

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U101519\
 Data File : VU035185.D
 Acq On : 15 Oct 2019 12:19
 Operator : JC/SP
 Sample : K5311-05MSD
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 P0002-STEELE-191007-01MSD

Quant Time: Oct 15 15:49:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100719WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Oct 15 15:10:16 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	159570	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	164132	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	56215	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	43182	4.58	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	91.60%
7) Chloroethane-d5	1.68	69	42851	4.87	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.40%
11) 1,1-Dichloroethene-d2	2.26	63	86518	4.35	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	87.00%
20) 2-Butanone-d5	4.17	46	146163	52.62	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.24%
24) Chloroform-d	4.62	84	87211	4.95	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.00%
26) 1,2-Dichloroethane-d4	5.29	65	52400	4.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.20%
32) Benzene-d6	5.32	84	171936	4.47	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.40%
36) 1,2-Dichloropropane-d6	6.31	67	63291	4.92	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.40%
41) Toluene-d8	7.55	98	143603	3.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	77.20%
43) trans-1,3-Dichloropropene-	7.84	79	19489	4.21	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.20%
46) 2-Hexanone-d5	8.30	63	101966	46.30	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	92.60%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	55117	5.08	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.60%
64) 1,2-Dichlorobenzene-d4	11.85	152	46725	4.93	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.60%

Target Compounds

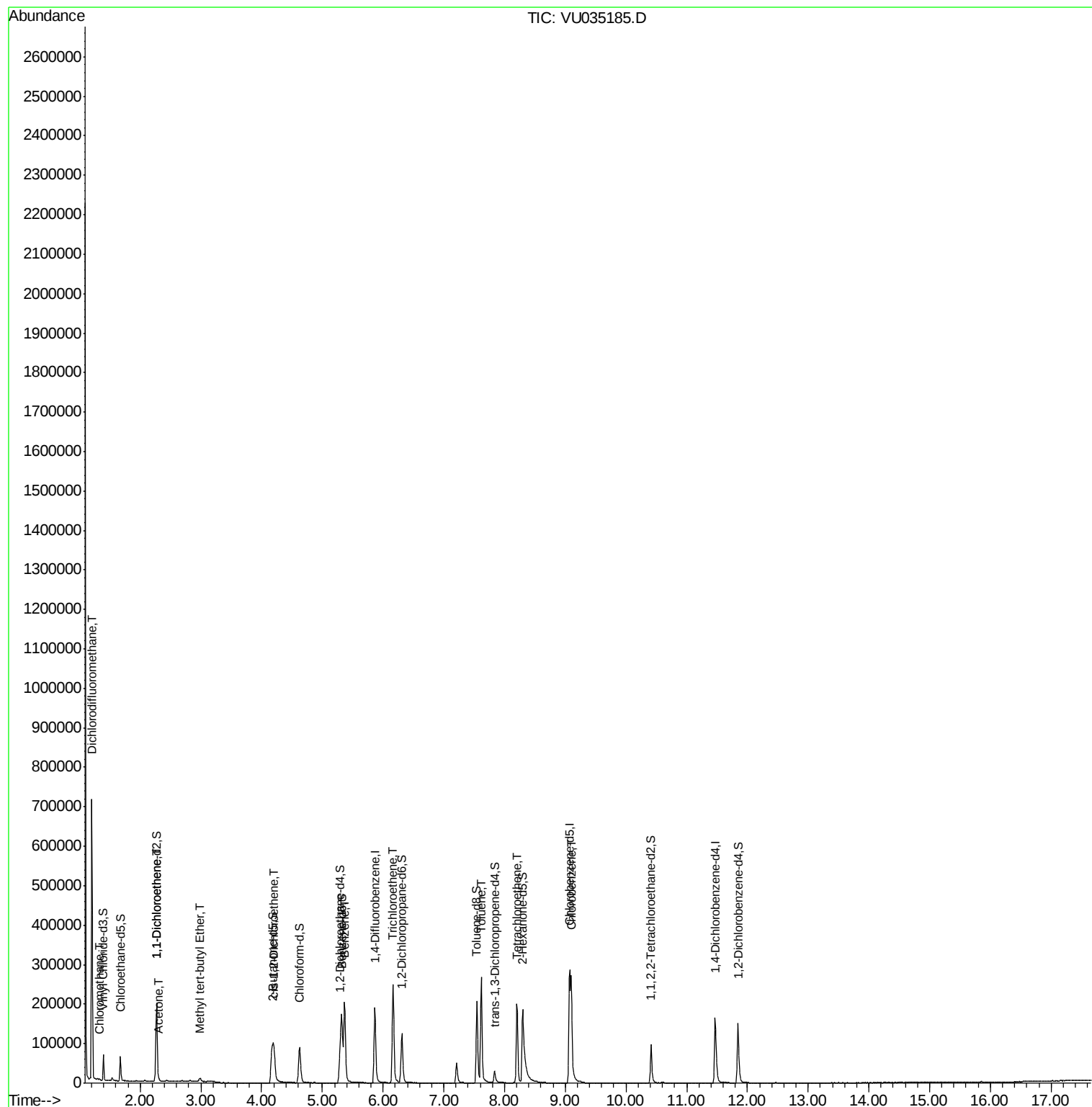
					Ovalue
2) Dichlorodifluoromethane	1.21	85	8599	0.590 ug/L	97
3) Chloromethane	1.32	50	1908	0.119 ug/L	98
12) 1,1-Dichloroethene	2.27	96	38670	3.773 ug/L	93
13) Acetone	2.31	43	3605	1.585 ug/L	87
17) Methyl tert-butyl Ether	2.99	73	7099	0.254 ug/L	96
22) cis-1,2-Dichloroethene	4.20	96	42372	3.461 ug/L	87
33) Benzene	5.37	78	198338	4.012 ug/L	100
34) Trichloroethene	6.16	95	90369	7.088 ug/L	98
42) Toluene	7.62	91	204520	3.963 ug/L	98
47) Tetrachloroethene	8.21	164	44699	4.331 ug/L	94
51) Chlorobenzene	9.10	112	147672	4.416 ug/L	98

