

Data File : VU029693.D
Acq On : 26 Feb 2019 19:38
Operator : JC/SP
Sample : K1624-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Feb 27 01:57:39 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Feb 27 01:53:00 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	475181	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	453214	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	222973	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	139586	40.09	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	80.18%
7) Chloroethane-d5	1.68	69	129371	41.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	83.58%
11) 1,1-Dichloroethene-d2	2.27	63	214169	31.47	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	62.94%
21) 2-Butanone-d5	4.17	46	228341	107.76	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	107.76%
24) Chloroform-d	4.65	84	277845	49.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.40%
26) 1,2-Dichloroethane-d4	5.31	65	179019	50.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.14%
32) Benzene-d6	5.34	84	604102	52.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.94%
36) 1,2-Dichloropropane-d6	6.33	67	184704	53.83	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	107.66%
41) Toluene-d8	7.56	98	564184	48.48	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.96%
43) trans-1,3-Dichloropropene-	7.85	79	86283	47.41	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.82%
47) 2-Hexanone-d5	8.31	63	173028	90.56	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	90.56%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	284072	49.00	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.00%
64) 1,2-Dichlorobenzene-d4	11.86	152	234219	48.74	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.48%

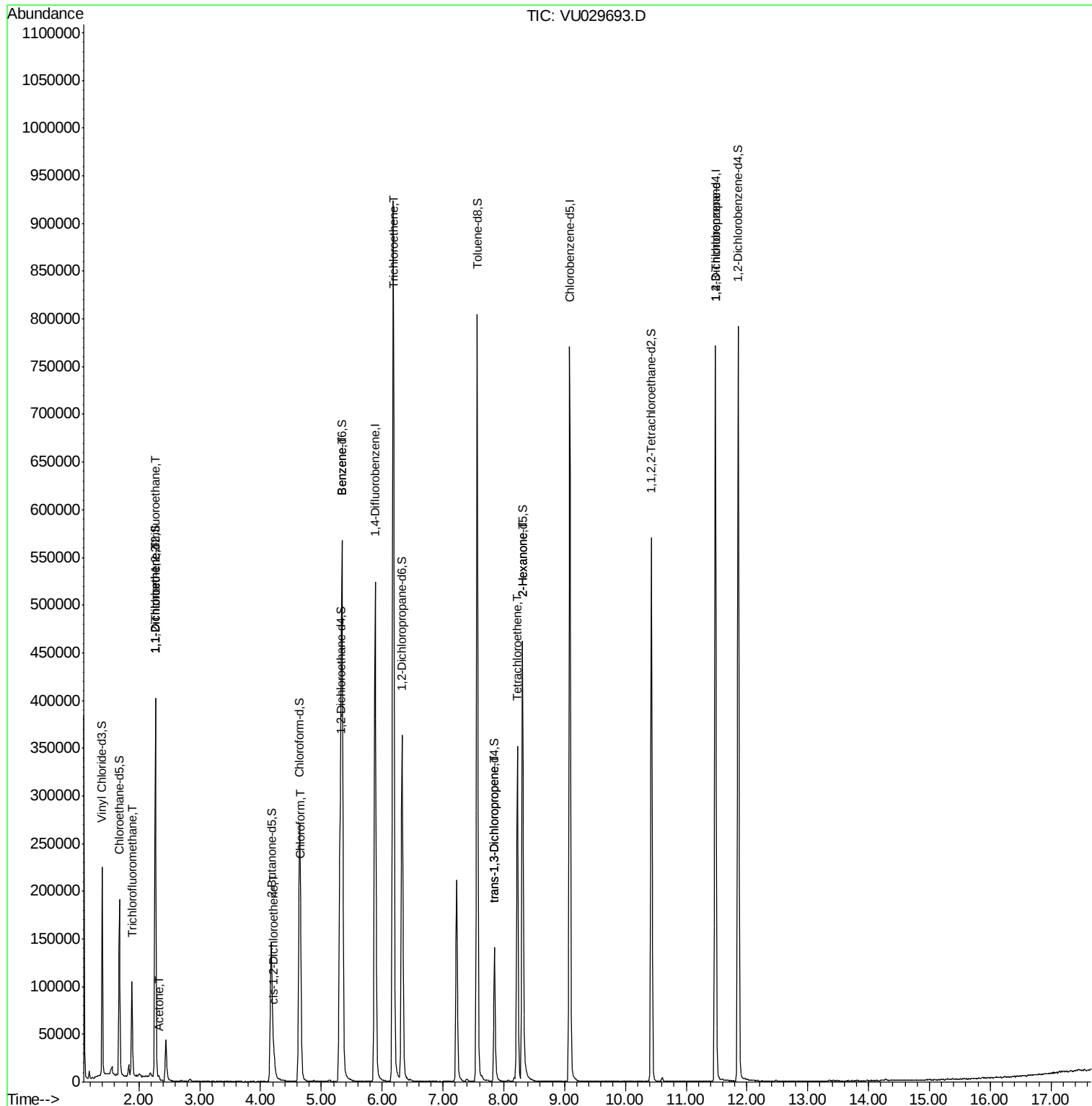
Target Compounds

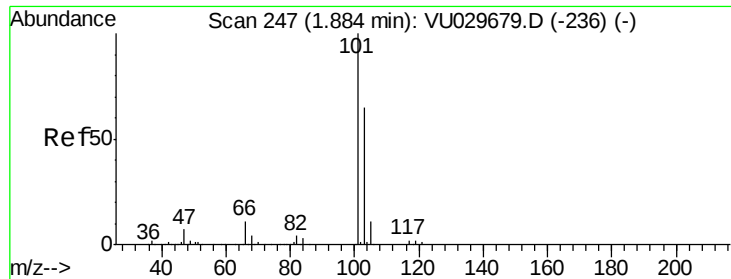
						Qvalue
9) Trichlorofluoromethane	1.88	101	59134	9.556	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	2332	0.705	ug/L #	17
12) 1,1-Dichloroethene	2.27	96	1996	0.634	ug/L #	1
13) Acetone	2.32	43	2678	1.183	ug/L	86
20) cis-1,2-Dichloroethene	4.23	96	7953	2.357	ug/L	97
25) Chloroform	4.67	83	7729	1.379	ug/L	94
33) Benzene	5.34	78	4787	0.412	ug/L	100
34) Trichloroethene	6.18	95	323327	103.292	ug/L	97
44) trans-1,3-Dichloropropene	7.85	75	3795	0.818	ug/L #	83
46) Tetrachloroethene	8.22	164	84712	27.649	ug/L	97
48) 2-Hexanone	8.31	43	18343	4.895	ug/L #	70
59) 1,2,3-Trichloropropane	11.48	75	22399	5.150	ug/L	90

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

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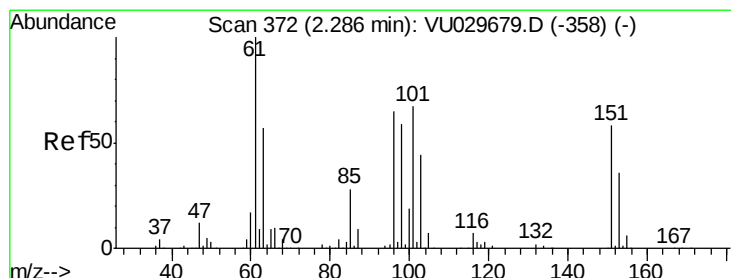
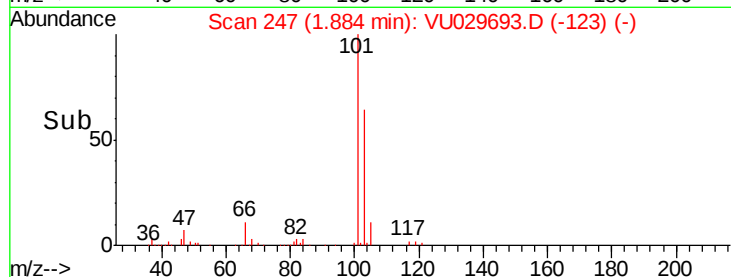
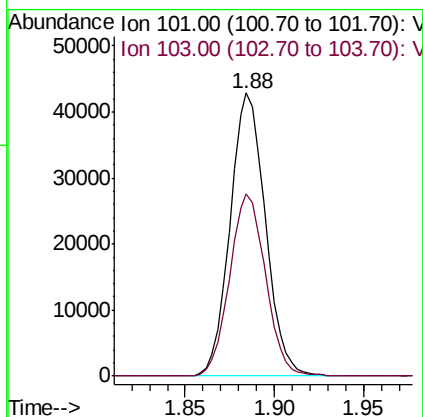
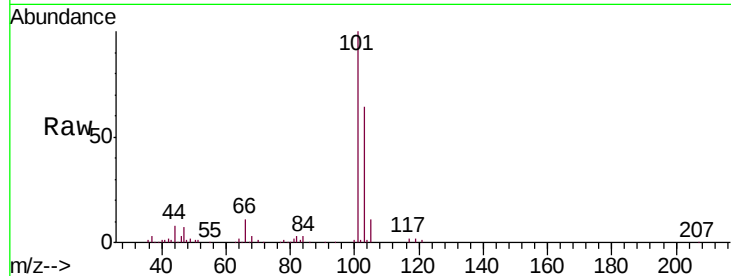




#9

Trichlorofluoromethane
Concen: 9.556 ug/L
RT: 1.88 min Scan# 247
Delta R.T. 0.00 min
Lab File: VU029693.D
Acq: 26 Feb 2019 19:38

