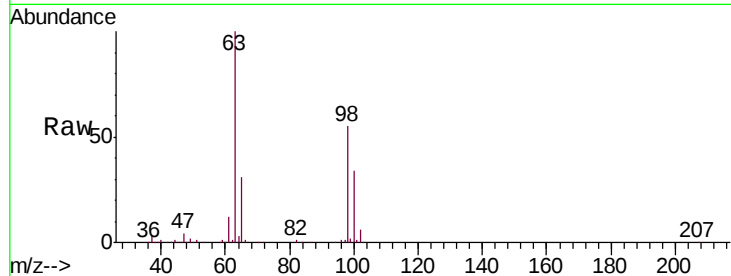
Tgt Ion: 96 Resp: 4056

Ion Ratio Lower Upper

96 100

61 1580.9 135.0 250.6#

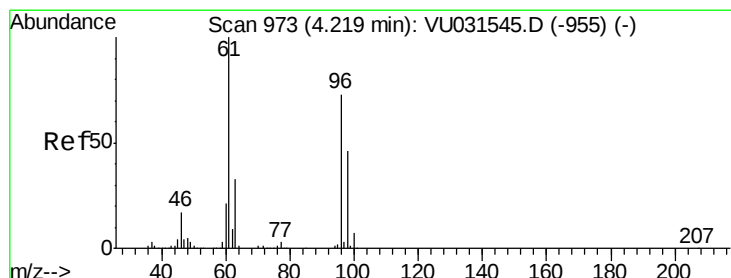
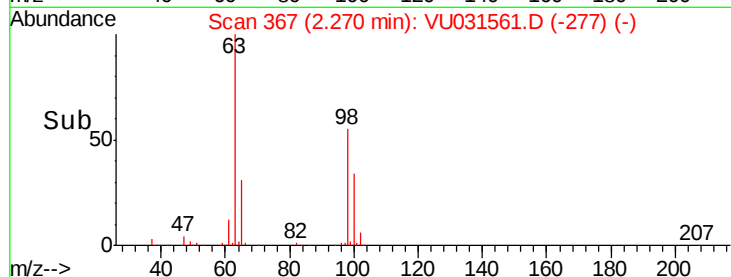
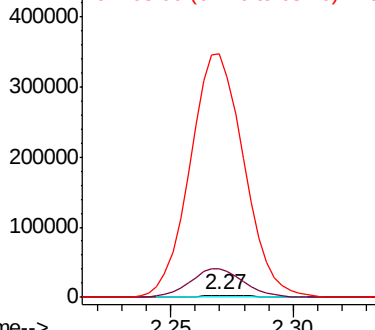
63 13374.6 103.5 192.3#