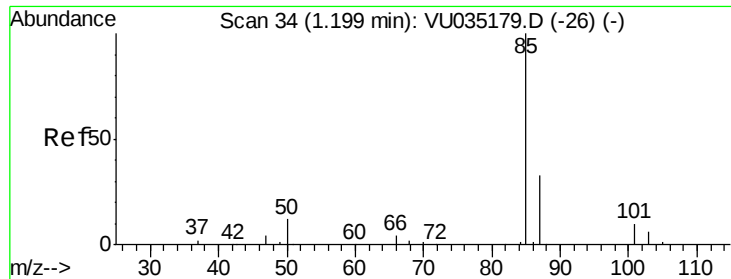
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 0.590 ug/L

RT: 1.21 min Scan# 36

Delta R.T. 0.01 min

Lab File: VU035185.D

Acq: 15 Oct 2019 12:19

Instrument :

MSVOA_U

ClientSampleId :

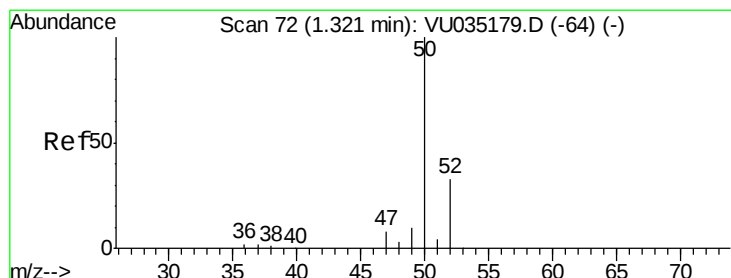
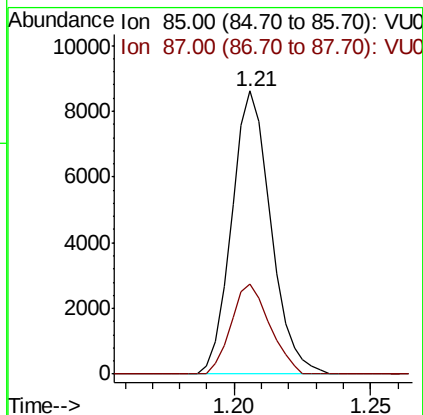
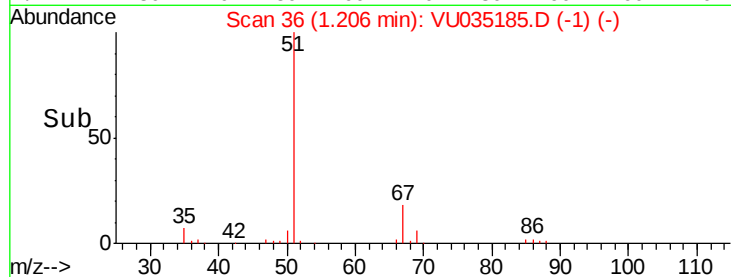
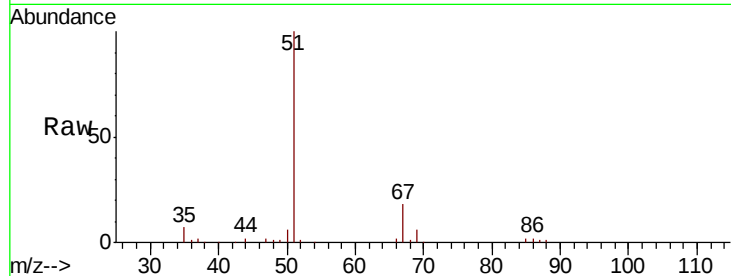
P0002-STEEL-191007-01MSD

