

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041719\
 Data File : VU031249.D
 Acq On : 17 Apr 2019 11:00
 Operator : JC/SP
 Sample : K2410-16
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0XE9

Quant Time: Apr 18 04:53:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Apr 18 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	507661	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	480221	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	190636	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	196362	42.00	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.00%
7) Chloroethane-d5	1.68	69	163617	40.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	80.62%
11) 1,1-Dichloroethene-d2	2.27	63	289446	31.25	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	62.50%
21) 2-Butanone-d5	4.19	46	295831	86.88	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	86.88%
24) Chloroform-d	4.64	84	318016	40.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	81.54%
26) 1,2-Dichloroethane-d4	5.31	65	207085	43.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.22%
32) Benzene-d6	5.34	84	643604	42.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.78%
36) 1,2-Dichloropropane-d6	6.32	67	212328	43.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	86.18%
41) Toluene-d8	7.56	98	564155	42.23	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	84.46%
43) trans-1,3-Dichloropropene-	7.85	79	93058	39.51	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	79.02%
47) 2-Hexanone-d5	8.31	63	208982	89.85	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	89.85%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	296649	43.37	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	86.74%
64) 1,2-Dichlorobenzene-d4	11.86	152	197023	45.06	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.12%

Target Compounds

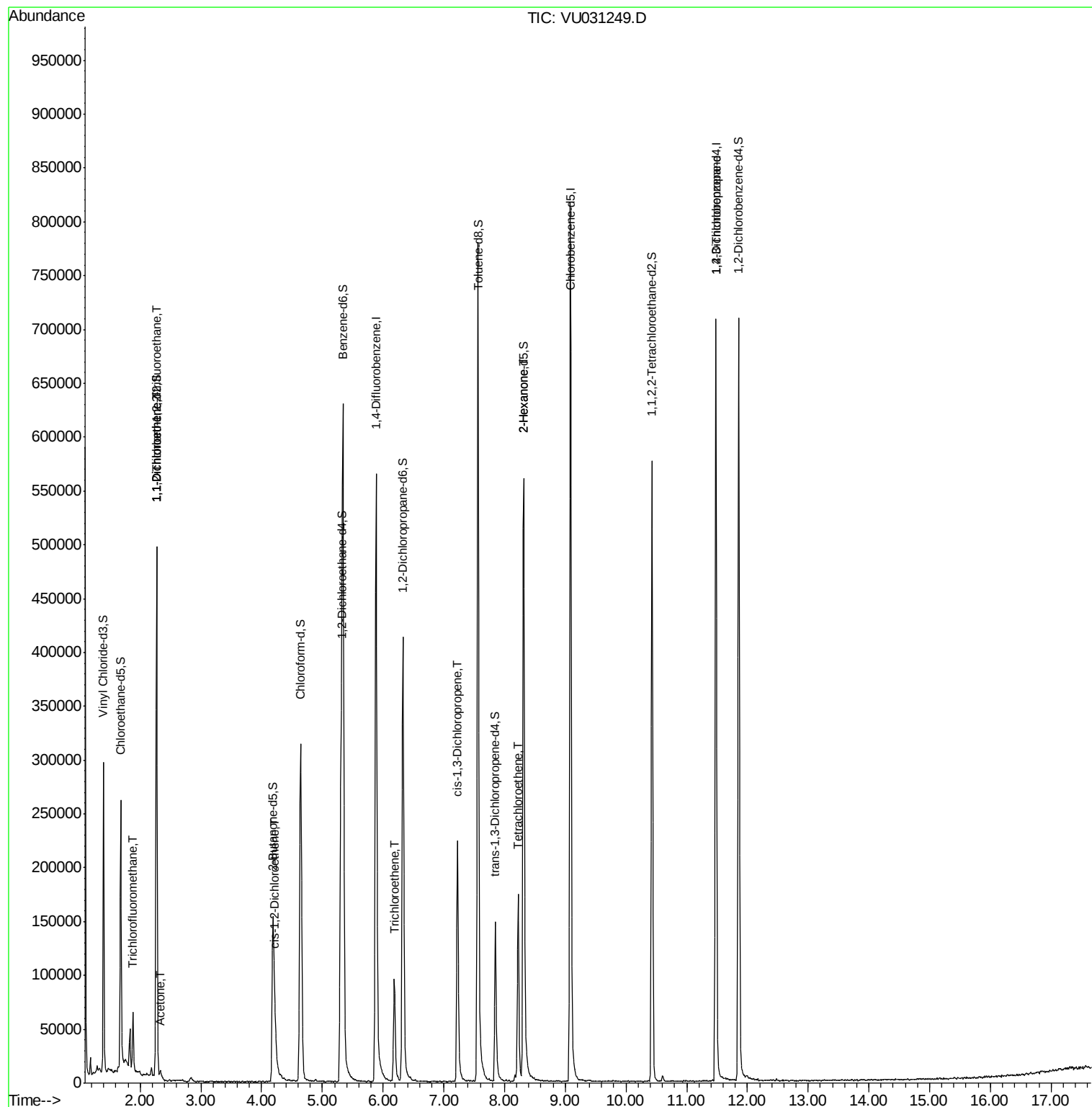
					Qvalue
9) Trichlorofluoromethane	1.88	101	29003	3.750 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	2387	0.590 ug/L #	21
12) 1,1-Dichloroethene	2.27	96	2290	0.577 ug/L #	1
13) Acetone	2.33	43	1509	0.576 ug/L	59
20) cis-1,2-Dichloroethene	4.22	96	5754	1.368 ug/L	97
34) Trichloroethene	6.19	95	35195	8.709 ug/L	93
39) cis-1,3-Dichloropropene	7.22	75	4950	0.772 ug/L #	53
46) Tetrachloroethene	8.22	164	42094	13.848 ug/L	97
48) 2-Hexanone	8.31	43	24200	5.042 ug/L #	71
59) 1,2,3-Trichloropropane	11.48	75	21461	4.218 ug/L	91