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0



#20

cis-1,2-Dichloroethene

Concen: 1.383 ug/L

RT: 4.22 min Scan# 974

Delta R.T. 0.00 min

Lab File: VU031561.D

Acq: 27 Apr 2019 03:22

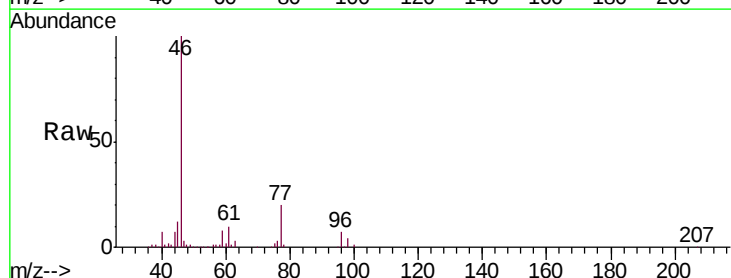
Tgt Ion: 96 Resp: 10534

Ion Ratio Lower Upper

96 100

61 139.5 99.5 184.7

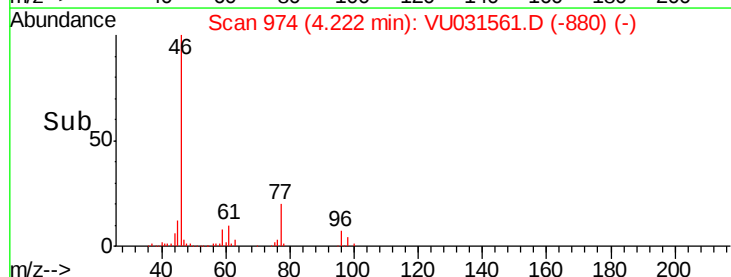
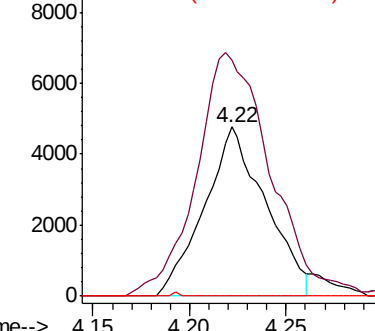
68 0.0 0.0 0.0

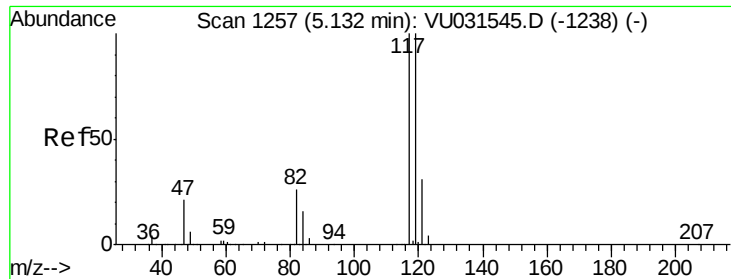


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 68.00 (67.70 to 68.70): VU0

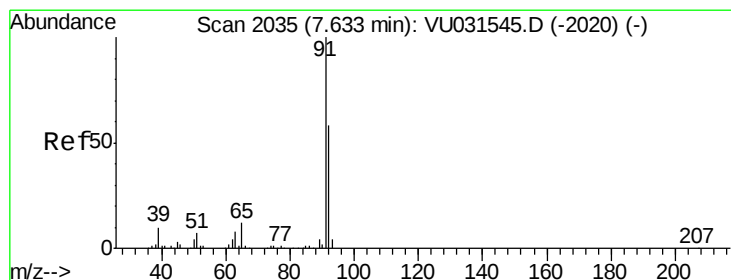
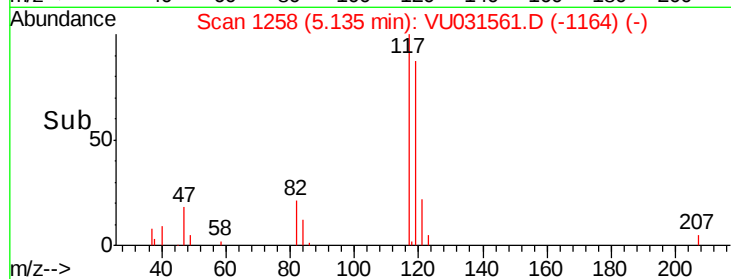
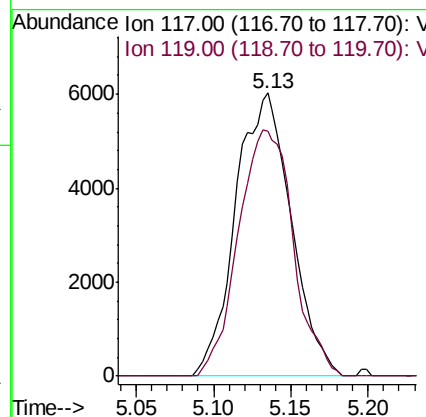
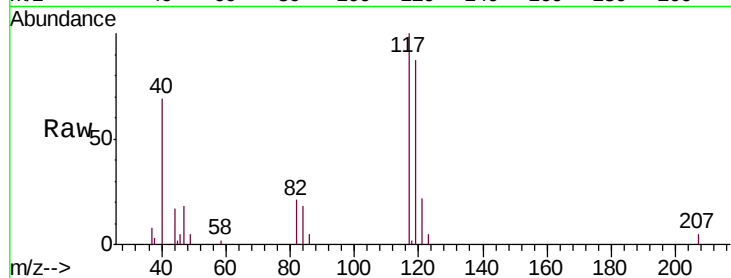




