

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071619\
 Data File : VU033267.D
 Acq On : 16 Jul 2019 17:00
 Operator : JC/SP
 Sample : K3772-04
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 A52M4

Quant Time: Jul 17 05:36:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR071619WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Jul 17 04:42:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	127695	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	127283	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	56585	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	57421	4.46	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.20%
7) Chloroethane-d5	1.67	69	50331	4.70	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.00%
11) 1,1-Dichloroethene-d2	2.26	63	109476	4.40	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	88.00%
20) 2-Butanone-d5	4.18	46	133035	54.90	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	109.80%
24) Chloroform-d	4.62	84	85850	4.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.40%
26) 1,2-Dichloroethane-d4	5.29	65	50358	4.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.20%
32) Benzene-d6	5.32	84	184325	5.20	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.00%
36) 1,2-Dichloropropane-d6	6.31	67	58785	5.21	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.20%
41) Toluene-d8	7.55	98	167035	4.98	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.60%
43) trans-1,3-Dichloropropene-	7.83	79	22477	4.97	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	99.40%
46) 2-Hexanone-d5	8.30	63	92517	49.83	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.66%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	48028	5.12	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.40%
64) 1,2-Dichlorobenzene-d4	11.85	152	60668	5.51	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	110.20%

Target Compounds

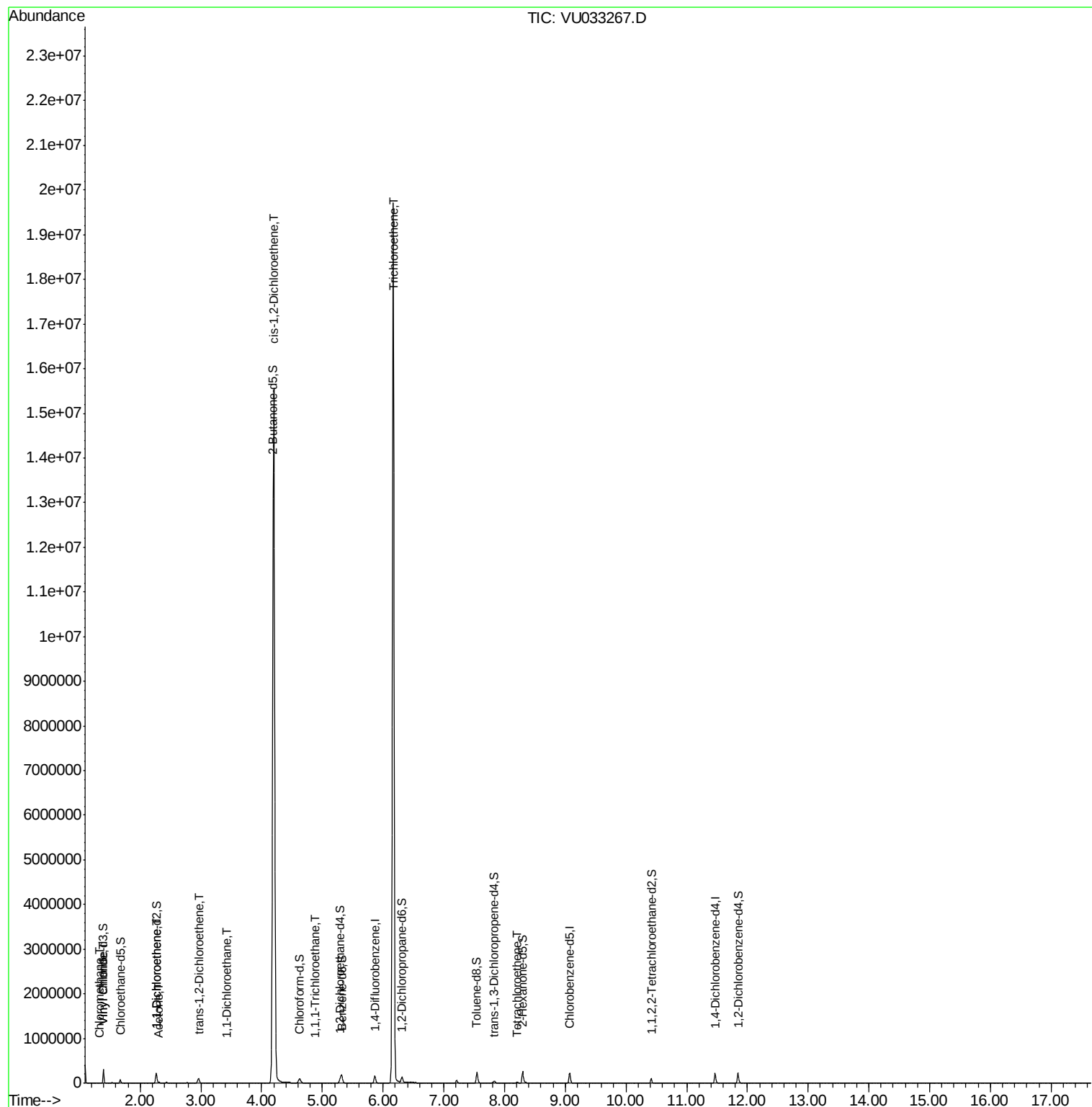
					Ovalue
3) Chloromethane	1.32	50	3617	0.283	ug/L 100
5) Vinyl chloride	1.40	62	147110	10.702	ug/L 100
12) 1,1-Dichloroethene	2.27	96	29976	2.857	ug/L 85
13) Acetone	2.31	43	7534	3.551	ug/L 97
18) trans-1,2-Dichloroethene	2.96	96	35652	3.077	ug/L 96
19) 1,1-Dichloroethane	3.42	63	9752	0.560	ug/L 94
22) cis-1,2-Dichloroethene	4.20	96	8091640	826.188	ug/L 94
29) 1,1,1-Trichloroethane	4.89	97	3753	0.255	ug/L # 84
34) Trichloroethene	6.17	95	6440110	675.201	ug/L 96
47) Tetrachloroethene	8.21	164	5487	0.718	ug/L 95