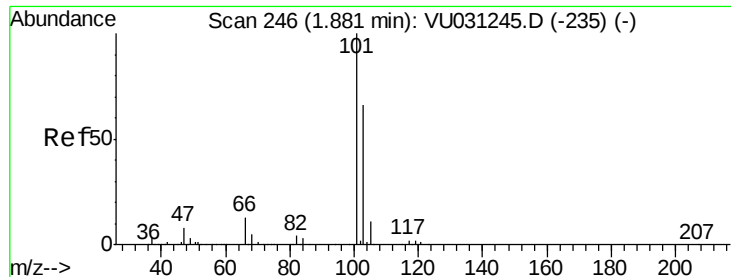
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#9

Trichlorofluoromethane

Concen: 3.750 ug/L

RT: 1.88 min Scan# 246

Delta R.T. -0.00 min

Lab File: VU031249.D

Acq: 17 Apr 2019 11:00

Instrument :

MSVOA_U

ClientSampleId :

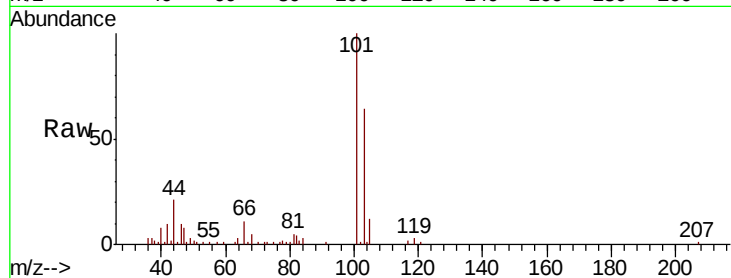
C0XE9

Tgt Ion:101 Resp: 29003

Ion Ratio Lower Upper

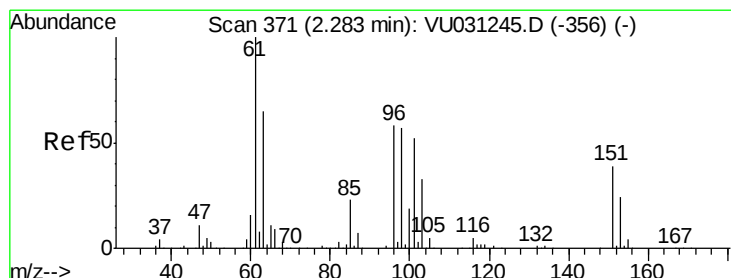
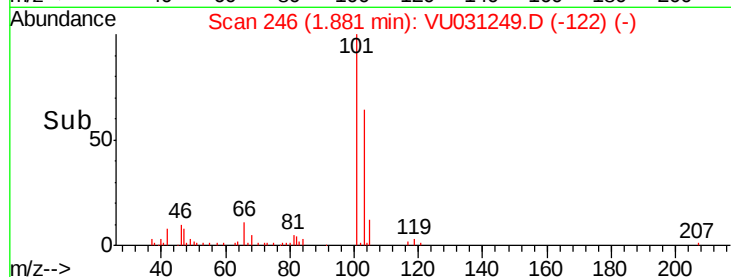
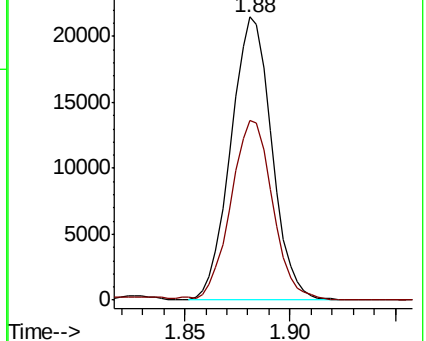
101 100

103 64.5 53.0 79.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.590 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.02 min