Tot Ion: 85 Resp: 8599

Ion Ratio Lower Upper

85 100

87 31.3 26.3 39.5



#3

Chloromethane

Concen: 0.119 ug/L

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU035185.D

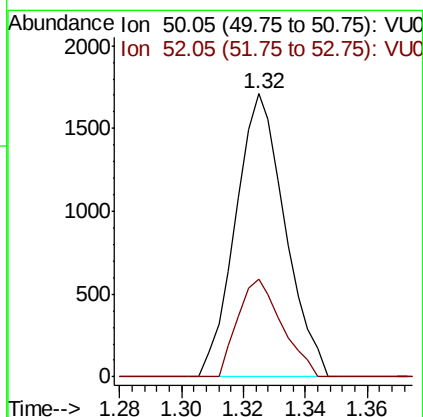
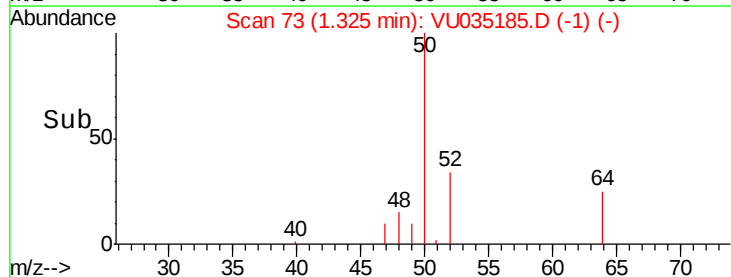
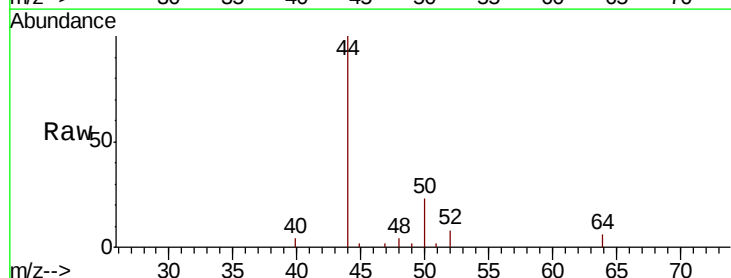
Acq: 15 Oct 2019 12:19

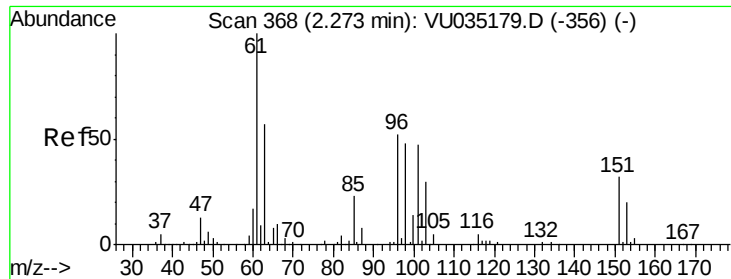
Tgt Ion: 50 Resp: 1908

Ion Ratio Lower Upper

50 100

52 34.5 23.3 43.3





#12

1,1-Dichloroethene

Concen: 3.773 ug/L

RT: 2.27 min Scan# 368

Delta R.T. 0.00 min

Lab File: VU035185.D

Acq: 15 Oct 2019 12:19

Instrument :

MSVOA_U

ClientSampleId :