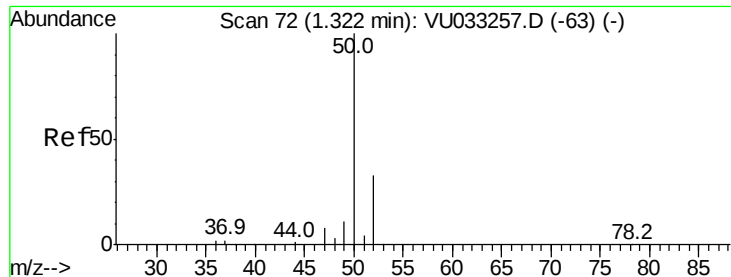
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Jul 17 04:42:24 2019
Response via : Initial Calibration





#3

Chloromethane

Concen: 0.283 ug/L

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU033267.D

Acq: 16 Jul 2019 17:00

Instrument :

MSVOA_U

ClientSampleId :

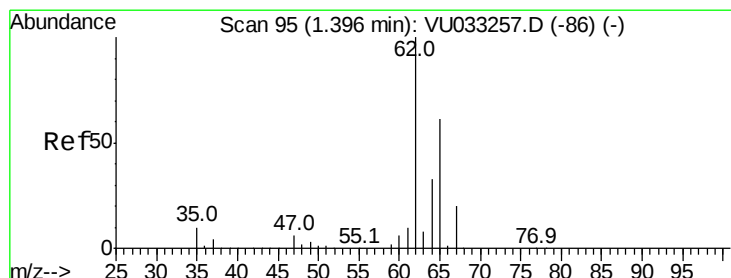
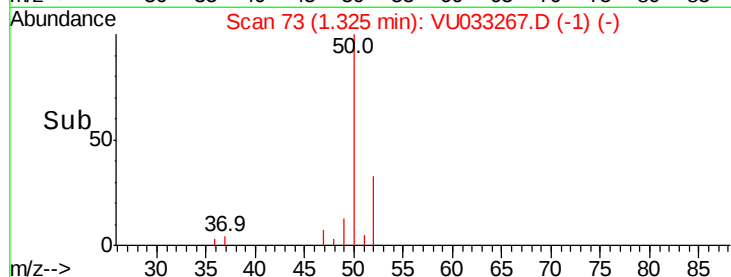
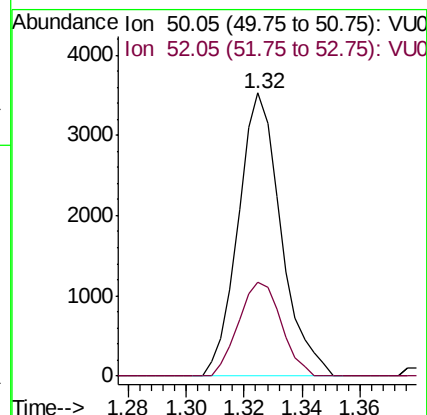
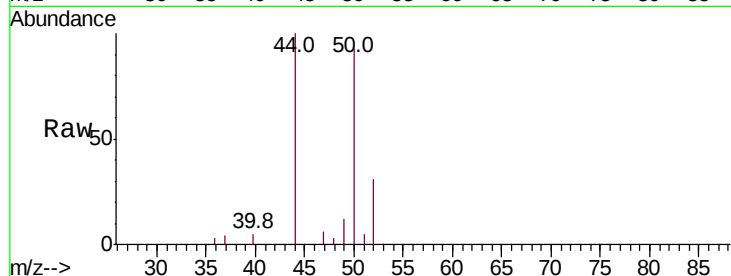
A52M4