Lab File: VU031249.D

Acq: 17 Apr 2019 11:00

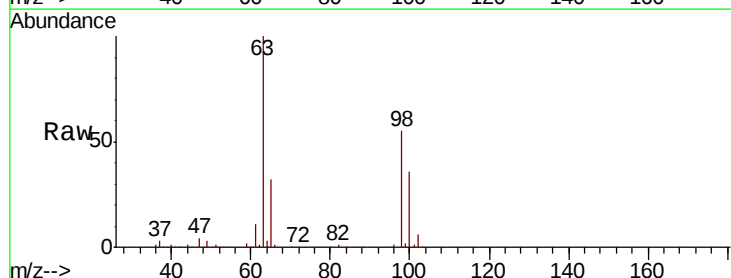
Tgt Ion:101 Resp: 2387

Ion Ratio Lower Upper

101 100

85 3.0 35.4 53.0#

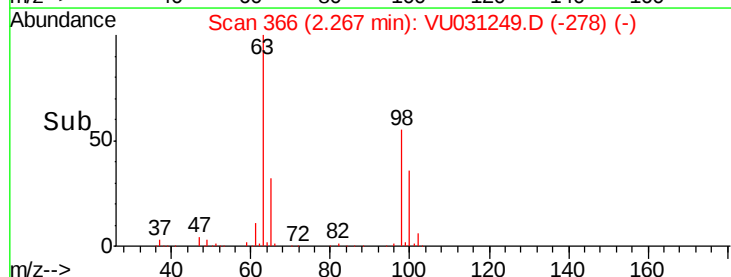
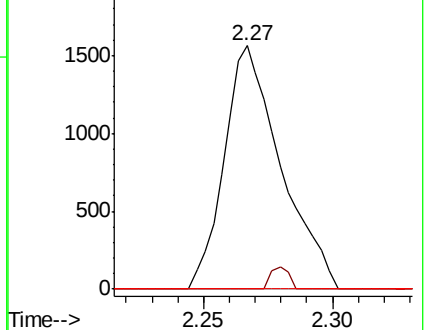
151 0.0 59.8 89.8#

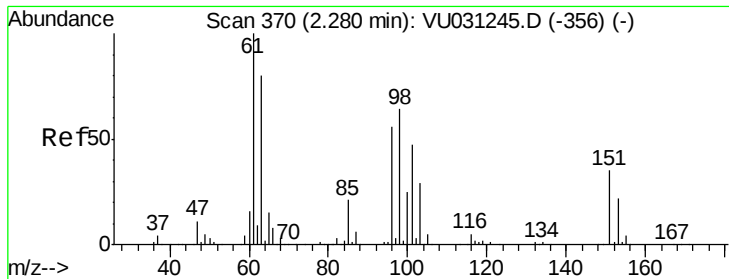


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V





#12

1,1-Dichloroethene

Concen: 0.577 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.01 min

Lab File: VU031249.D

Acq: 17 Apr 2019 11:00

Instrument :

MSVOA_U

ClientSampleId :