P0002-STEELE-191007-01MSD

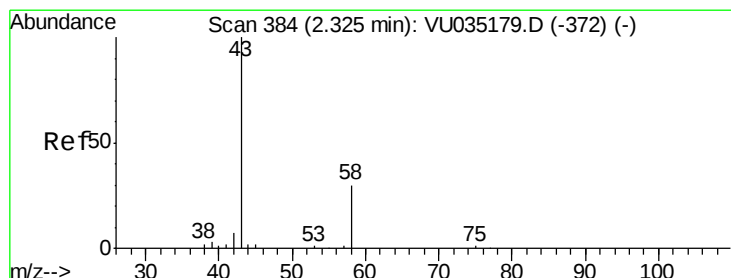
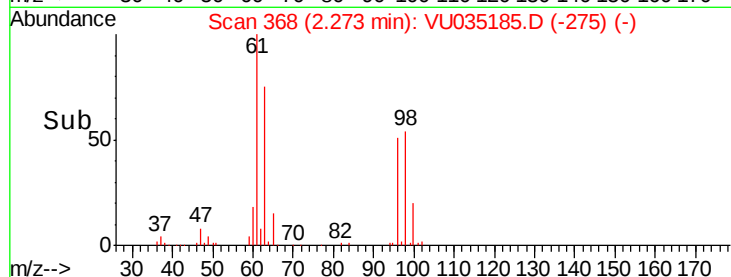
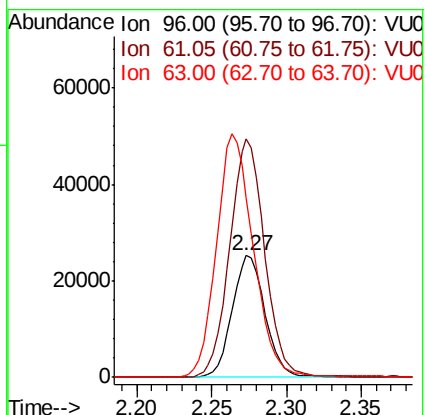
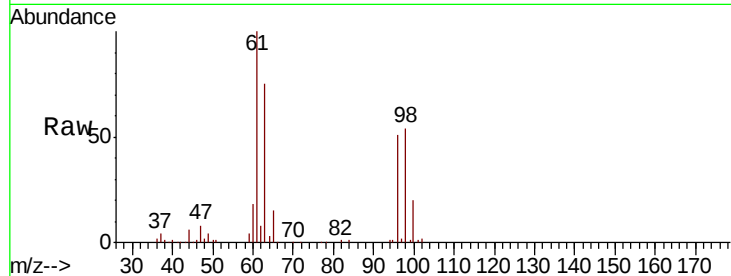
Tot Ion: 96 Resp: 38670

Ion Ratio Lower Upper

96 100

61 196.3 129.3 240.1

63 147.6 108.9 202.3



#13

Acetone

Concen: 1.585 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VU035185.D

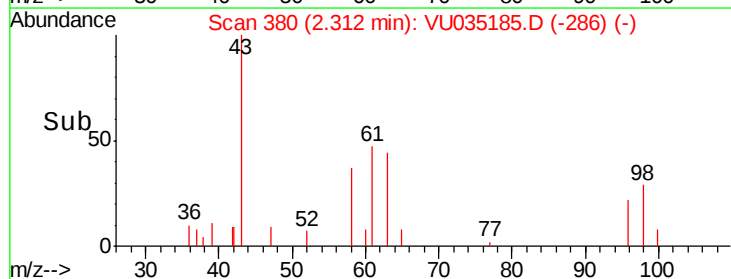
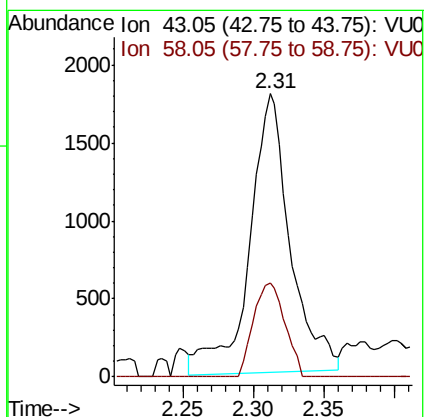
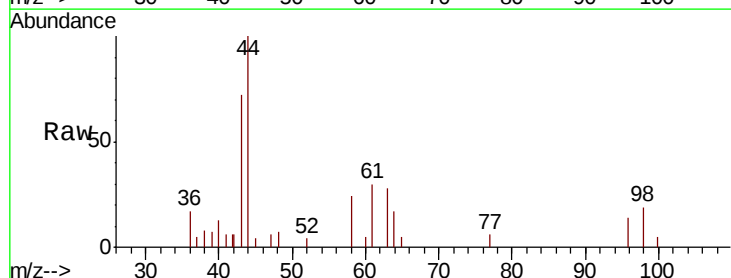
Acq: 15 Oct 2019 12:19