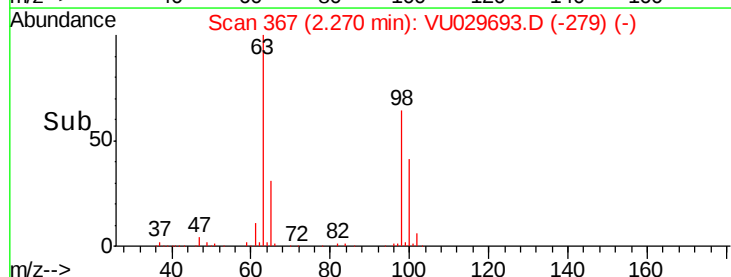
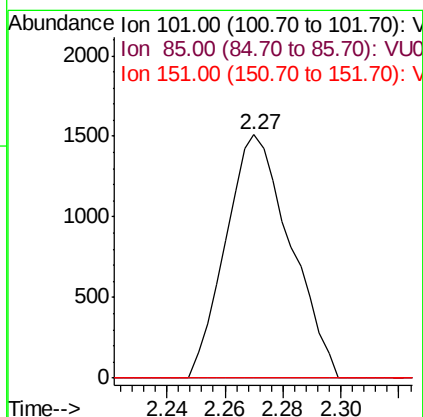
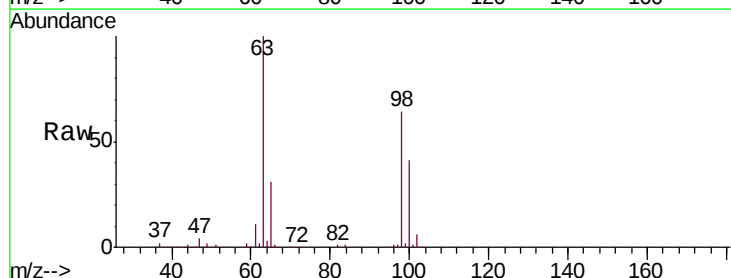
Tgt Ion	Ratio	Lower	Upper
101	100		
103	65.4	51.4	77.2

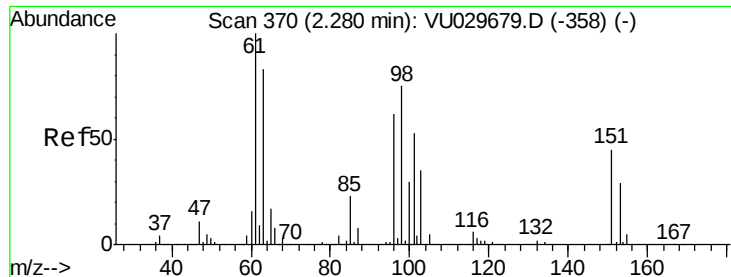


#10

1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.705 ug/L
RT: 2.27 min Scan# 367
Delta R.T. -0.02 min
Lab File: VU029693.D
Acq: 26 Feb 2019 19:38

Tgt Ion	Ratio	Lower	Upper
101	100		
85	0.0	33.0	49.6#
151	0.0	65.7	98.5#





#12

1,1-Dichloroethene

Concen: 0.634 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

Lab File: VU029693.D

Acq: 26 Feb 2019 19:38

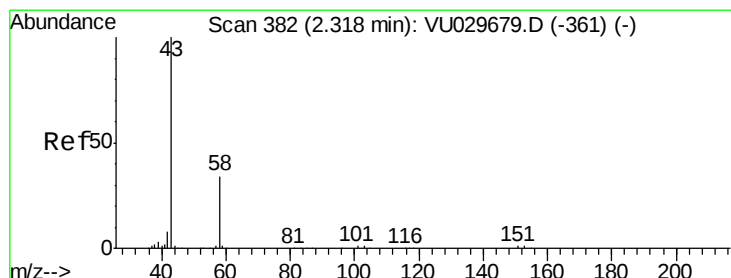
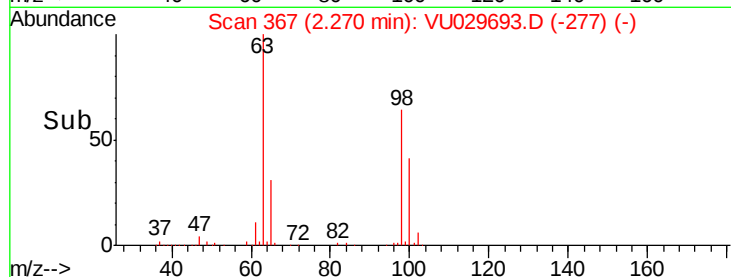
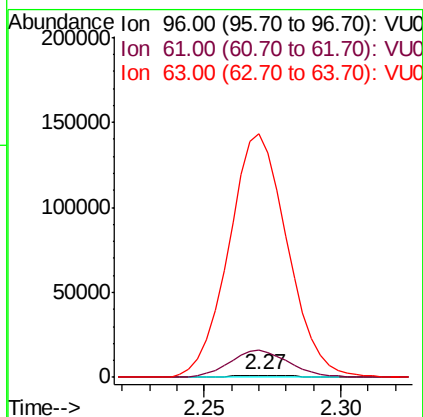
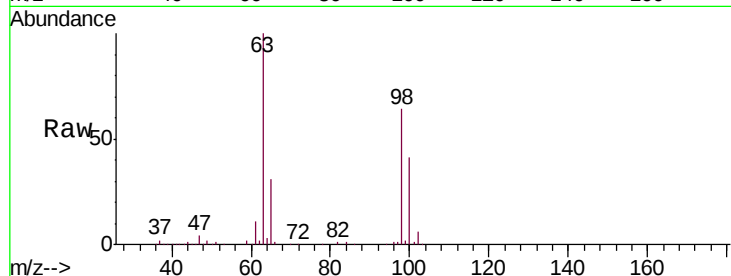
Tgt Ion: 96 Resp: 1996

