

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU090618\
 Data File : VU026581.D
 Acq On : 06 Sep 2018 15:34
 Operator : MD/SY
 Sample : J4718-16
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BEGD2

Quant Time: Sep 07 04:45:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM082918WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 07 04:44:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	166667	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	153254	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	64880	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	43433	42.06	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.12%
7) Chloroethane-d5	1.68	69	40908	43.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.72%
11) 1,1-Dichloroethene-d2	2.27	63	63955	27.50	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	55.00%#
21) 2-Butanone-d5	4.18	46	88895	110.92	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	110.92%
24) Chloroform-d	4.65	84	89697	45.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.98%
26) 1,2-Dichloroethane-d4	5.31	65	60642	46.70	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.40%
32) Benzene-d6	5.34	84	171605	48.58	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.16%
36) 1,2-Dichloropropane-d6	6.33	67	61900	51.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.02%
41) Toluene-d8	7.57	98	150501	44.14	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.28%
43) trans-1,3-Dichloropropene-	7.85	79	25343	45.74	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.48%
47) 2-Hexanone-d5	8.31	63	60644	108.97	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	108.97%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	88337	49.41	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.82%
64) 1,2-Dichlorobenzene-d4	11.86	152	61829	52.53	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.06%

Target Compounds

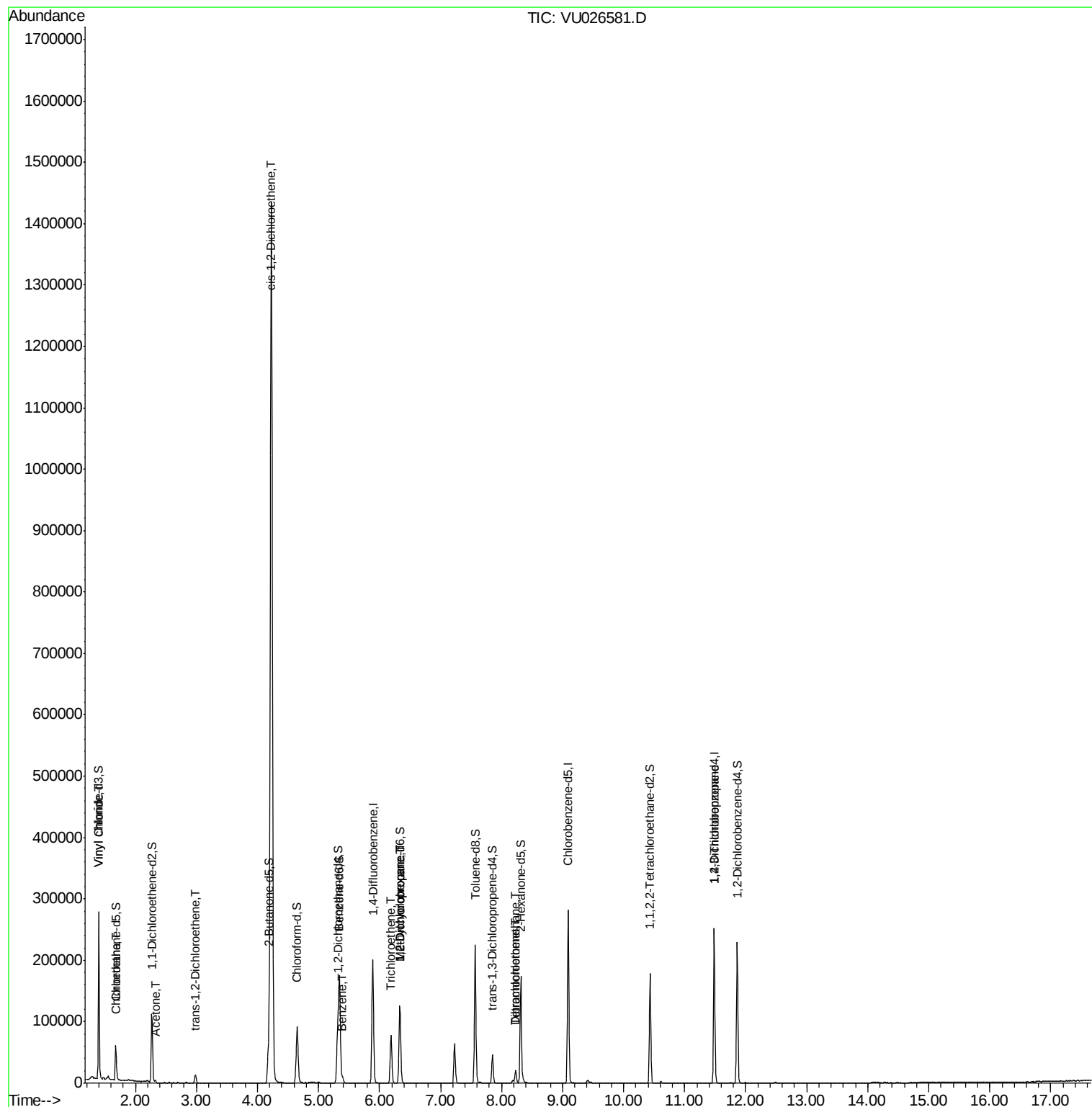
					Qvalue
5) Vinyl chloride	1.40	62	136237	78.315	ug/L 99
8) Chloroethane	1.70	64	1662	1.591	ug/L # 77
13) Acetone	2.32	43	3087	4.448	ug/L 99
17) trans-1,2-Dichloroethene	2.98	96	5665	5.265	ug/L 94
20) cis-1,2-Dichloroethene	4.23	96	793132	657.955	ug/L 99
33) Benzene	5.39	78	9112	2.074	ug/L 100
34) Trichloroethene	6.19	95	27438	24.897	ug/L 98
35) Methylcyclohexane	6.33	83	13762	7.997	ug/L # 18
37) 1,2-Dichloropropane	6.33	63	6549	5.384	ug/L # 88
46) Tetrachloroethene	8.23	164	4746	5.267	ug/L 97
49) Dibromochloromethane	8.23	129	4498	3.583	ug/L # 10
59) 1,2,3-Trichloropropane	11.48	75	7808	5.145	ug/L # 86