C0XE9

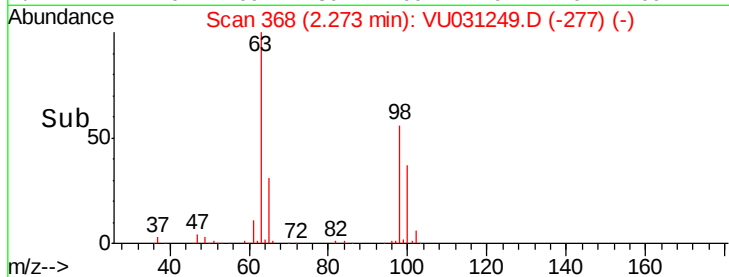
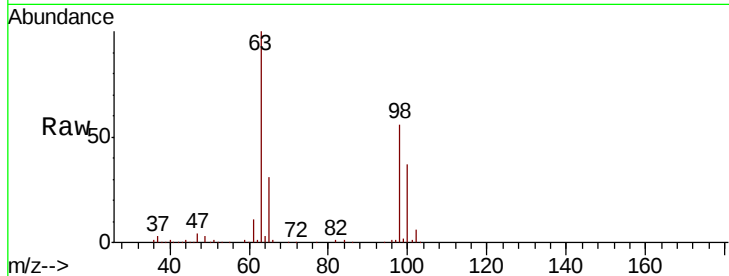
Tgt Ion: 96 Resp: 2290

Ion Ratio Lower Upper

96 100

61 1299.7 130.4 242.2#

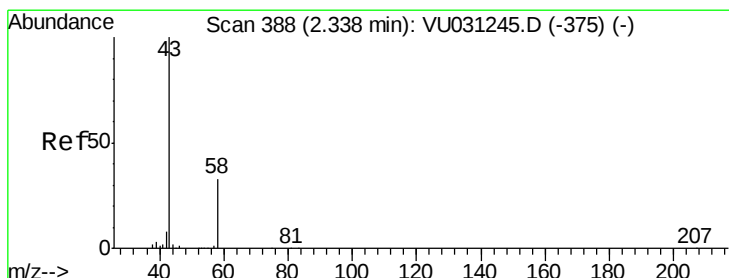
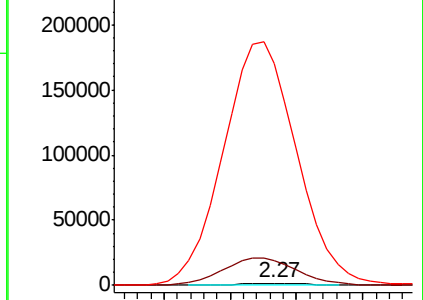
63 11684.3 108.9 202.3#



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



#13

Acetone

Concen: 0.576 ug/L

RT: 2.33 min Scan# 385

Delta R.T. -0.01 min

Lab File: VU031249.D

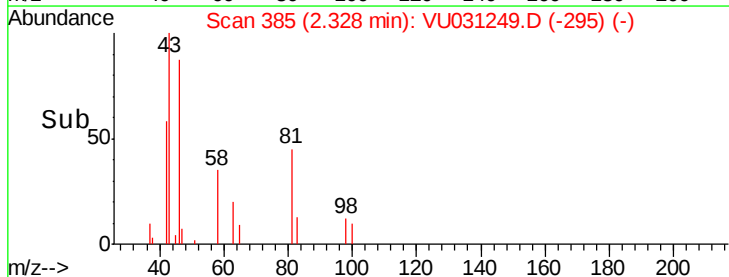
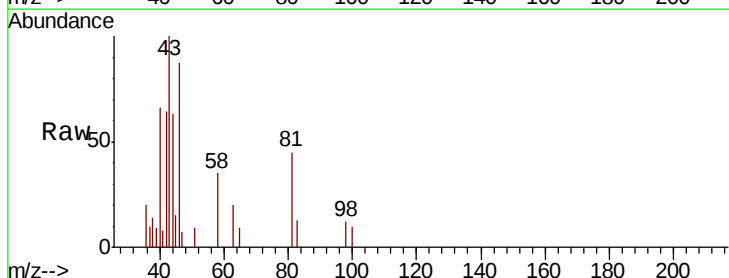
Acq: 17 Apr 2019 11:00