Ion Ratio Lower Upper

96 100

61 1232.5 114.0 211.8#

63 11142.8 98.7 183.3#



#13

Acetone

Concen: 1.183 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VU029693.D

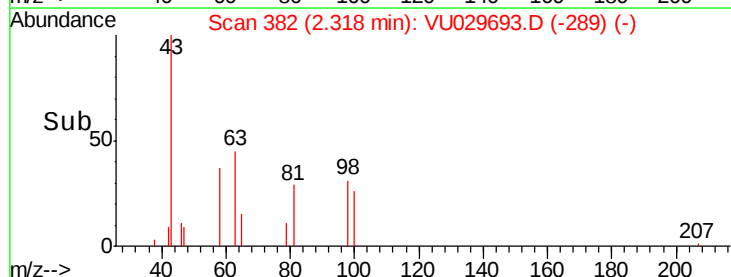
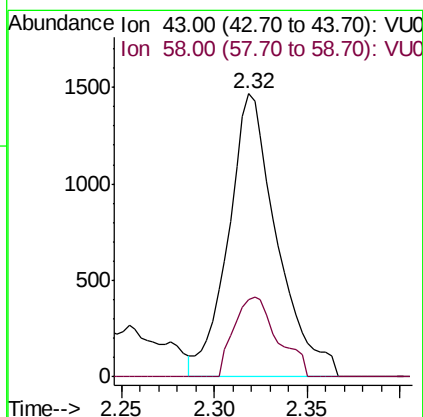
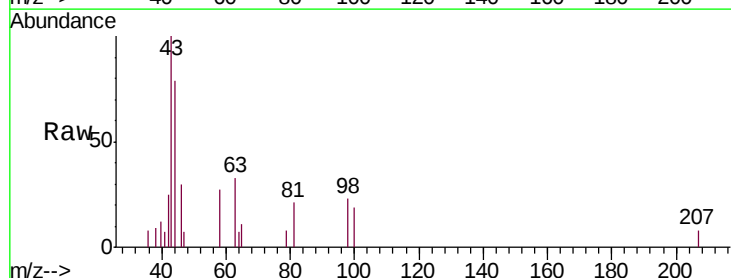
Acq: 26 Feb 2019 19:38