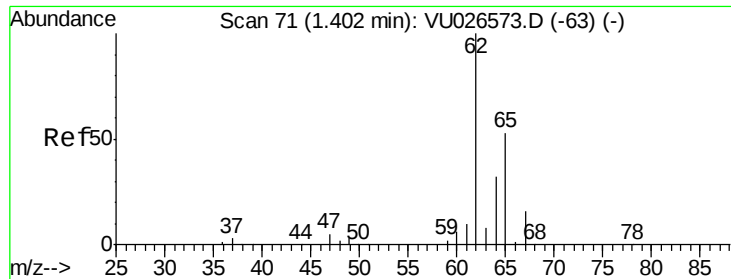
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 78.315 ug/L

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU026581.D

Acq: 06 Sep 2018 15:34

Instrument :

MSVOA_U

ClientSampleId :

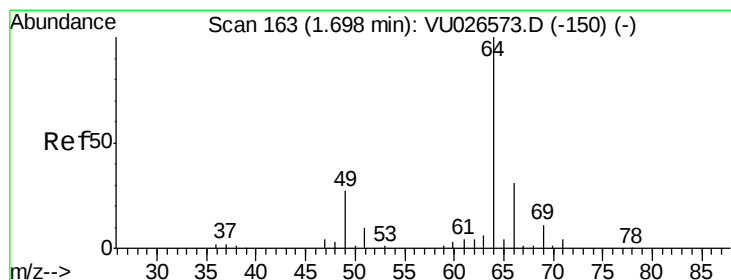
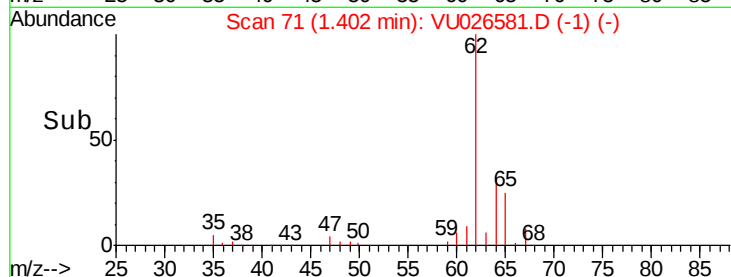
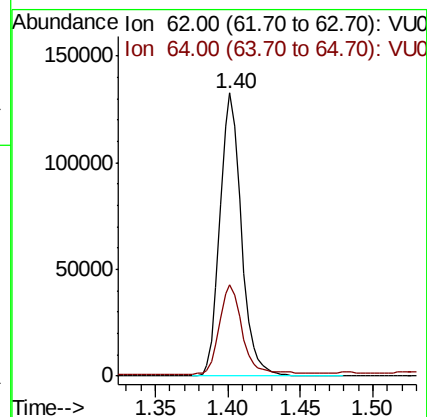
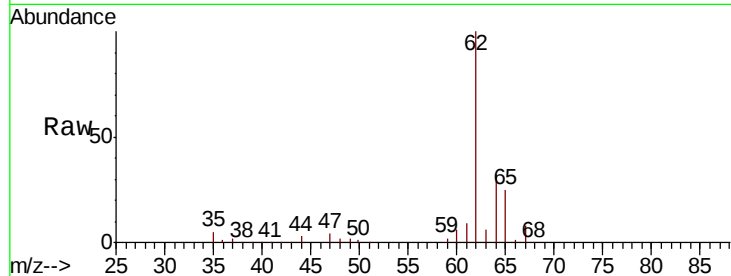
BEGD2