Tgt Ion: 43 Resp: 1509

Ion Ratio Lower Upper

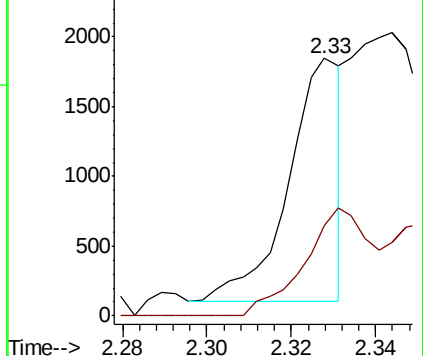
43 100

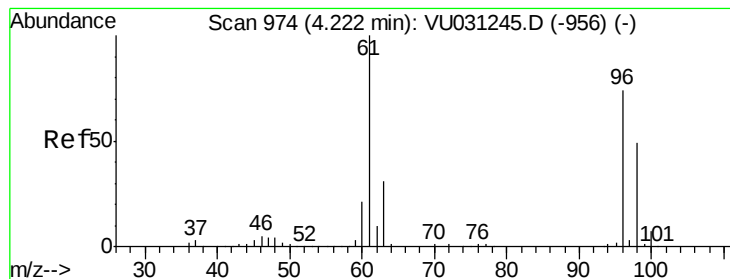
58 55.5 0.0 65.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0





#20

cis-1,2-Dichloroethene

Concen: 1.368 ug/L

RT: 4.22 min Scan# 975

Delta R.T. 0.00 min

Lab File: VU031249.D

Acq: 17 Apr 2019 11:00

Instrument :

MSVOA_U

ClientSampleId :

C0XE9

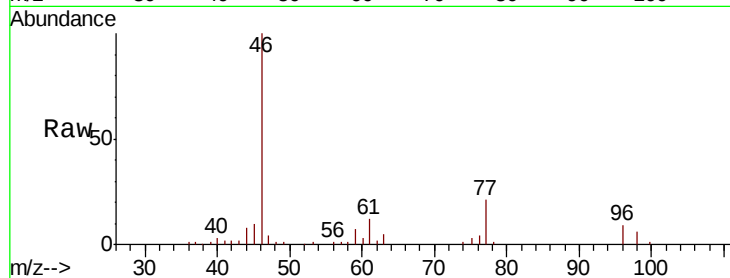
Tgt Ion: 96 Resp: 5754

Ion Ratio Lower Upper

96 100

61 144.0 98.2 182.4

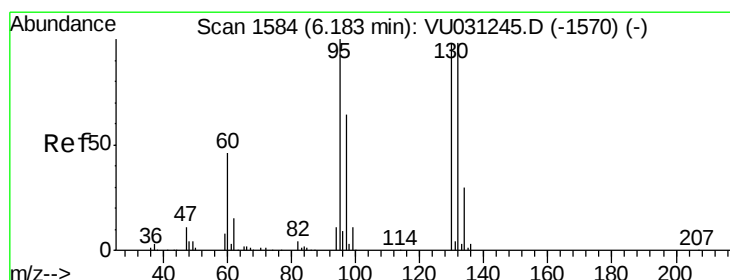
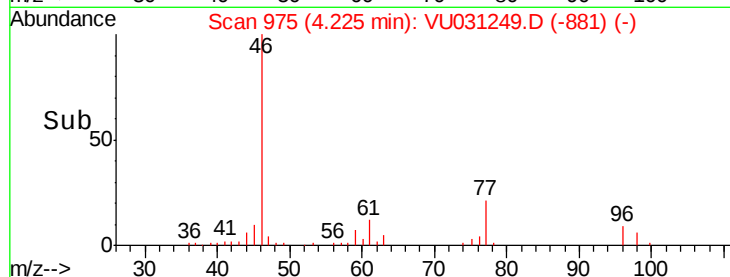
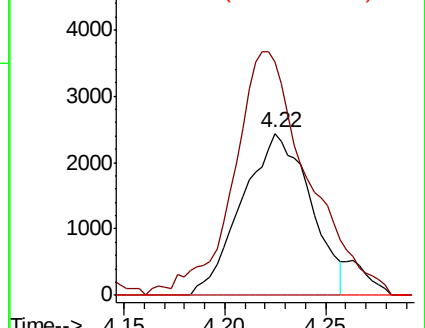
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU031245.D (-956) (-)

Ion 61.00 (60.70 to 61.70): VU031245.D (-956) (-)

Ion 68.00 (67.70 to 68.70): VU031245.D (-956) (-)