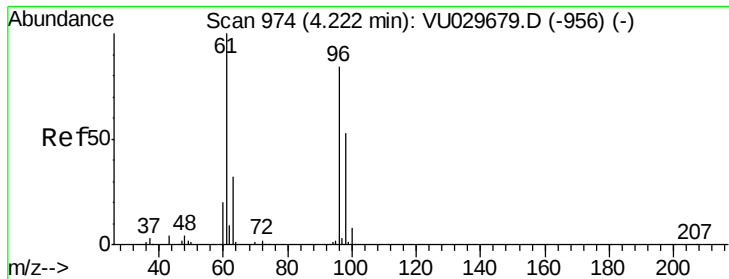
Tgt Ion: 43 Resp: 2678

Ion Ratio Lower Upper

43 100

58 25.2 0.0 66.8

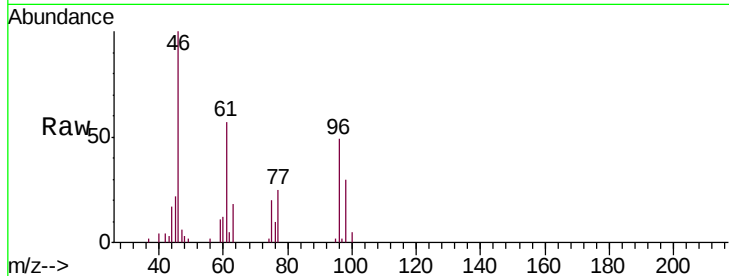




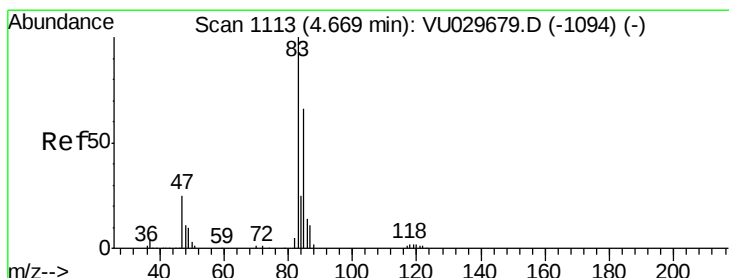
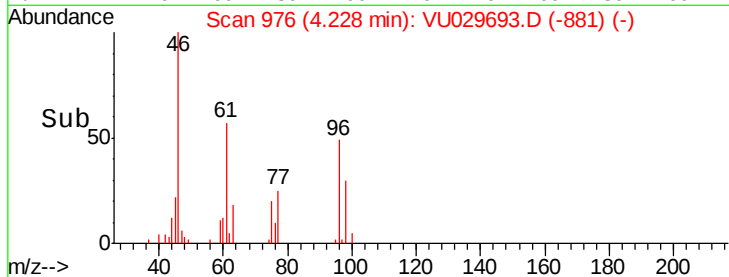
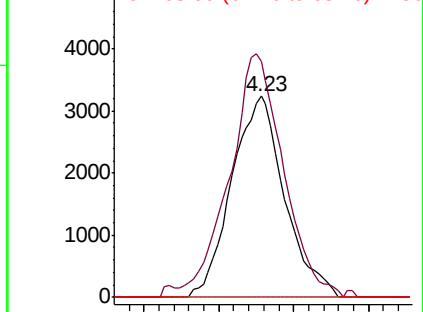
#20

cis-1,2-Dichloroethene
Concen: 2.357 ug/L
RT: 4.23 min Scan# 976
Delta R.T. 0.01 min
Lab File: VU029693.D
Acq: 26 Feb 2019 19:38

Tgt Ion	Ratio	Lower	Upper
96	100		
61	116.9	83.9	155.7
68	0.0	0.0	0.0



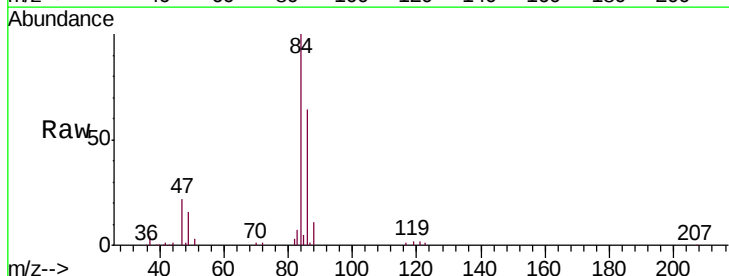
Abundance Ion 96.00 (95.70 to 96.70): VU029693.D (-956) (-)



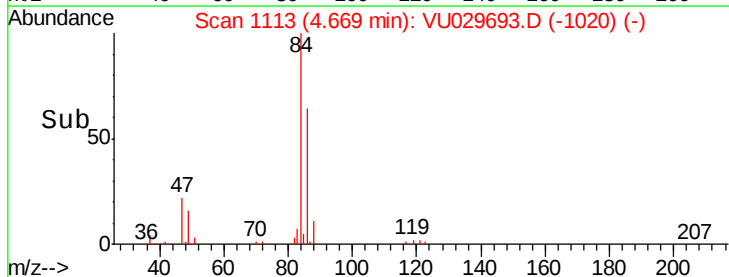
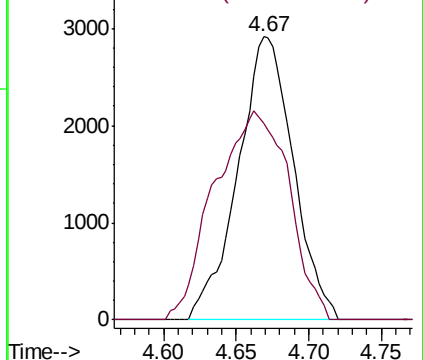
#25

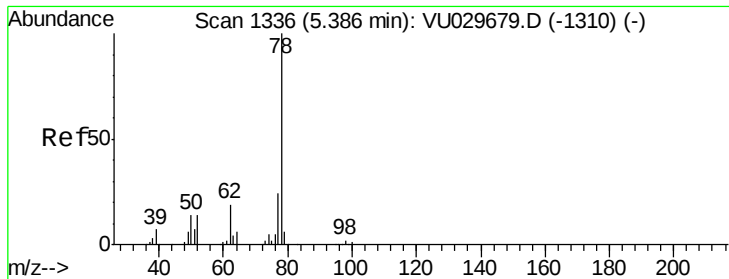
Chloroform
Concen: 1.379 ug/L
RT: 4.67 min Scan# 1113
Delta R.T. 0.00 min
Lab File: VU029693.D
Acq: 26 Feb 2019 19:38

Tgt Ion	Ratio	Lower	Upper
83	100		
85	69.4	45.4	84.2



Abundance Ion 83.00 (82.70 to 83.70): VU029693.D (-1094) (-)