#31
Carbon tetrachloride
Concen: 1.551 ug/L
RT: 5.13 min Scan# 1258
Delta R.T. 0.00 min
Lab File: VU031561.D
Acq: 27 Apr 2019 03:22

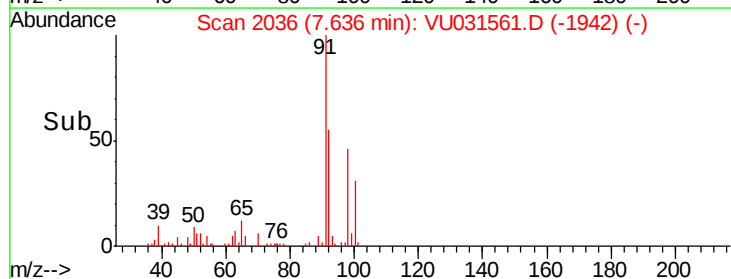
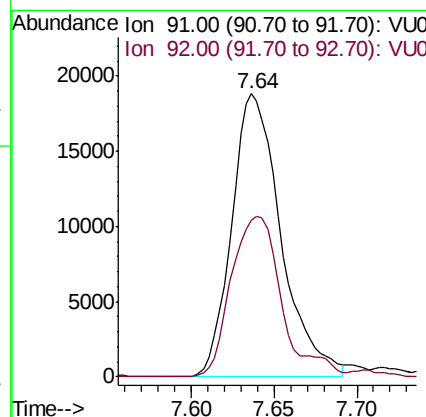
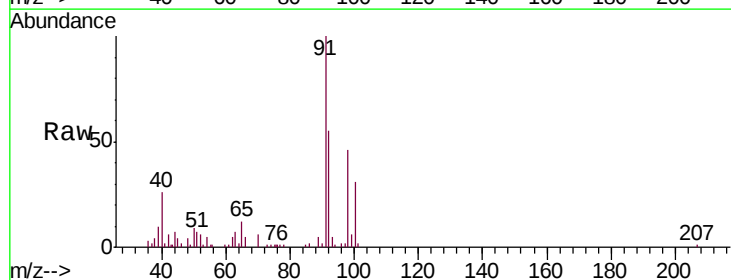
Instrument :
MSVOA_U
ClientSampleId :
C0X77

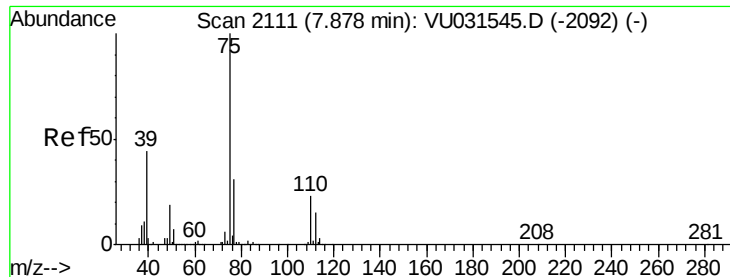
Tgt Ion: 117 Resp: 15007
Ion Ratio Lower Upper
117 100
119 85.9 76.6 114.8



#42
Toluene
Concen: 1.316 ug/L
RT: 7.64 min Scan# 2036
Delta R.T. 0.00 min
Lab File: VU031561.D
Acq: 27 Apr 2019 03:22

Tgt Ion: 91 Resp: 38938
Ion Ratio Lower Upper
91 100
92 55.3 39.0 72.4





#44

trans-1,3-Dichloropropene

Concen: 0.687 ug/L

RT: 7.85 min Scan# 2102

Delta R.T. -0.03 min

Lab File: VU031561.D

Acq: 27 Apr 2019 03:22

Instrument :

MSVOA_U

ClientSampleId :