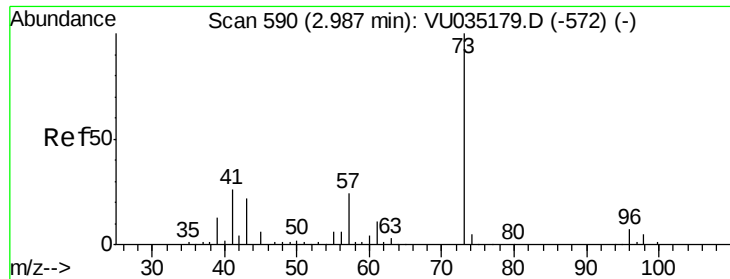
Tgt Ion: 43 Resp: 3605

Ion Ratio Lower Upper

43 100

58 26.0 0.0 66.6

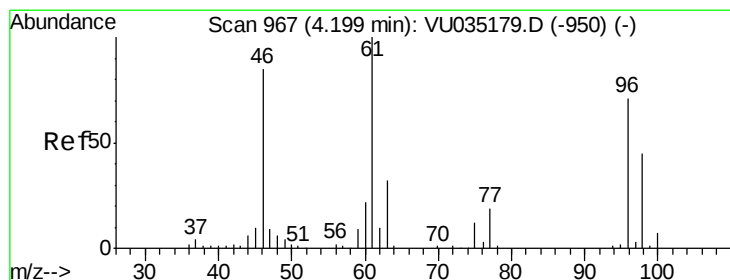
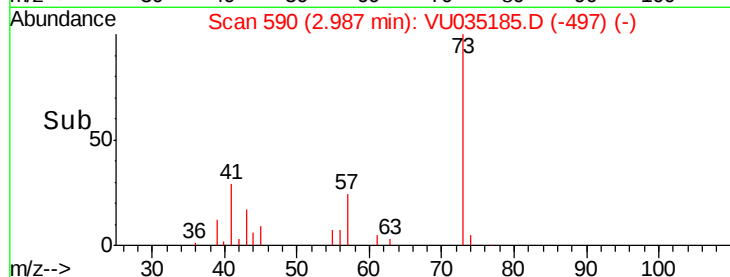
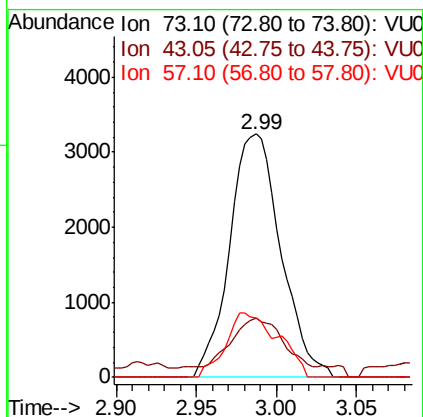
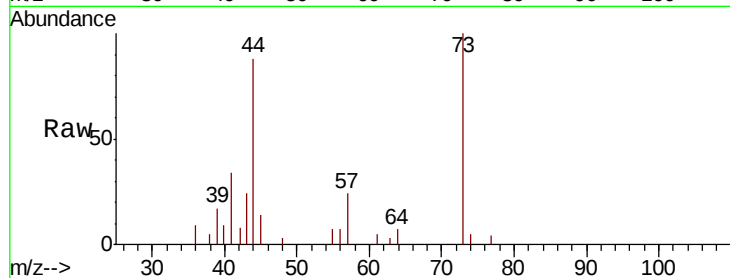




#17
Methvl tert-butvl Ether
Concen: 0.254 ug/L
RT: 2.99 min Scan# 590
Delta R.T. 0.00 min
Lab File: VU035185.D
Acq: 15 Oct 2019 12:19