Tot Ion: 50 Resp: 3617

Ion Ratio Lower Upper

50 100

52 33.2 23.3 43.3



#5

Vinyl chloride

Concen: 10.702 ug/L

RT: 1.40 min Scan# 95

Delta R.T. -0.00 min

Lab File: VU033267.D

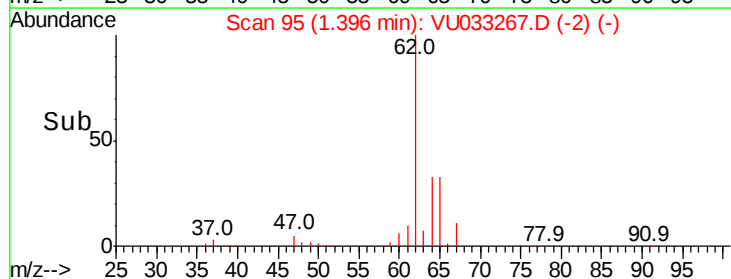
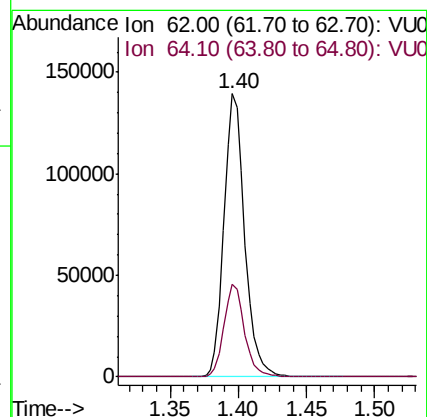
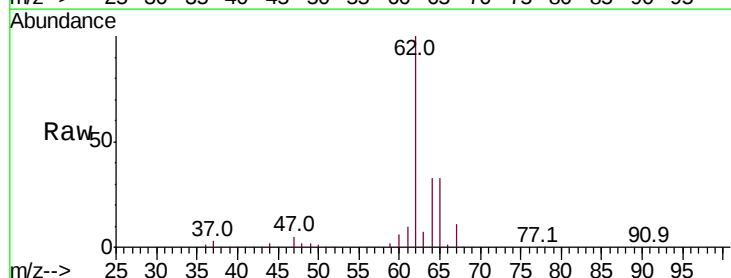
Acq: 16 Jul 2019 17:00