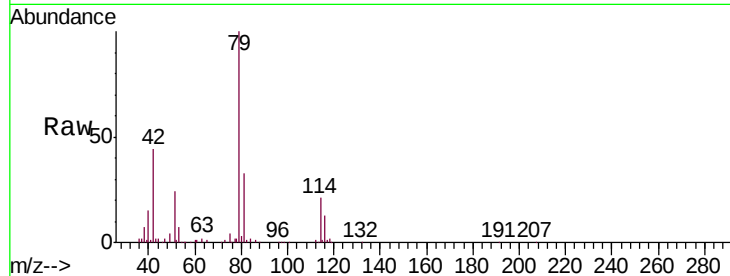
C0X77

Tgt Ion: 75 Resp: 6940

Ion Ratio Lower Upper

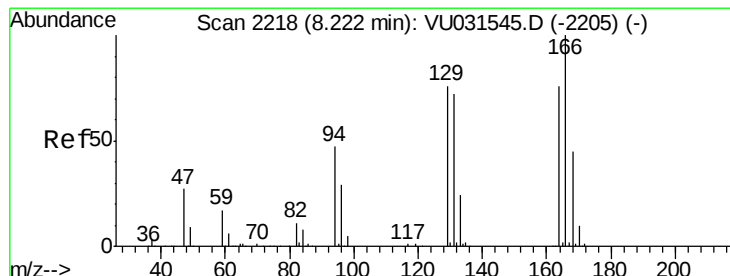
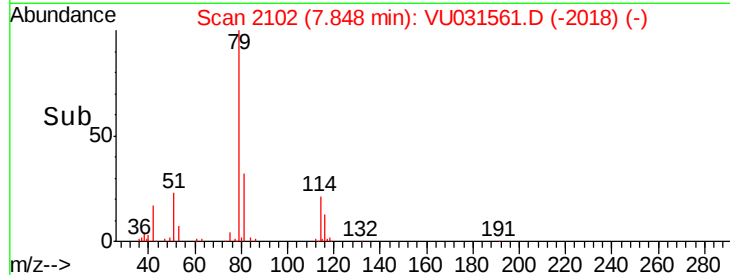
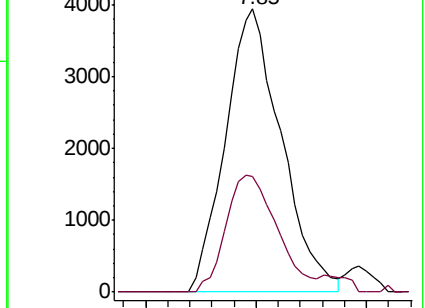
75 100

77 40.8 22.1 41.1



Abundance Ion 75.00 (74.70 to 75.70): VU031545.D (-2092) (-)

Ion 77.00 (76.70 to 77.70): VU031545.D (-2092) (-)