#34

Trichloroethene

Concen: 8.709 ug/L

RT: 6.19 min Scan# 1585

Delta R.T. 0.01 min

Lab File: VU031249.D

Acq: 17 Apr 2019 11:00

Tgt Ion: 95 Resp: 35195

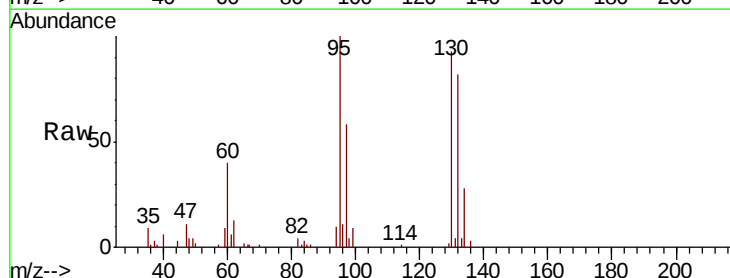
Ion Ratio Lower Upper

95 100

97 57.9 43.6 81.0

132 82.2 64.5 119.7

130 92.7 68.0 126.2

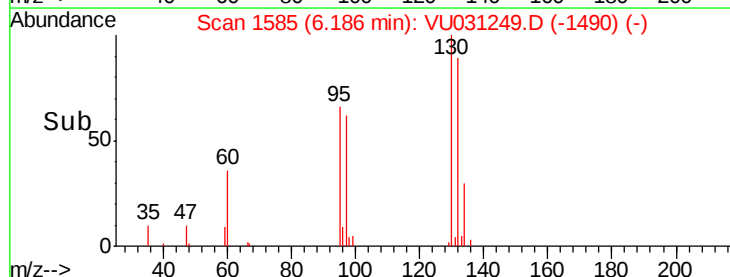
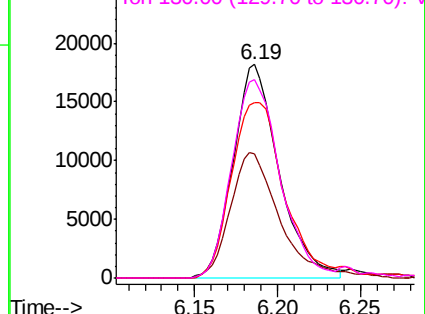


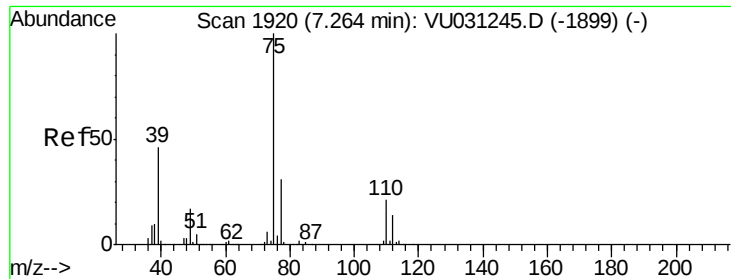
Abundance Ion 95.00 (94.70 to 95.70): VU031245.D (-1570) (-)

Ion 97.00 (96.70 to 97.70): VU031245.D (-1570) (-)

Ion 132.00 (131.70 to 132.70): VU031245.D (-1570) (-)

Ion 130.00 (129.70 to 130.70): VU031245.D (-1570) (-)