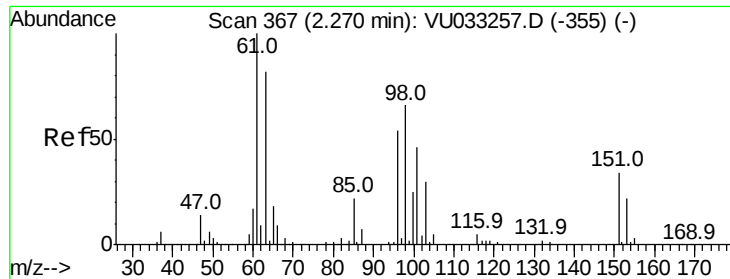
Tgt Ion: 62 Resp: 147110

Ion Ratio Lower Upper

62 100

64 32.6 22.8 42.4

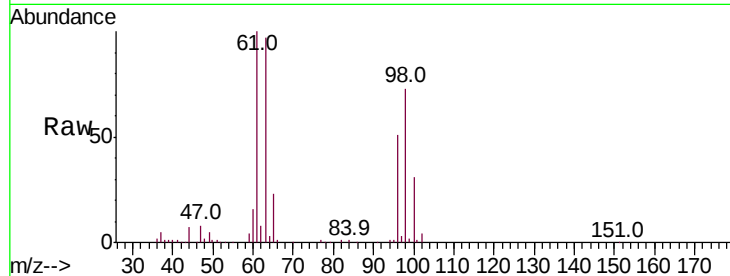




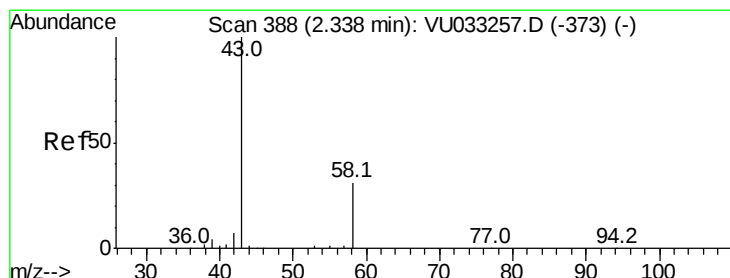
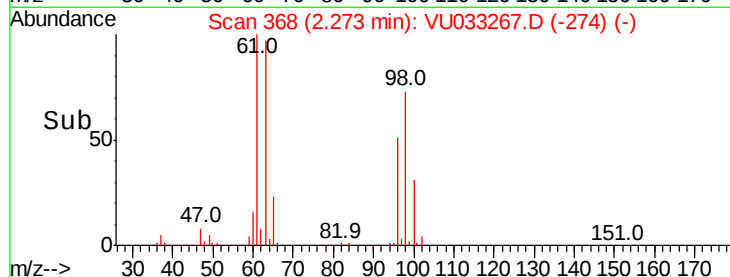
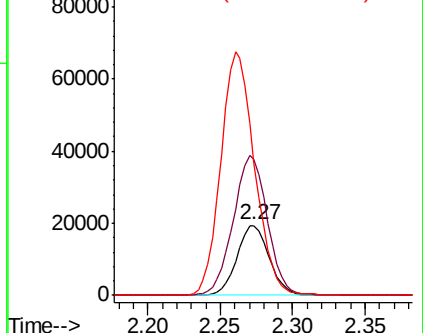
#12
 1,1-Dichloroethene
 Concen: 2.857 ug/L
 RT: 2.27 min Scan# 368
 Delta R.T. 0.00 min
 Lab File: VU033267.D
 Acq: 16 Jul 2019 17:00

Instrument :
 MSVOA_U
 ClientSampleId :
 A52M4

Tot Ion: 96 Resp: 29976
 Ion Ratio Lower Upper
 96 100
 61 194.7 129.3 240.1
 63 188.8 108.9 202.3

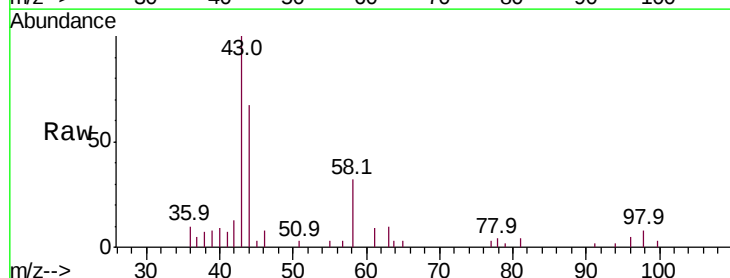


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 63.00 (62.70 to 63.70): VU0

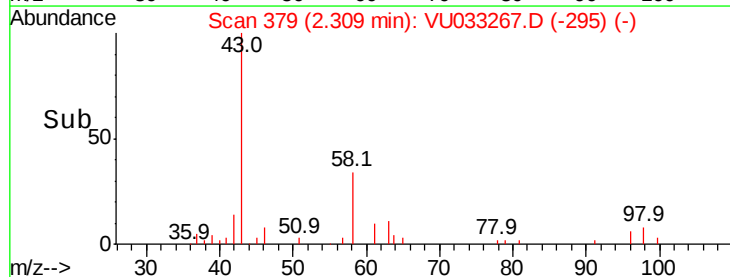
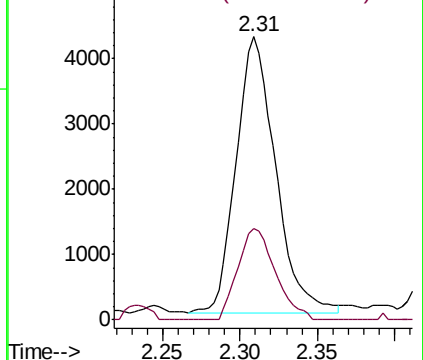