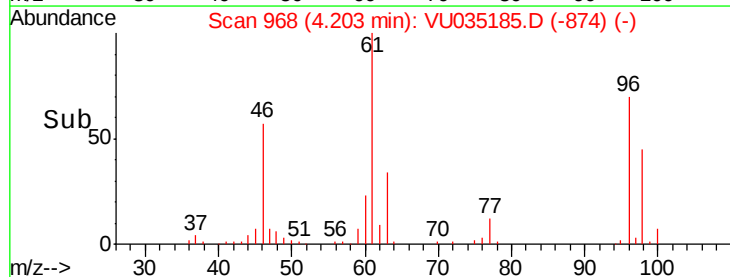
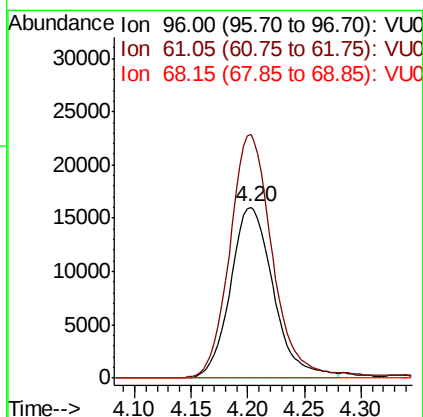
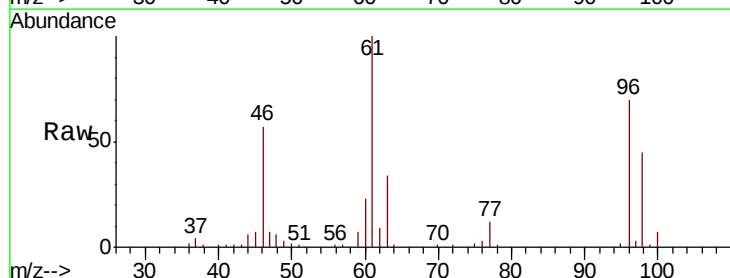
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P0002-STEEL-191007-01MSD

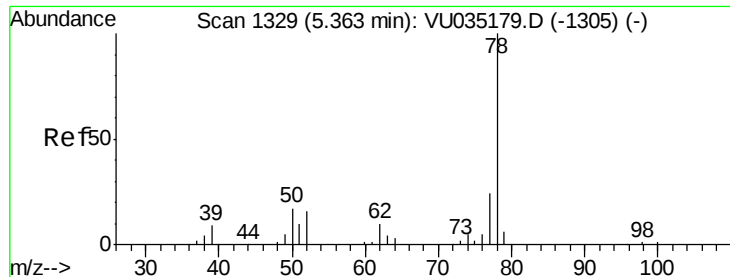
Tot Ion: 73 Resp: 7099
Ion Ratio Lower Upper
73 100
43 20.5 16.3 24.5
57 27.2 18.6 28.0



#22
cis-1,2-Dichloroethene
Concen: 3.461 ug/L
RT: 4.20 min Scan# 968
Delta R.T. 0.00 min
Lab File: VU035185.D
Acq: 15 Oct 2019 12:19

Tgt Ion: 96 Resp: 42372
Ion Ratio Lower Upper
96 100
61 142.2 89.2 165.6
68 0.0 0.0 0.0





#33

Benzene

Concen: 4.012 ug/L

RT: 5.37 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VU035185.D

Acq: 15 Oct 2019 12:19

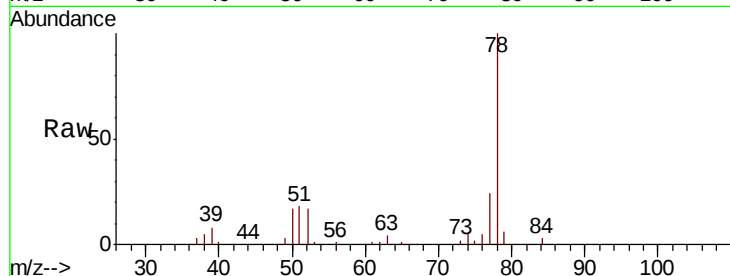
Instrument :

MSVOA_U

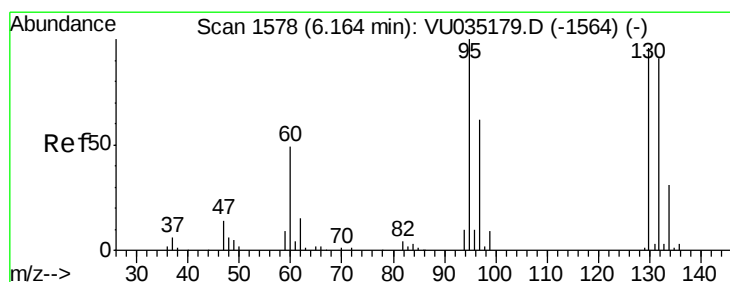
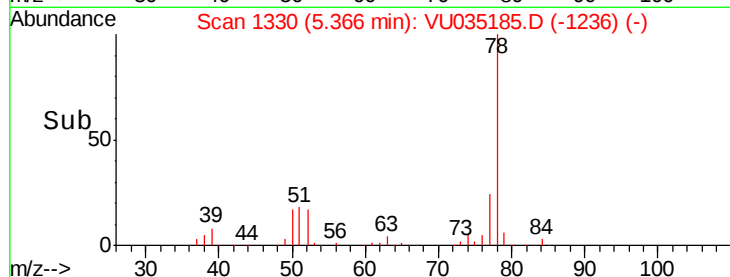
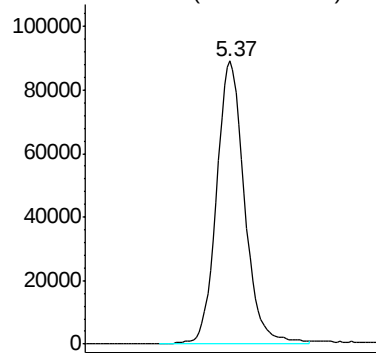
ClientSampleId :