Tgt Ion: 62 Resp: 136237

Ion Ratio Lower Upper

62 100

64 32.3 22.4 41.6



#8

Chloroethane

Concen: 1.591 ug/L

RT: 1.70 min Scan# 163

Delta R.T. 0.00 min

Lab File: VU026581.D

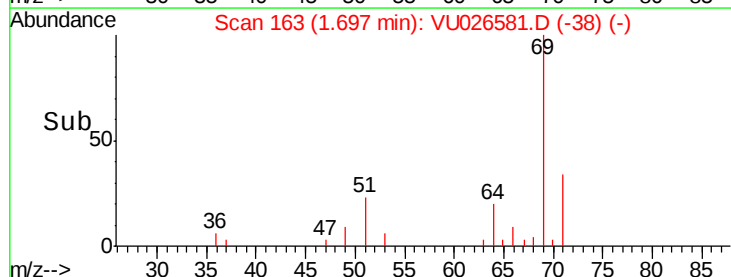
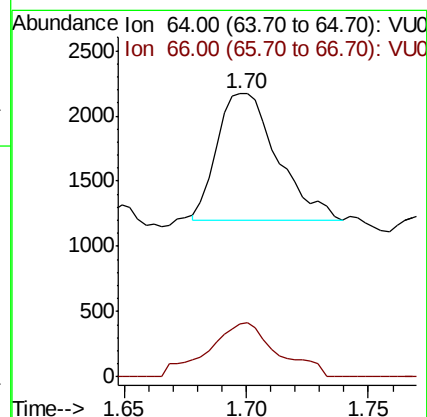
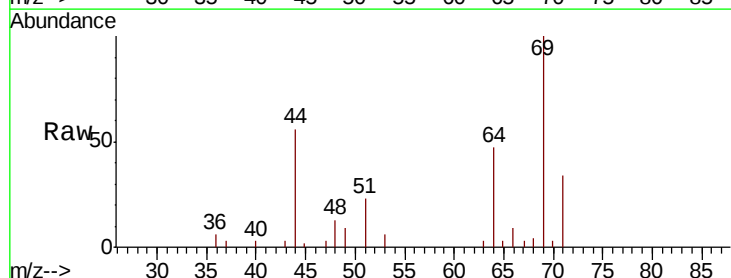
Acq: 06 Sep 2018 15:34

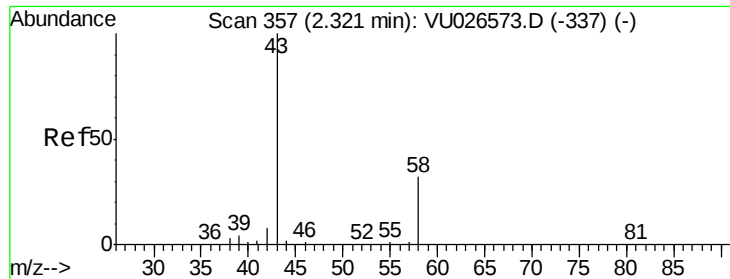
Tgt Ion: 64 Resp: 1662

Ion Ratio Lower Upper

64 100

66 18.9 22.2 41.2#





#13

Acetone

Concen: 4.448 ug/L

RT: 2.32 min Scan# 358

Delta R.T. 0.00 min

Lab File: VU026581.D

Acq: 06 Sep 2018 15:34

Instrument :

MSVOA_U

ClientSampleId :

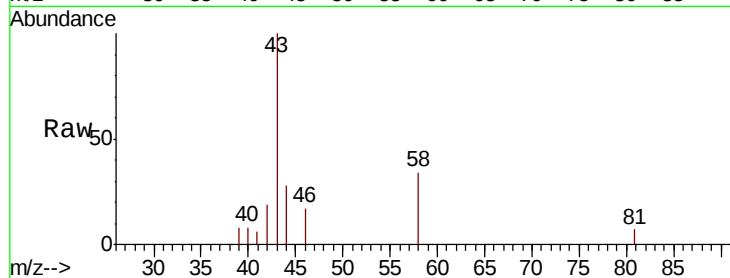
BEGD2

Tgt Ion: 43 Resp: 3087

Ion Ratio Lower Upper

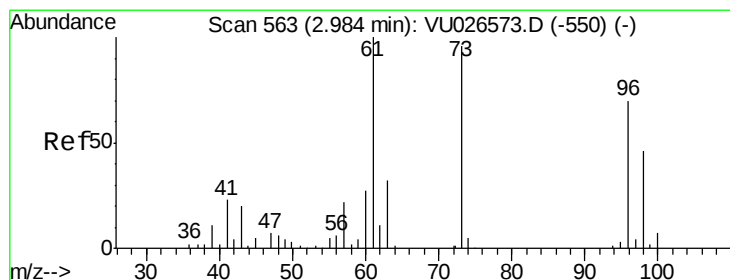
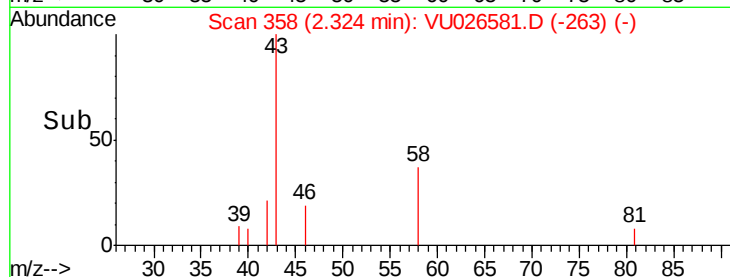
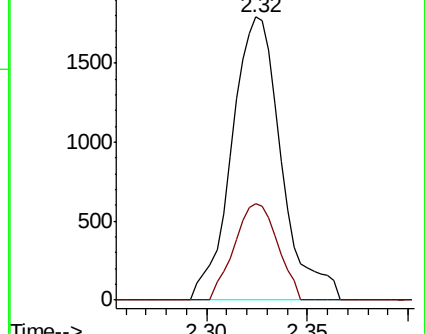
43 100