#46

Tetrachloroethene

Concen: 104.397 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. -0.00 min

Lab File: VU031561.D

Acq: 27 Apr 2019 03:22

Tgt Ion: 164 Resp: 512502

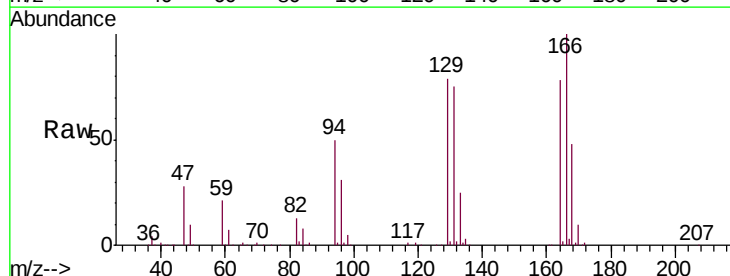
Ion Ratio Lower Upper

164 100

129 101.5 71.5 132.9

131 96.0 69.0 128.2

166 127.8 93.7 173.9

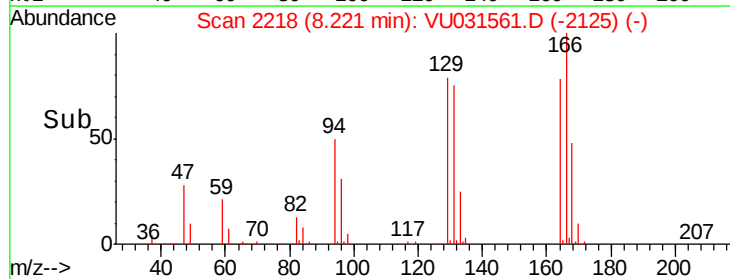
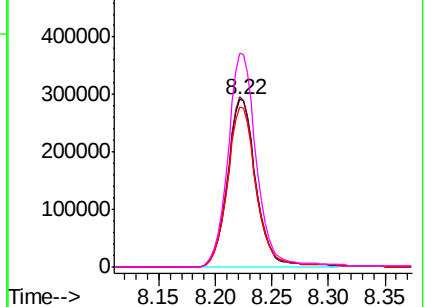


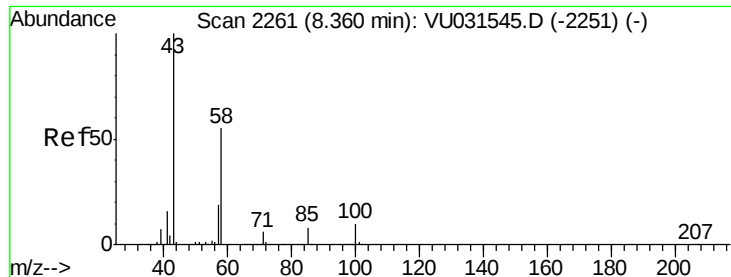
Abundance Ion 164.00 (163.70 to 164.70): VU031545.D (-2205) (-)

Ion 129.00 (128.70 to 129.70): VU031545.D (-2205) (-)

Ion 131.00 (130.70 to 131.70): VU031545.D (-2205) (-)

Ion 166.00 (165.70 to 166.70): VU031545.D (-2205) (-)

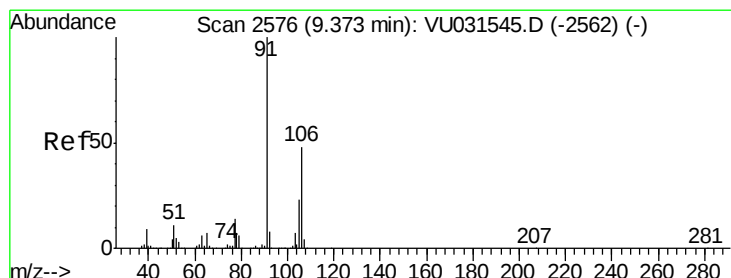
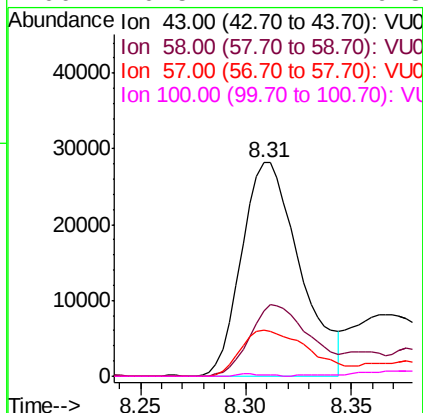
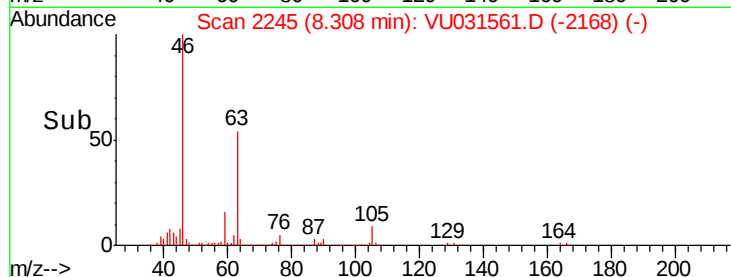
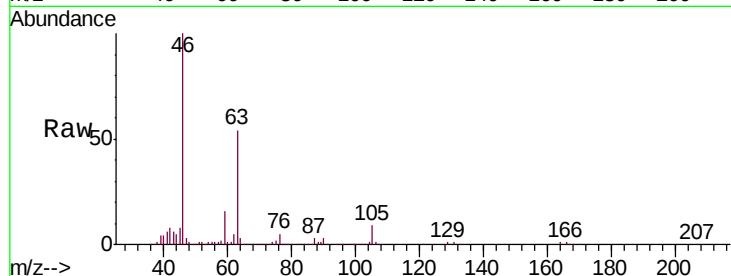