P0002-STEELE-191007-01MSD

Tgt Ion: 78 Resp: 198338



Abundance Ion 78.10 (77.80 to 78.80): VU0



#34

Trichloroethene

Concen: 7.088 ug/L

RT: 6.16 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VU035185.D

Acq: 15 Oct 2019 12:19

Tgt Ion: 95 Resp: 90369

Ion	Ratio	Lower	Upper
95	100		
97	62.8	44.5	82.7
132	92.3	66.6	123.8
130	96.1	68.9	127.9

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

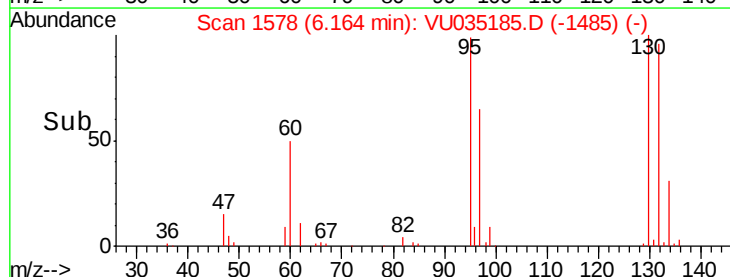
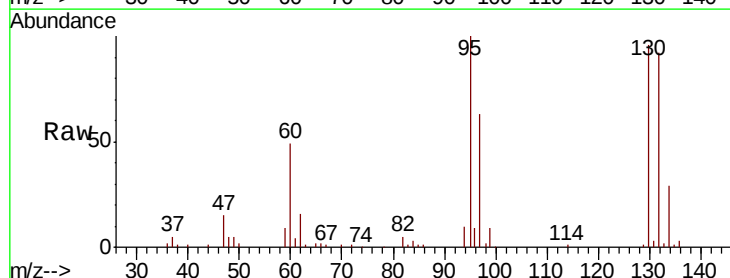
Ion 129.95 (129.65 to 130.65): V

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



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

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

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

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

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

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

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

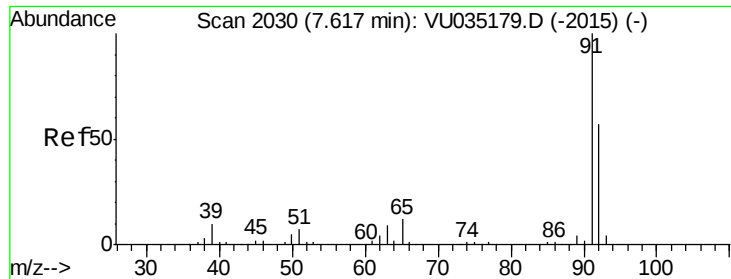
Ion 129.95 (129.65 to 130.65): V

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



#42

Toluene

Concen: 3.963 ug/L

RT: 7.62 min Scan# 2030

Delta R.T. 0.00 min

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ClientSampleId :

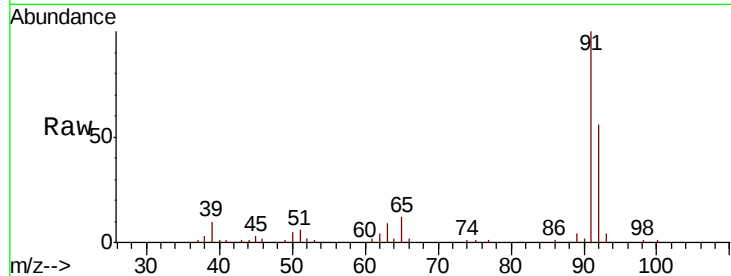
P0002-STEELE-191007-01MSD

Tot Ion: 91 Resp: 204520

Ion Ratio Lower Upper

91 100

92 55.7 40.0 74.2



Abundance Ion 91.15 (90.85 to 91.85): VU035185.D (-2120) (-)

Ion 92.15 (91.85 to 92.85): VU035185.D (-2120) (-)