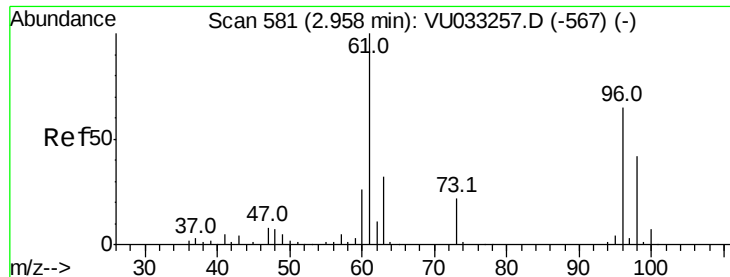
#13
 Acetone
 Concen: 3.551 ug/L
 RT: 2.31 min Scan# 379
 Delta R.T. -0.03 min
 Lab File: VU033267.D
 Acq: 16 Jul 2019 17:00

Tgt Ion: 43 Resp: 7534
 Ion Ratio Lower Upper
 43 100
 58 31.3 0.0 66.6



Abundance Ion 43.05 (42.75 to 43.75): VU0
 Ion 58.05 (57.75 to 58.75): VU0

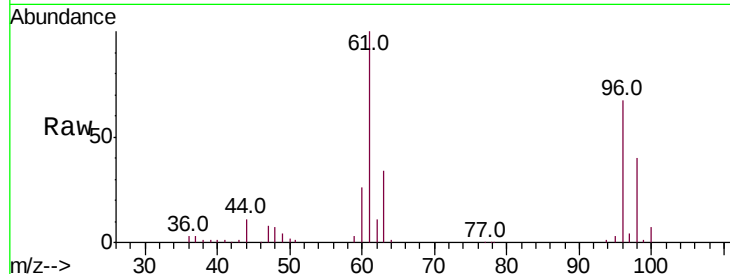




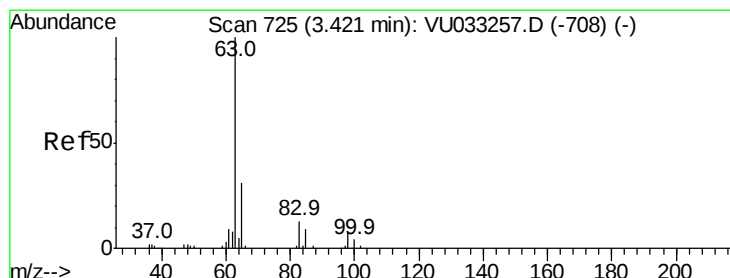
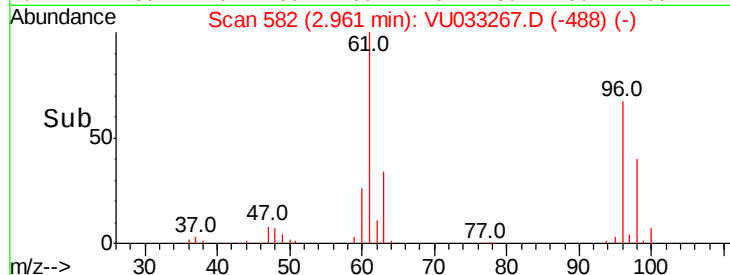
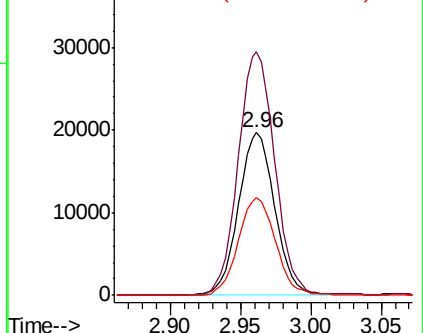
#18
trans-1,2-Dichloroethene
Concen: 3.077 ug/L
RT: 2.96 min Scan# 582
Delta R.T. 0.00 min
Lab File: VU033267.D
Acq: 16 Jul 2019 17:00