#48
2-Hexanone
Concen: 5.164 ug/L
RT: 8.31 min Scan# 2245
Delta R.T. -0.05 min
Lab File: VU031561.D
Acq: 27 Apr 2019 03:22

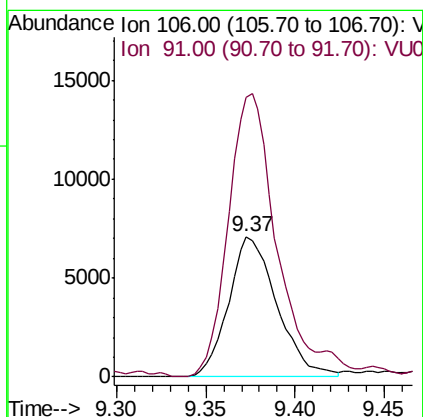
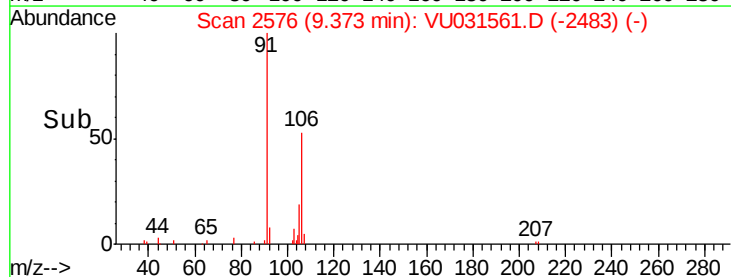
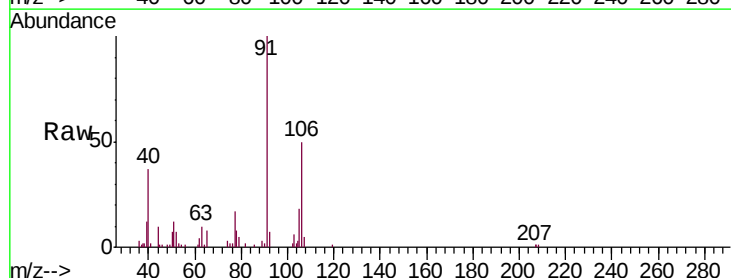
Instrument :
MSVOA_U
ClientSampleId :
C0X77

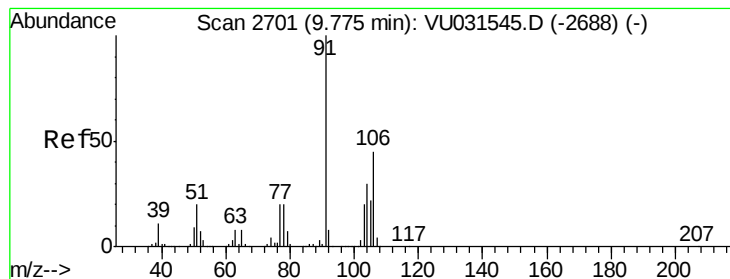
Tgt Ion: 43 Resp: 54191
Ion Ratio Lower Upper
43 100
58 34.7 42.1 63.1#
57 25.5 14.6 22.0#
100 0.5 7.2 10.8#



#53
m,p-Xylene
Concen: 1.255 ug/L
RT: 9.37 min Scan# 2576
Delta R.T. -0.00 min
Lab File: VU031561.D
Acq: 27 Apr 2019 03:22