7.62

120000

100000

80000

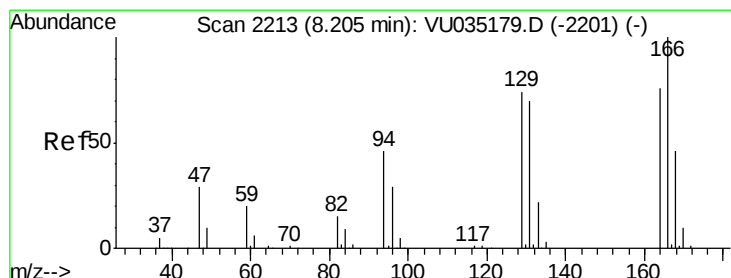
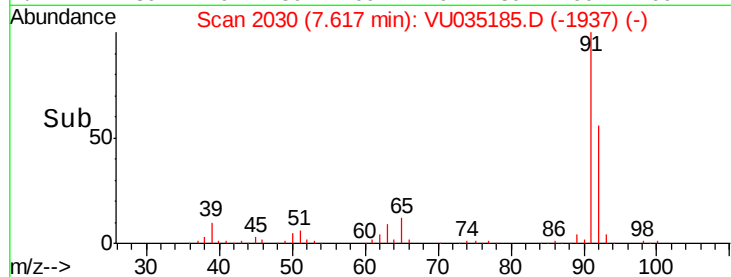
60000

40000

20000

0

Time-->



#47

Tetrachloroethene

Concen: 4.331 ug/L

RT: 8.21 min Scan# 2214

Delta R.T. 0.00 min

Lab File: VU035185.D

Acq: 15 Oct 2019 12:19

Tgt Ion: 164 Resp: 44699

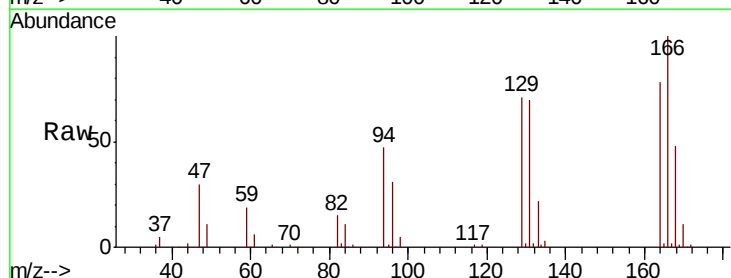
Ion Ratio Lower Upper

164 100

129 91.2 68.5 127.1

131 90.0 67.3 124.9

166 127.9 93.1 172.9



Abundance Ion 163.90 (163.60 to 164.60): VU035185.D (-2120) (-)

Ion 128.95 (128.65 to 129.65): VU035185.D (-2120) (-)

Ion 130.95 (130.65 to 131.65): VU035185.D (-2120) (-)

Ion 165.90 (165.60 to 166.60): VU035185.D (-2120) (-)

50000

40000

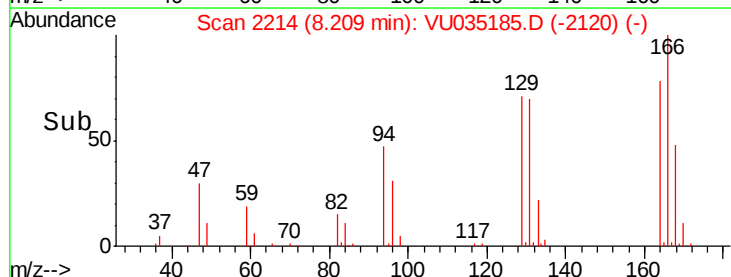
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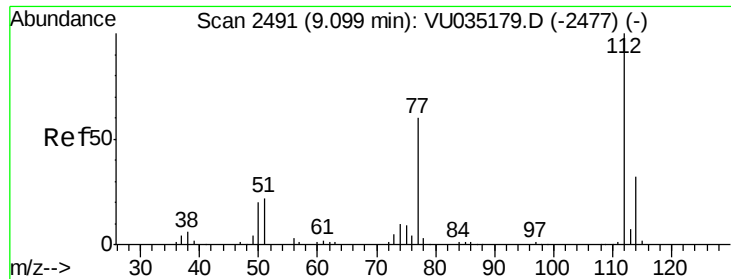
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Time-->





#51
 Chlorobenzene
 Concen: 4.416 ug/L
 RT: 9.10 min Scan# 2491
 Delta R.T. 0.00 min
 Lab File: VU035185.D
 Acq: 15 Oct 2019 12:19

Instrument :
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Tot Ion	Ratio	Lower	Upper
112	100		
114	31.4	22.1	41.1
77	60.4	46.9	70.3