#33

Benzene

Concen: 0.412 ug/L

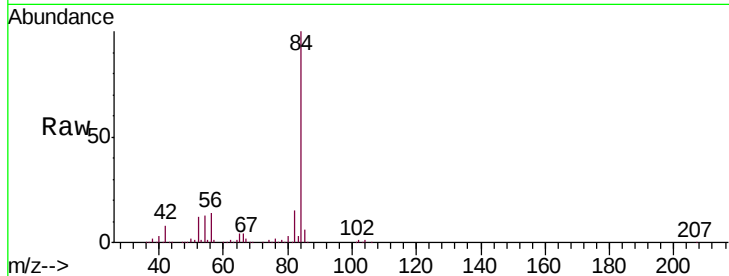
RT: 5.34 min Scan# 1321

Delta R.T. -0.05 min

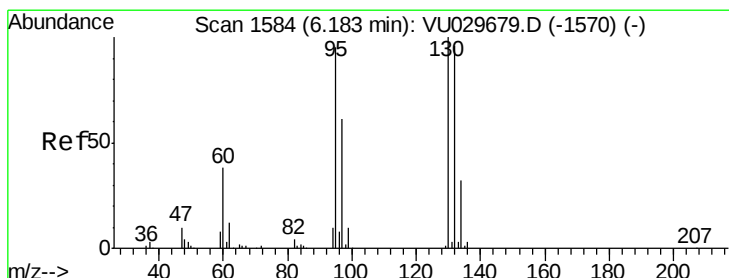
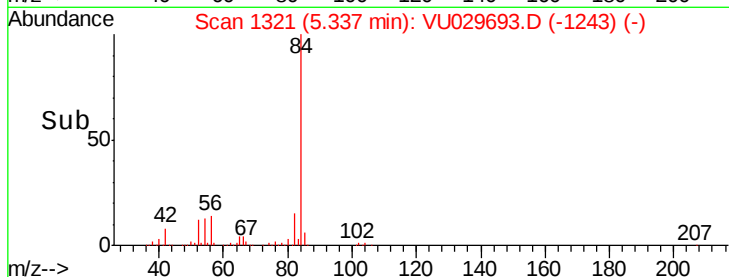
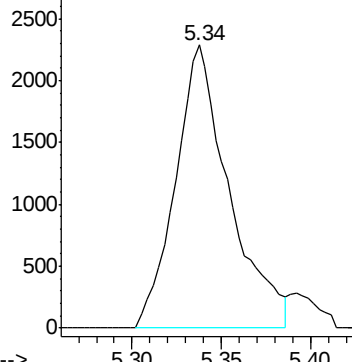
Lab File: VU029693.D

Acq: 26 Feb 2019 19:38

Tgt Ion: 78 Resp: 4787



Abundance Ion 78.00 (77.70 to 78.70): VU0



#34

Trichloroethene

Concen: 103.292 ug/L

RT: 6.18 min Scan# 1584

Delta R.T. 0.00 min

Lab File: VU029693.D

Acq: 26 Feb 2019 19:38

Tgt Ion: 95 Resp: 323327

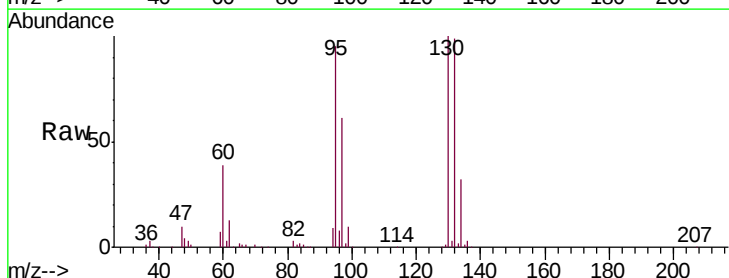
Ion Ratio Lower Upper

95 100

97 64.1 44.6 82.8

132 103.9 74.6 138.6

130 105.4 77.2 143.4

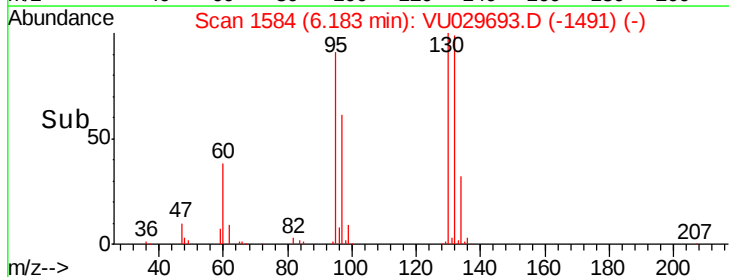
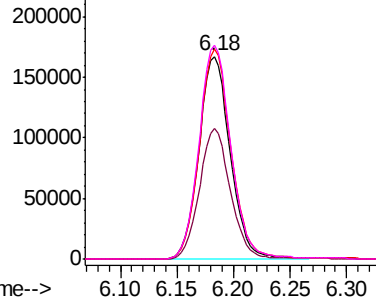