Tgt Ion: 106 Resp: 13420
Ion Ratio Lower Upper
106 100
91 199.5 152.2 282.6





#54

o-xylene

Concen: 0.870 ug/L

RT: 9.78 min Scan# 2703

Delta R.T. 0.01 min

Lab File: VU031561.D

Acq: 27 Apr 2019 03:22

Instrument :

MSVOA_U

ClientSampleId :

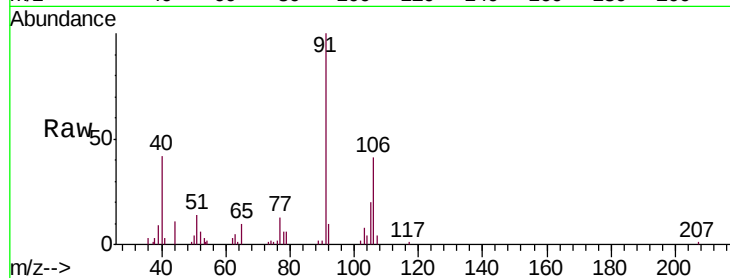
C0X77

Tgt Ion:106 Resp: 9229

Ion Ratio Lower Upper

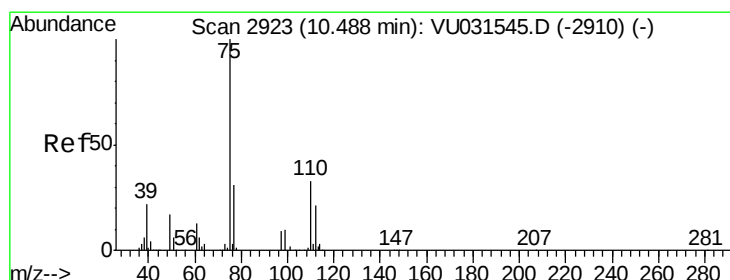
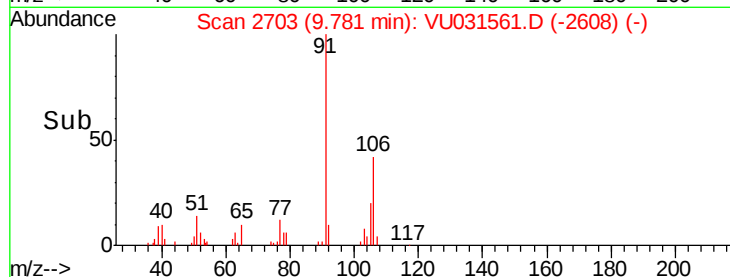
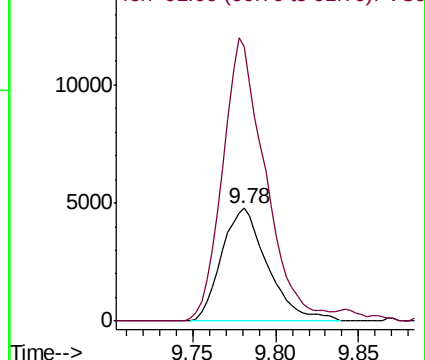
106 100

91 243.2 163.2 303.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#59

1,2,3-Trichloropropane

Concen: 4.132 ug/L

RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU031561.D

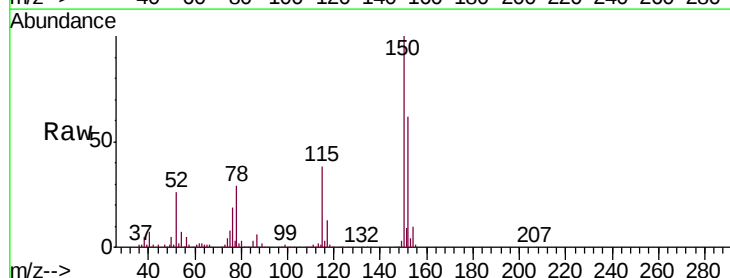
Acq: 27 Apr 2019 03:22

Tgt Ion: 75 Resp: 41318

Ion Ratio Lower Upper

75 100

77 35.8 25.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