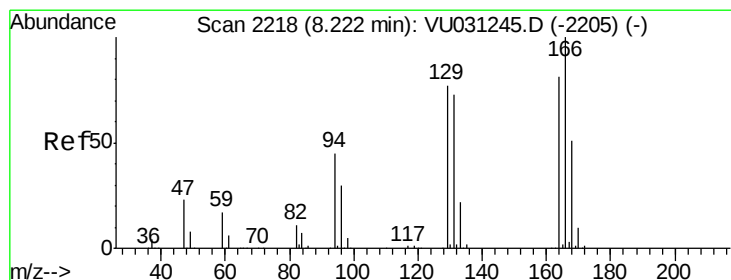
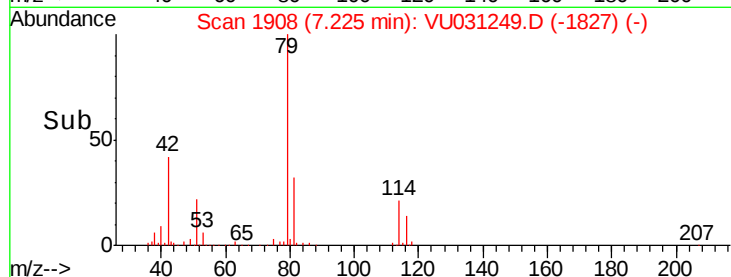
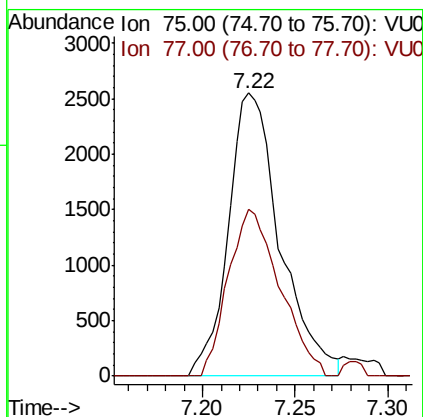
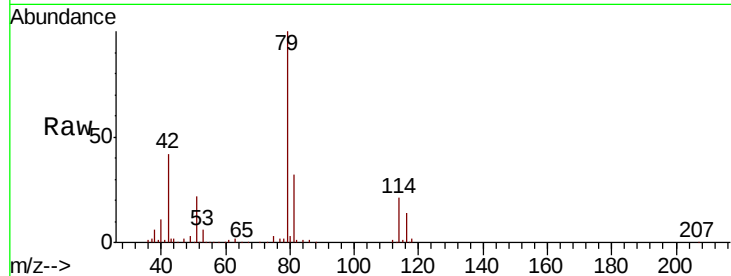




#39
 cis-1,3-Dichloropropene
 Concen: 0.772 ug/L
 RT: 7.22 min Scan# 1908
 Delta R.T. -0.04 min
 Lab File: VU031249.D
 Acq: 17 Apr 2019 11:00

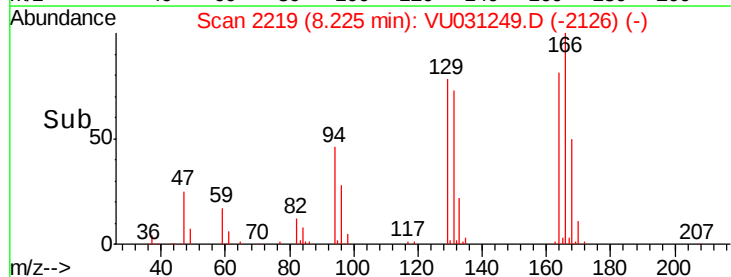
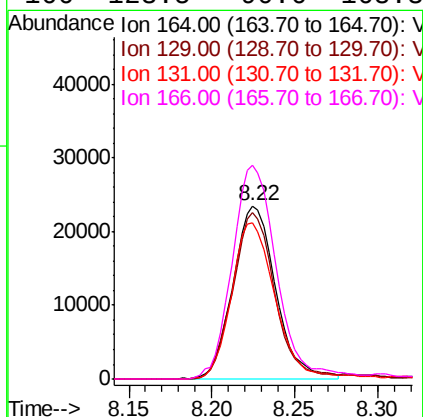
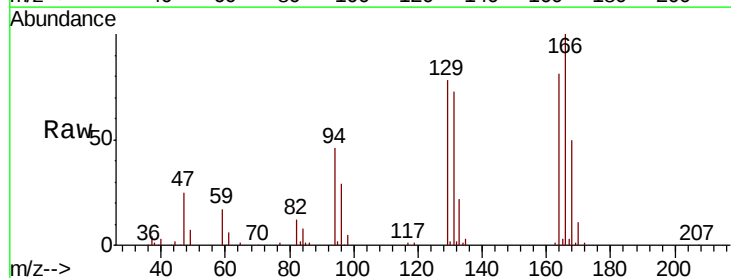
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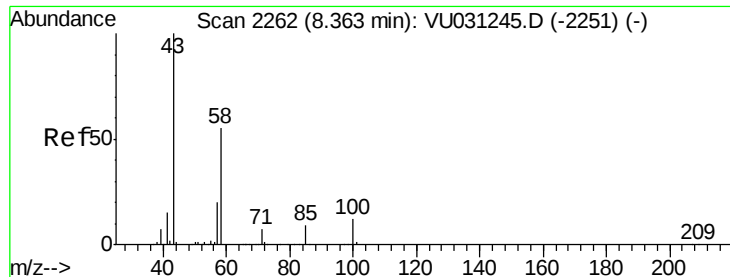
Tgt Ion: 75 Resp: 4950
 Ion Ratio Lower Upper
 75 100
 77 58.8 22.7 42.1#