58 29.8 0.0 61.2



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#17

trans-1,2-Dichloroethene

Concen: 5.265 ug/L

RT: 2.98 min Scan# 563

Delta R.T. 0.00 min

Lab File: VU026581.D

Acq: 06 Sep 2018 15:34

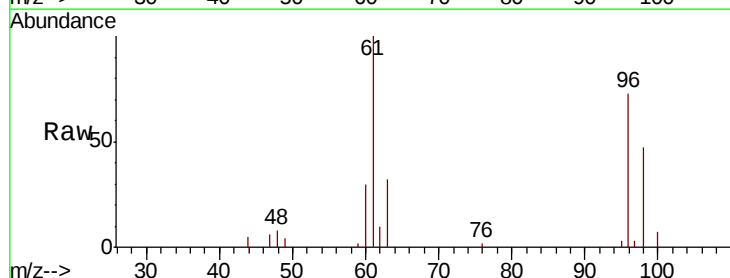
Tgt Ion: 96 Resp: 5665

Ion Ratio Lower Upper

96 100

61 136.3 103.2 191.6

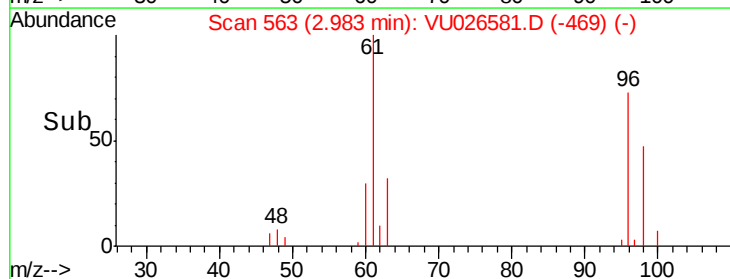
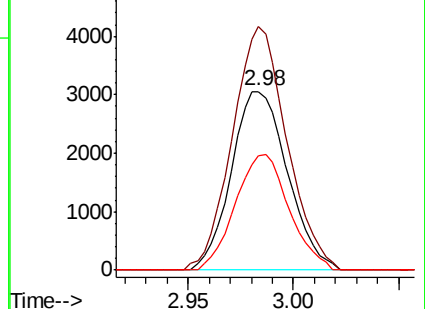
98 63.7 44.9 83.3