Instrument :
MSVOA_U
ClientSampleId :
A52M4

Tot Ion: 96 Resp: 35652
Ion Ratio Lower Upper
96 100
61 149.8 107.1 198.9
98 59.8 45.4 84.4

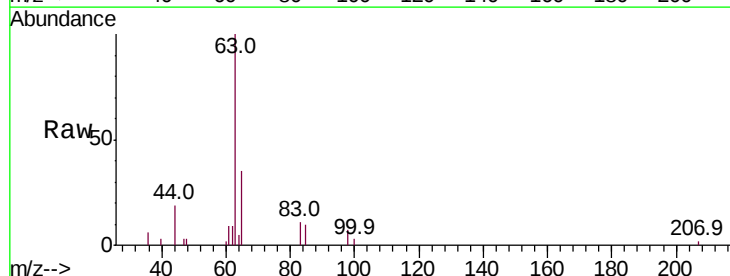


Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0

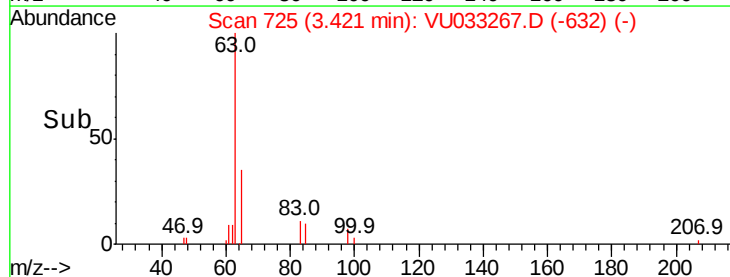
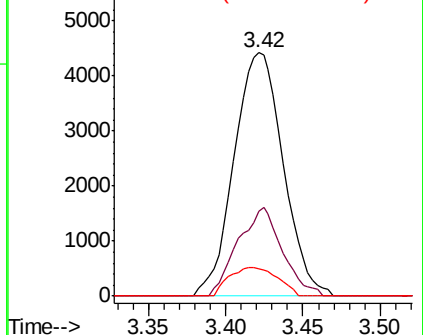


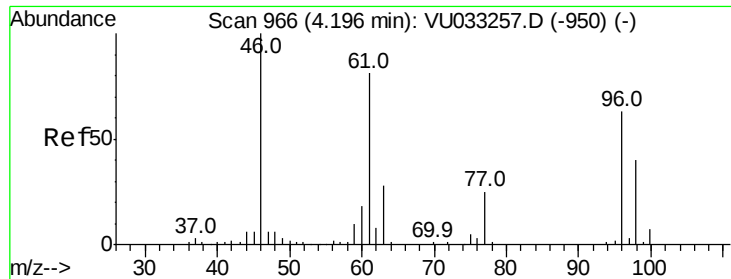
#19
1,1-Dichloroethane
Concen: 0.560 ug/L
RT: 3.42 min Scan# 725
Delta R.T. -0.00 min
Lab File: VU033267.D
Acq: 16 Jul 2019 17:00

Tgt Ion: 63 Resp: 9752
Ion Ratio Lower Upper
63 100
65 34.6 21.7 40.3
83 11.4 9.0 16.8



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 65.10 (64.80 to 65.80): VU0
Ion 83.05 (82.75 to 83.75): VU0