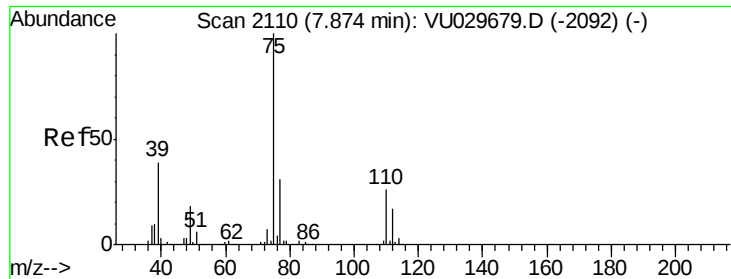
Abundance Ion 95.00 (94.70 to 95.70): VU0

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





#44

trans-1,3-Dichloropropene

Concen: 0.818 ug/L

RT: 7.85 min Scan# 2101

Delta R.T. -0.03 min

Lab File: VU029693.D

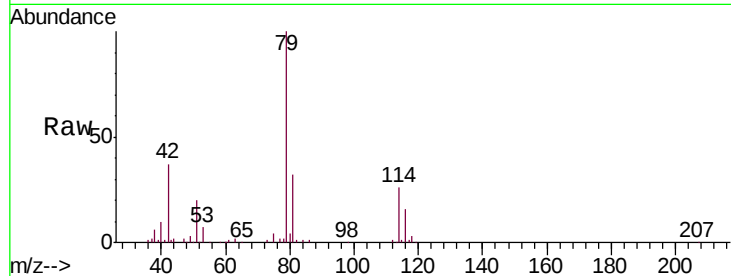
Acq: 26 Feb 2019 19:38

Tgt Ion: 75 Resp: 3795

Ion Ratio Lower Upper

75 100

77 41.3 22.1 41.1#



Abundance Ion 75.00 (74.70 to 75.70): VU029679.D (-2092) (-)

Ion 77.00 (76.70 to 77.70): VU029679.D (-2092) (-)

7.85

2000

1500

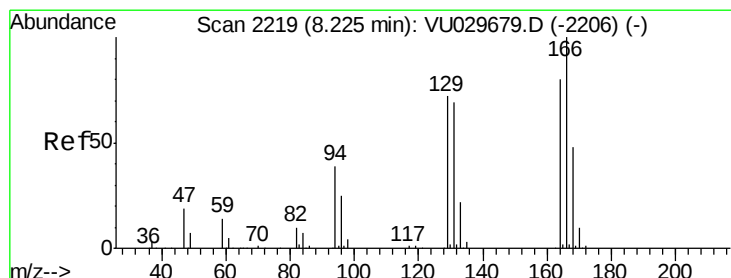
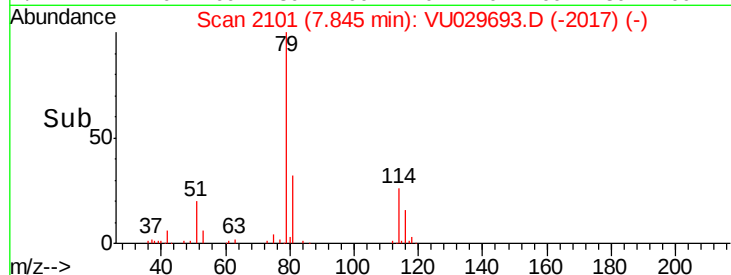
1000

500

0

7.80 7.85 7.90

Time-->



#46

Tetrachloroethene

Concen: 27.649 ug/L

RT: 8.22 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VU029693.D

Acq: 26 Feb 2019 19:38

Tgt Ion: 164 Resp: 84712

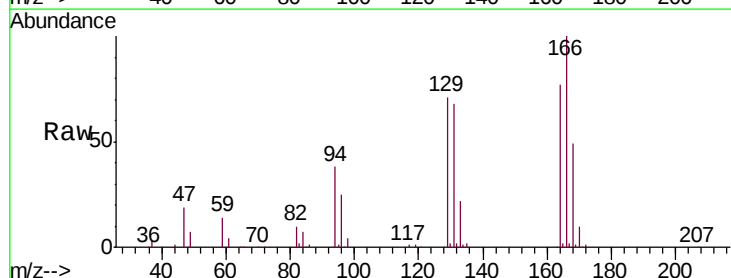
Ion Ratio Lower Upper

164 100

129 93.1 62.1 115.3

131 88.9 60.1 111.5

166 130.5 89.7 166.5



Abundance Ion 164.00 (163.70 to 164.70): VU029679.D (-2206) (-)

Ion 129.00 (128.70 to 129.70): VU029679.D (-2206) (-)

Ion 131.00 (130.70 to 131.70): VU029679.D (-2206) (-)

Ion 166.00 (165.70 to 166.70): VU029679.D (-2206) (-)