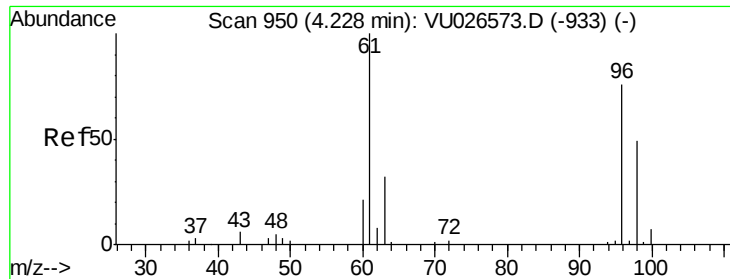


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

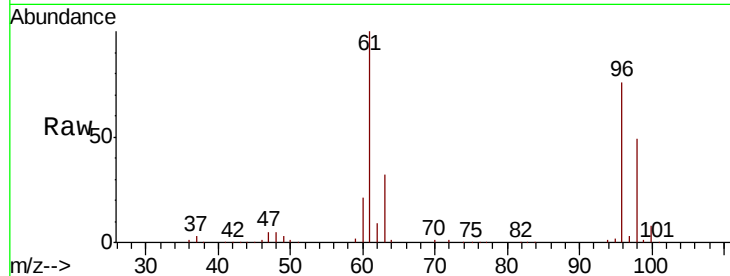




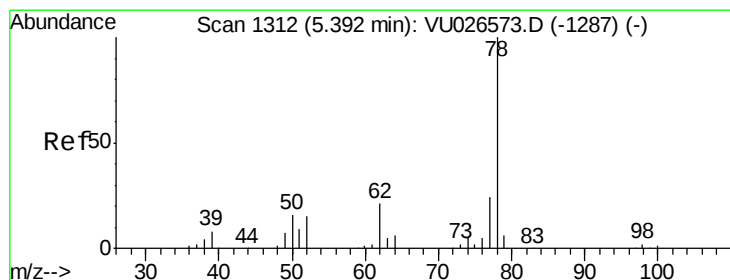
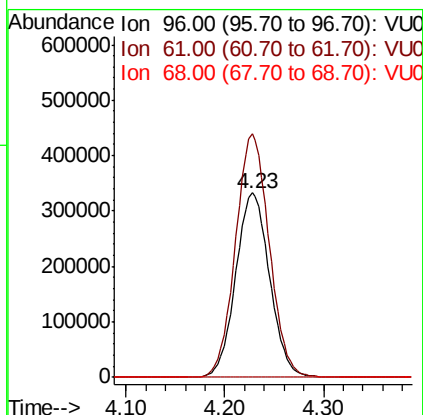
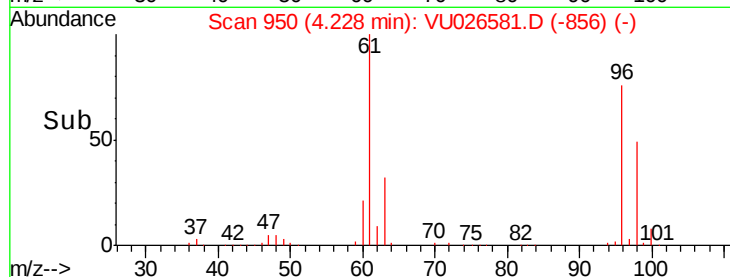
#20
 cis-1,2-Dichloroethene
 Concen: 657.955 ug/L
 RT: 4.23 min Scan# 950
 Delta R.T. 0.00 min
 Lab File: VU026581.D
 Acq: 06 Sep 2018 15:34

Instrument :
 MSVOA_U
 ClientSampleID :
 BEGD2

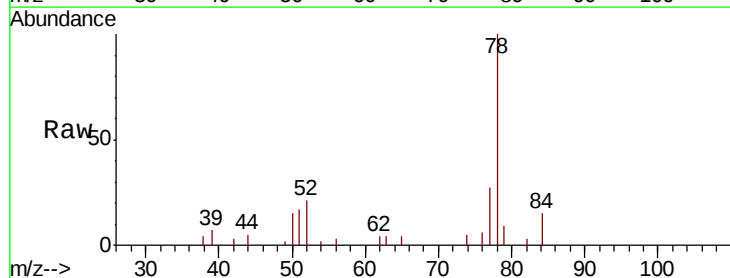
Tgt Ion: 96 Resp: 793132
 Ion Ratio Lower Upper
 96 100
 61 132.1 91.6 170.2
 68 0.0 0.0 0.0



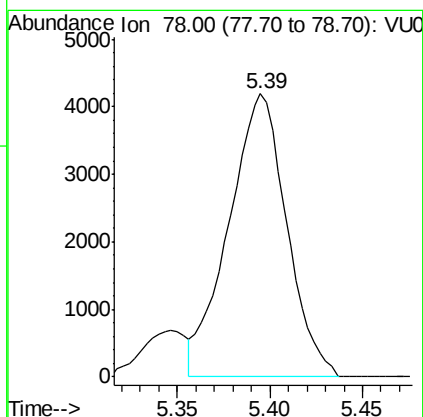
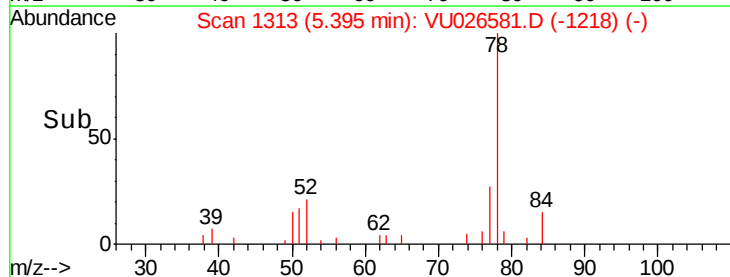
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 68.00 (67.70 to 68.70): VU0

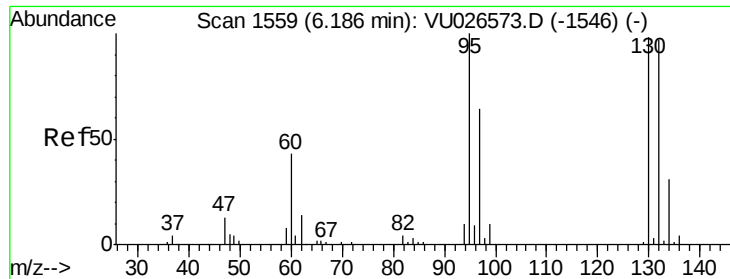


#33
 Benzene
 Concen: 2.074 ug/L
 RT: 5.39 min Scan# 1313
 Delta R.T. 0.00 min
 Lab File: VU026581.D
 Acq: 06 Sep 2018 15:34
 Tgt Ion: 78 Resp: 9112



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 24.897 ug/L

RT: 6.19 min Scan# 1559

Delta R.T. -0.00 min

Lab File: VU026581.D

Acq: 06 Sep 2018 15:34

Instrument :

MSVOA_U

ClientSampleId :