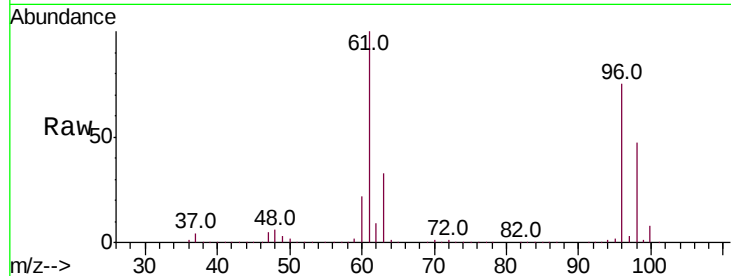


#22

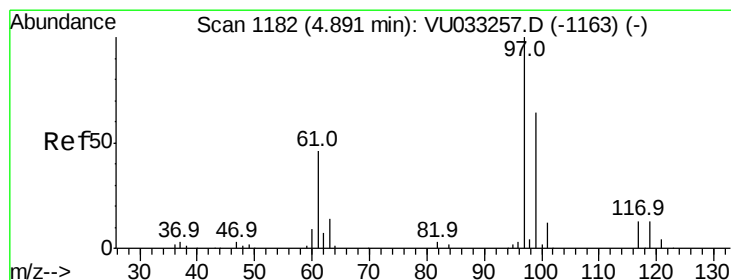
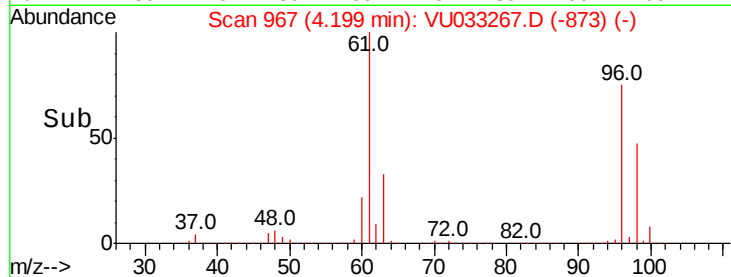
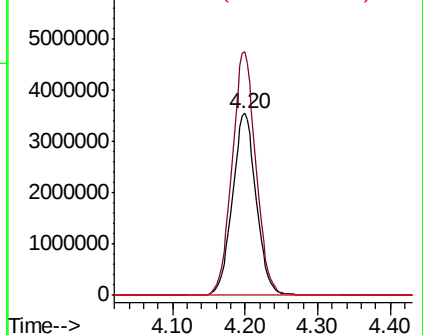
cis-1,2-Dichloroethene
Concen: 826.188 ug/L
RT: 4.20 min Scan# 967
Delta R.T. 0.00 min
Lab File: VU033267.D
Acq: 16 Jul 2019 17:00

Instrument :
MSVOA_U
ClientSampleId :
A52M4

Tot Ion: 96 Resp: 8091640
Ion Ratio Lower Upper
96 100
61 133.8 89.2 165.6
68 0.0 0.0 0.0



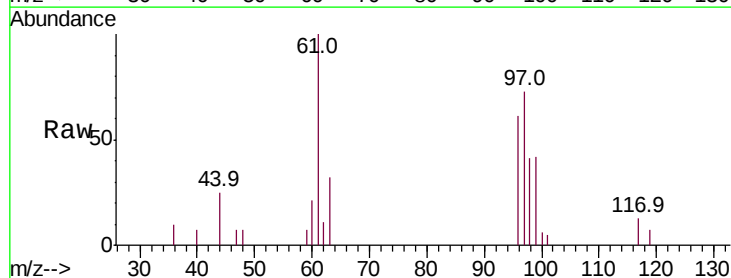
Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 68.15 (67.85 to 68.85): VU0



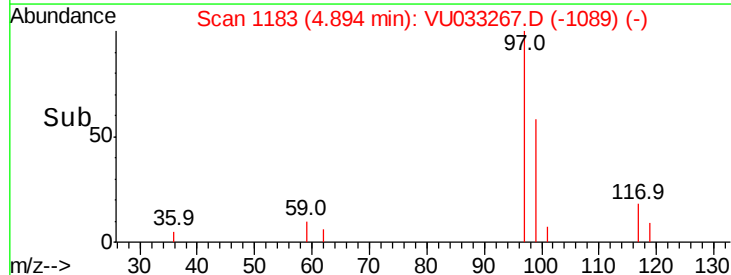
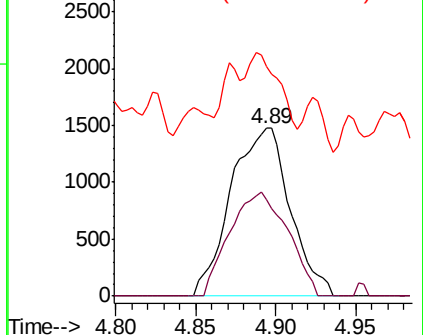
#29