8.22

100000

80000

60000

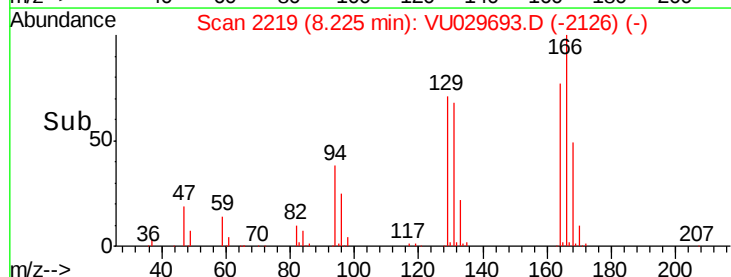
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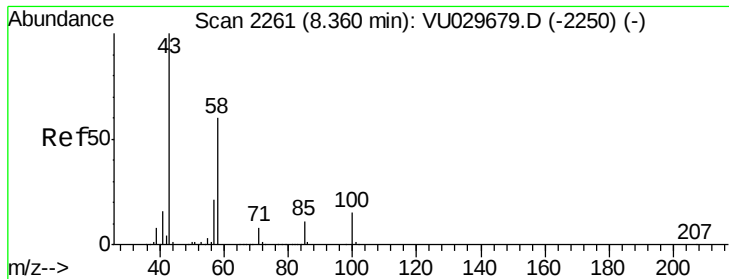
20000

0

8.15 8.20 8.25 8.30

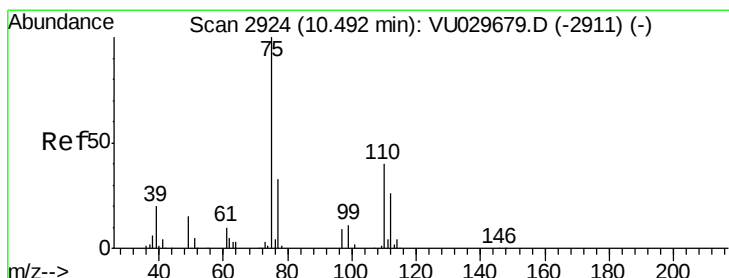
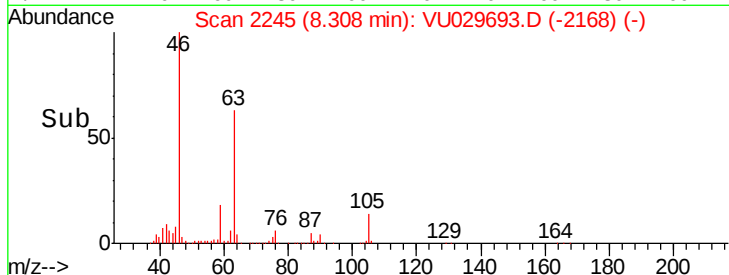
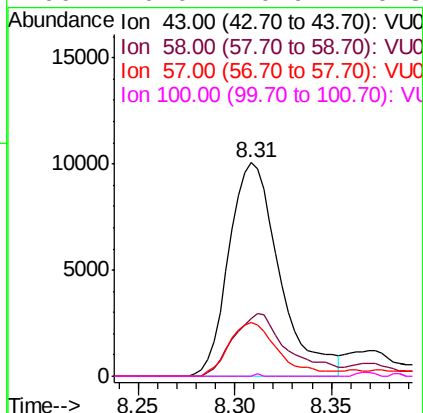
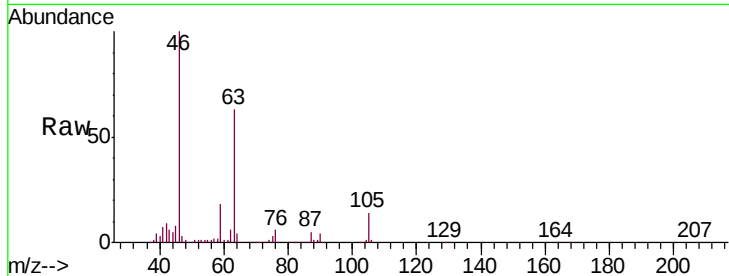
Time-->





#48
 2-Hexanone
 Concen: 4.895 ug/L
 RT: 8.31 min Scan# 2245
 Delta R.T. -0.05 min
 Lab File: VU029693.D
 Acq: 26 Feb 2019 19:38

Tgt Ion:	43	Resp:	18343
Ion	Ratio	Lower	Upper
43	100		
58	31.8	46.4	69.6#
57	24.9	15.7	23.5#
100	0.0	10.9	16.3#



#59
 1,2,3-Trichloropropane
 Concen: 5.150 ug/L
 RT: 11.48 min Scan# 3231
 Delta R.T. 0.99 min
 Lab File: VU029693.D
 Acq: 26 Feb 2019 19:38

Tgt Ion:	75	Resp:	22399
Ion	Ratio	Lower	Upper
75	100		
77	37.5	25.7	38.5