BEGD2

Tgt Ion: 95 Resp: 27438

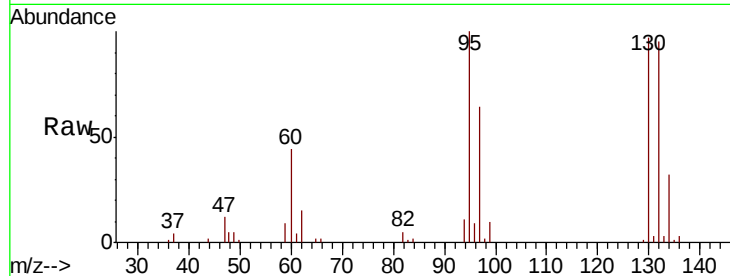
Ion Ratio Lower Upper

95 100

97 63.5 45.1 83.7

132 94.5 67.5 125.3

130 96.9 69.3 128.7

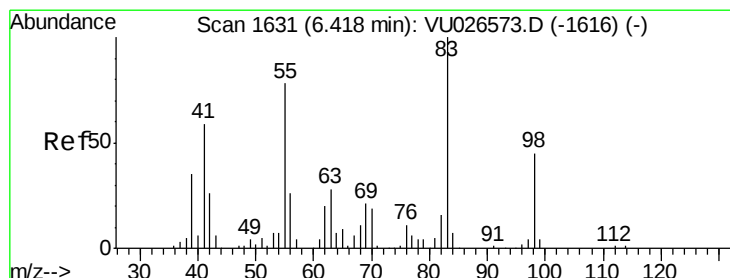
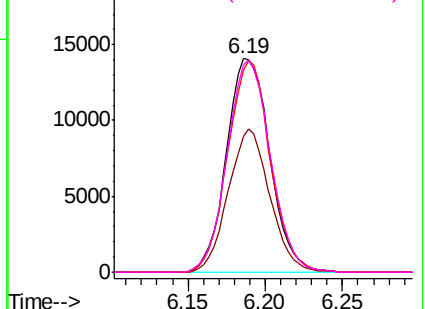
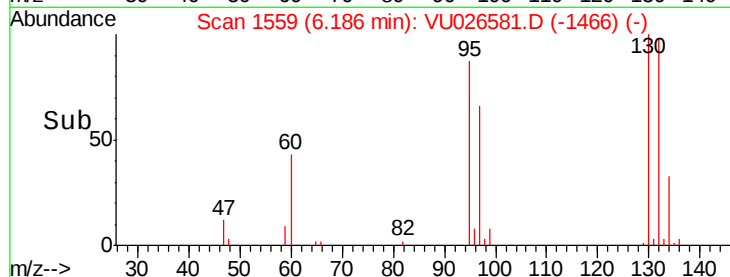


Abundance Ion 95.00 (94.70 to 95.70): VU0

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



#35

Methylcyclohexane

Concen: 7.997 ug/L

RT: 6.33 min Scan# 1605

Delta R.T. -0.09 min

Lab File: VU026581.D

Acq: 06 Sep 2018 15:34

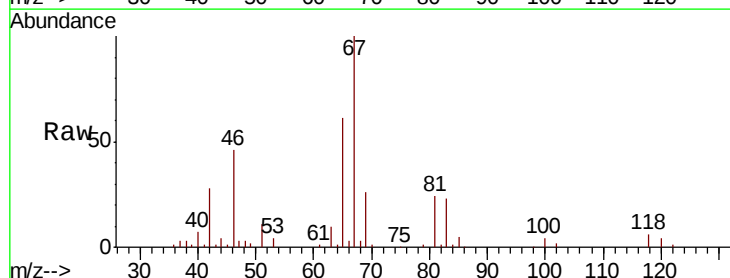
Tgt Ion: 83 Resp: 13762

Ion Ratio Lower Upper

83 100

55 0.0 63.3 94.9#

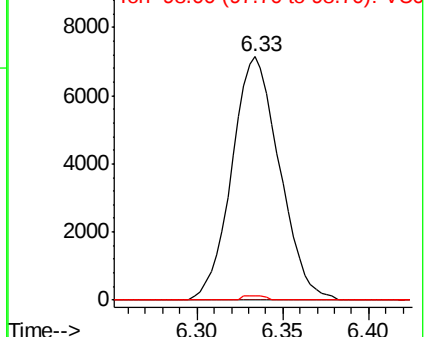
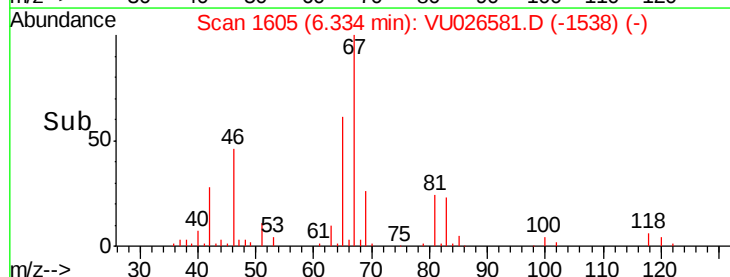
98 0.9 36.7 55.1#