#46
 Tetrachloroethene
 Concen: 13.848 ug/L
 RT: 8.22 min Scan# 2219
 Delta R.T. -0.00 min
 Lab File: VU031249.D
 Acq: 17 Apr 2019 11:00

Tgt Ion: 164 Resp: 42094
 Ion Ratio Lower Upper
 164 100
 129 96.5 66.5 123.5
 131 90.5 62.3 115.7
 166 123.5 90.6 168.3

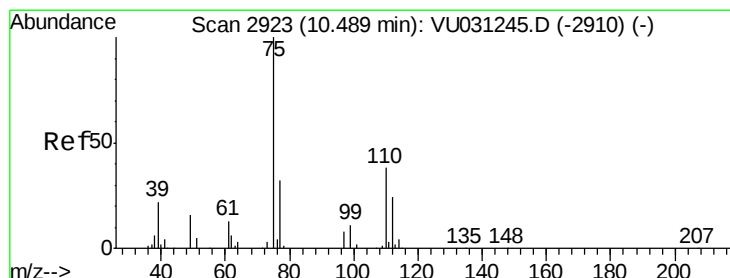
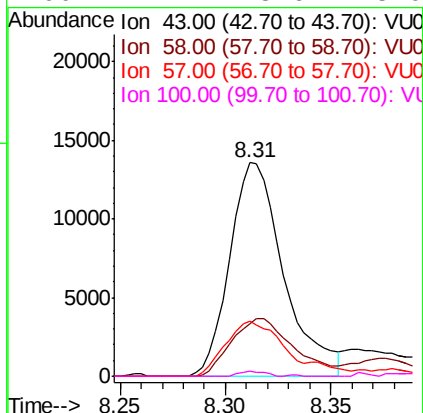
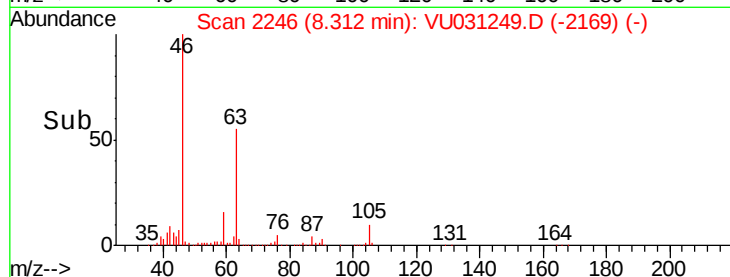
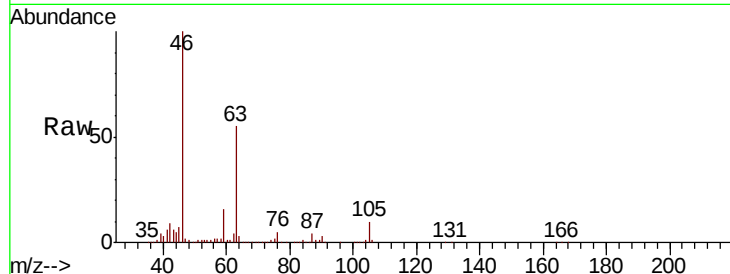




#48
 2-Hexanone
 Concen: 5.042 ug/L
 RT: 8.31 min Scan# 2246
 Delta R.T. -0.05 min
 Lab File: VU031249.D
 Acq: 17 Apr 2019 11:00

Instrument :
 MSVOA_U
 ClientSampleId :
 C0XE9

Tgt Ion: 43 Resp: 24200
 Ion Ratio Lower Upper
 43 100
 58 31.1 44.9 67.3#
 57 26.4 15.1 22.7#
 100 1.1 8.6 13.0#



#59
 1,2,3-Trichloropropane
 Concen: 4.218 ug/L
 RT: 11.48 min Scan# 3231
 Delta R.T. 0.99 min
 Lab File: VU031249.D
 Acq: 17 Apr 2019 11:00

Tgt Ion: 75 Resp: 21461
 Ion Ratio Lower Upper
 75 100
 77 36.8 25.4 38.2