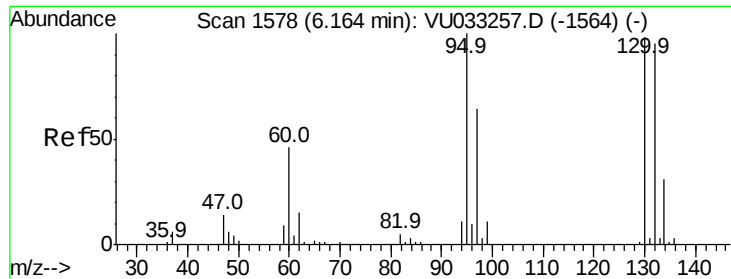
1,1,1-Trichloroethane
Concen: 0.255 ug/L
RT: 4.89 min Scan# 1183
Delta R.T. 0.00 min
Lab File: VU033267.D
Acq: 16 Jul 2019 17:00

Tgt Ion: 97 Resp: 3753
Ion Ratio Lower Upper
97 100
99 60.6 51.6 77.4
61 23.7 36.2 54.4#



Abundance Ion 96.95 (96.65 to 97.65): VU0
Ion 99.05 (98.75 to 99.75): VU0
Ion 61.05 (60.75 to 61.75): VU0



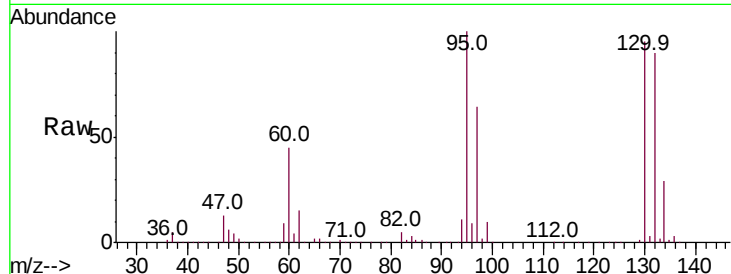


#34
 Trichloroethene
 Concen: 675.201 ug/L
 RT: 6.17 min Scan# 1579
 Delta R.T. 0.00 min
 Lab File: VU033267.D
 Acq: 16 Jul 2019 17:00

Instrument :
 MSVOA_U
 ClientSampleId :
 A52M4

Tot Ion: 95 Resp: 6440110

Ion	Ratio	Lower	Upper
95	100		
97	64.4	44.5	82.7
132	90.1	66.6	123.8
130	94.6	68.9	127.9



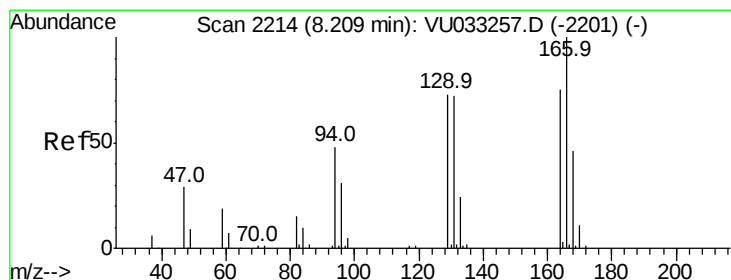
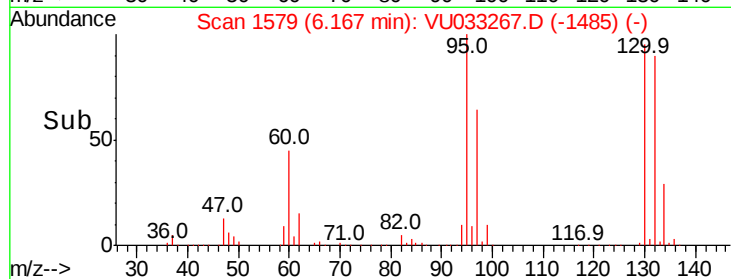
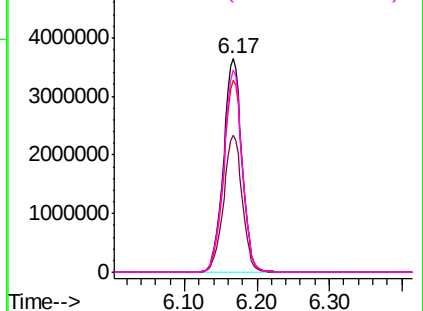
Abundance

Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#47
 Tetrachloroethene
 Concen: 0.718 ug/L
 RT: 8.21 min Scan# 2215
 Delta R.T. 0.00 min
 Lab File: VU033267.D
 Acq: 16 Jul 2019 17:00

Tgt Ion:164 Resp: 5487

Ion	Ratio	Lower	Upper
164	100		
129	91.0	68.5	127.1
131	101.8	67.3	124.9
166	136.1	93.1	172.9

Abundance

Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