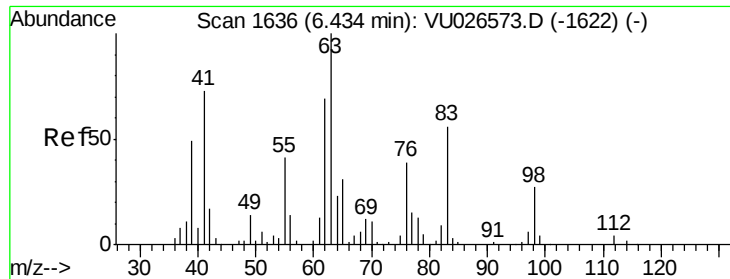


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

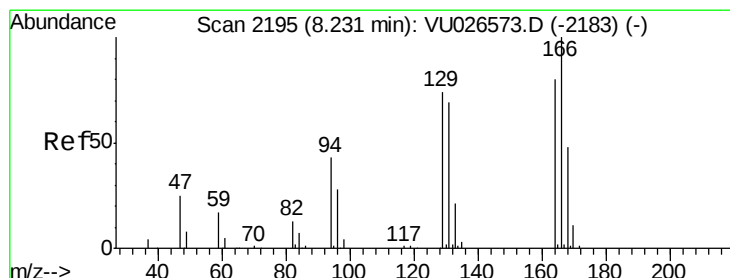
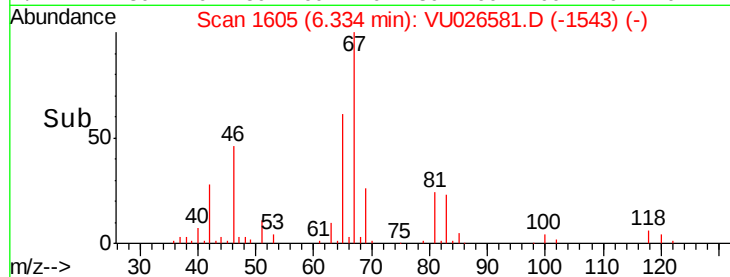
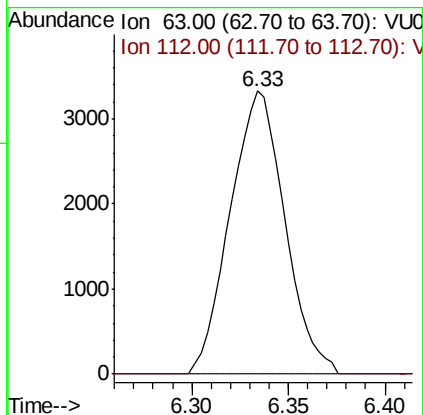
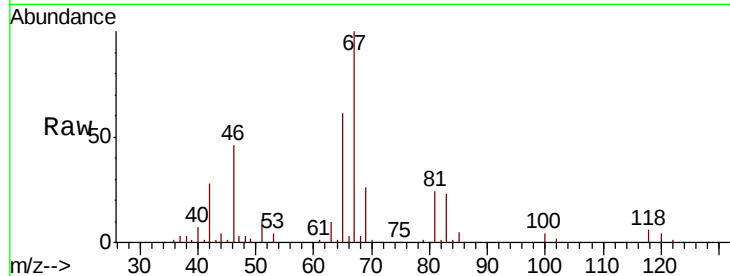




#37
 1,2-Dichloropropane
 Concen: 5.384 ug/L
 RT: 6.33 min Scan# 1605
 Delta R.T. -0.10 min
 Lab File: VU026581.D
 Acq: 06 Sep 2018 15:34

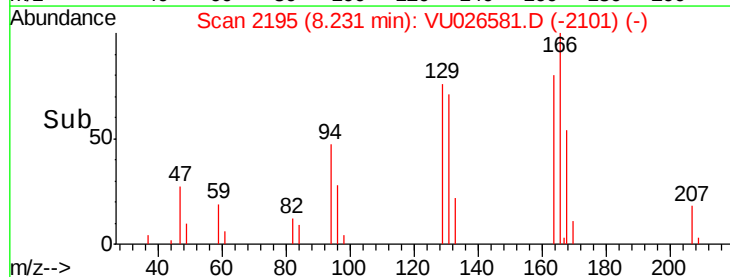
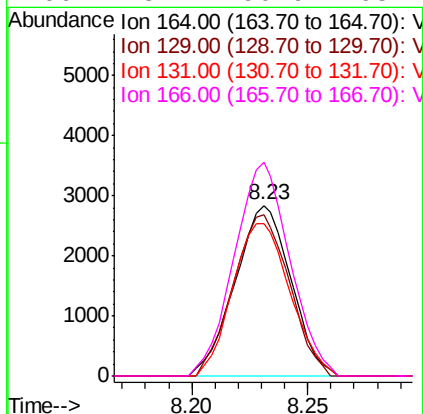
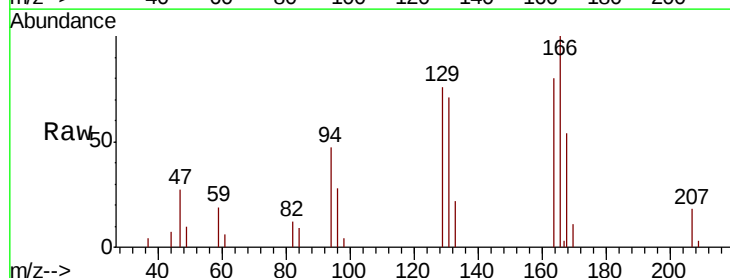
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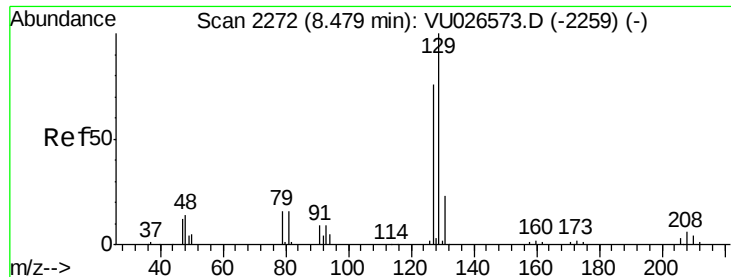
Tgt Ion: 63 Resp: 6549
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.0 4.6#



#46
 Tetrachloroethene
 Concen: 5.267 ug/L
 RT: 8.23 min Scan# 2195
 Delta R.T. 0.00 min
 Lab File: VU026581.D
 Acq: 06 Sep 2018 15:34

Tgt Ion: 164 Resp: 4746
 Ion Ratio Lower Upper
 164 100
 129 94.6 67.3 125.1
 131 89.2 65.3 121.3
 166 125.2 90.9 168.7

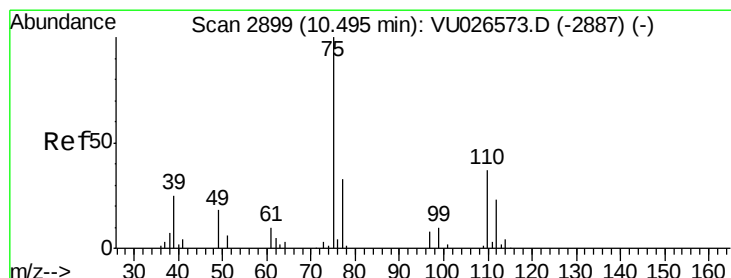
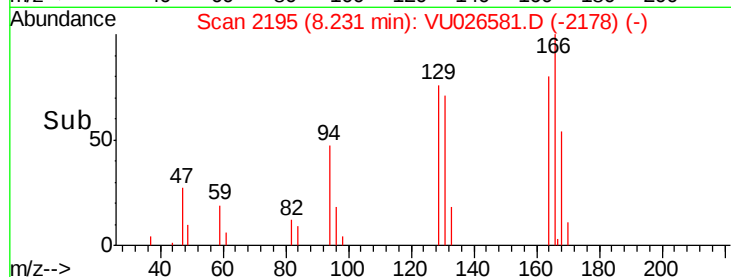
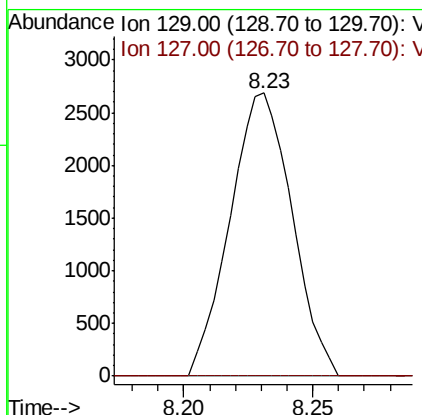
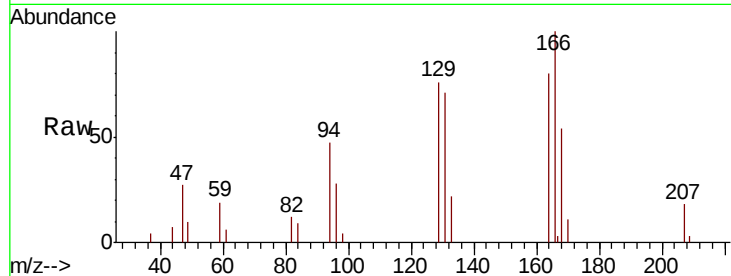




#49
 Dibromochloromethane
 Concen: 3.583 ug/L
 RT: 8.23 min Scan# 2195
 Delta R.T. -0.25 min
 Lab File: VU026581.D
 Acq: 06 Sep 2018 15:34

Instrument :
 MSVOA_U
 ClientSampleId :
 BEGD2

Tgt Ion: 129 Resp: 4498
 Ion Ratio Lower Upper
 129 100
 127 0.0 55.0 102.2#



#59
 1,2,3-Trichloropropane
 Concen: 5.145 ug/L
 RT: 11.48 min Scan# 3207
 Delta R.T. 0.99 min
 Lab File: VU026581.D
 Acq: 06 Sep 2018 15:34

Tgt Ion: 75 Resp: 7808
 Ion Ratio Lower Upper
 75 100
 77 39.0 25.0 37.6#

