

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U101519\
 Data File : VU035184.D
 Acq On : 15 Oct 2019 11:55
 Operator : JC/SP
 Sample : K5311-04MS
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

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

Quant Time: Oct 15 15:33:39 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	158858	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	163570	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	61434	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	41989	4.47	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.40%
7) Chloroethane-d5	1.67	69	41925	4.78	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.60%
11) 1,1-Dichloroethene-d2	2.26	63	82517	4.17	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	83.40%
20) 2-Butanone-d5	4.18	46	149008	53.88	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.76%
24) Chloroform-d	4.62	84	85096	4.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.00%
26) 1,2-Dichloroethane-d4	5.29	65	52008	4.95	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.00%
32) Benzene-d6	5.32	84	164675	4.29	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.80%
36) 1,2-Dichloropropane-d6	6.31	67	61821	4.82	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.40%
41) Toluene-d8	7.55	98	137240	3.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	74.00%
43) trans-1,3-Dichloropropene-	7.84	79	18971	4.11	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.20%
46) 2-Hexanone-d5	8.30	63	101389	46.20	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	92.40%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	52722	4.88	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.60%
64) 1,2-Dichlorobenzene-d4	11.84	152	48933	4.72	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.40%

Target Compounds

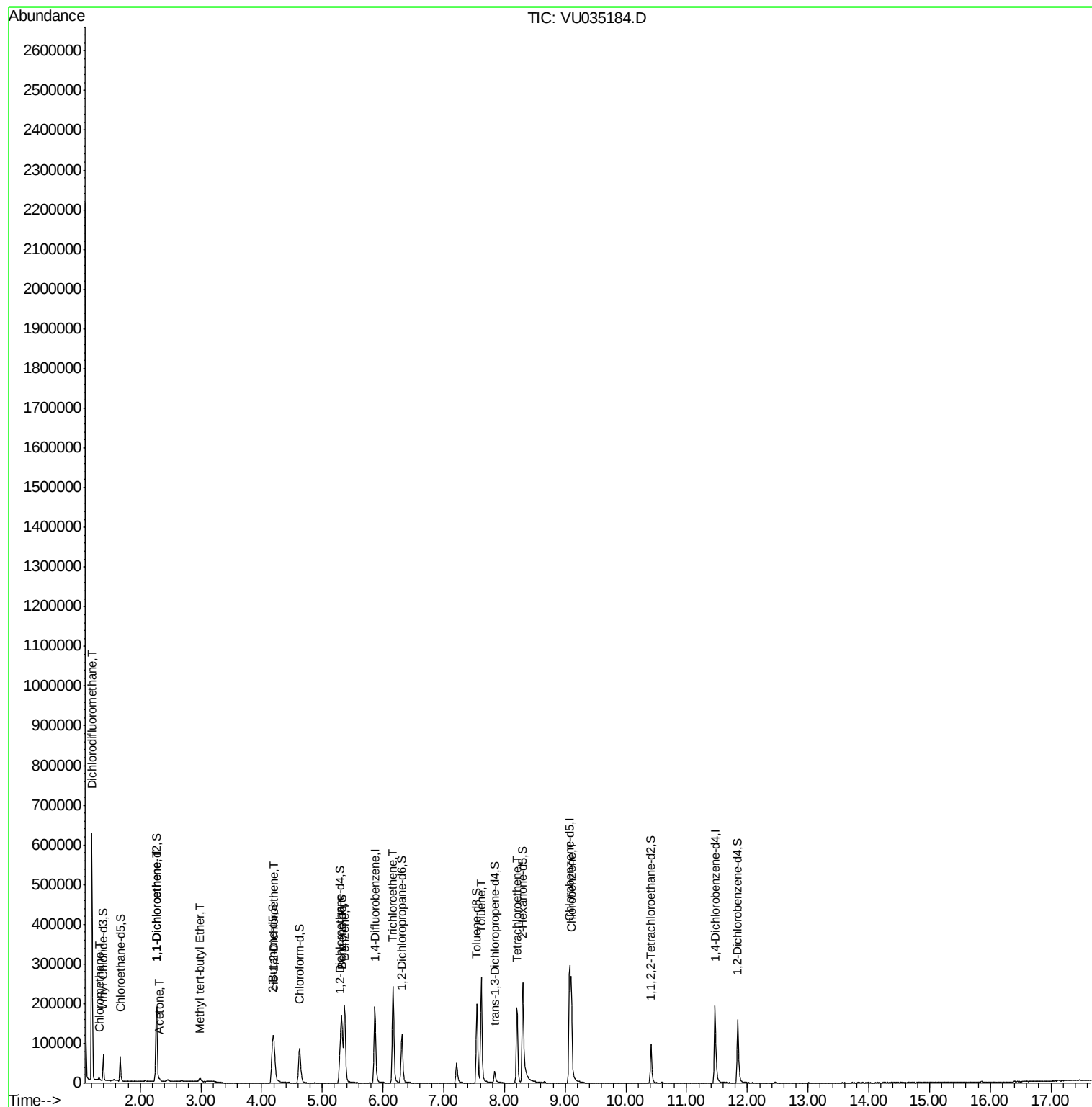
					Ovalue
2) Dichlorodifluoromethane	1.21	85	7455	0.514 ug/L	92
3) Chloromethane	1.32	50	4948	0.311 ug/L	99
12) 1,1-Dichloroethene	2.27	96	36436	3.571 ug/L	89
13) Acetone	2.32	43	6392	2.822 ug/L	94
17) Methyl tert-butyl Ether	2.99	73	7273	0.261 ug/L #	92
22) cis-1,2-Dichloroethene	4.20	96	41433	3.400 ug/L	86
33) Benzene	5.37	78	192876	3.915 ug/L	100
34) Trichloroethene	6.16	95	88794	6.988 ug/L	98
42) Toluene	7.62	91	200936	3.907 ug/L	97
47) Tetrachloroethene	8.21	164	42388	4.121 ug/L	94
51) Chlorobenzene	9.10	112	141136	4.235 ug/L	98

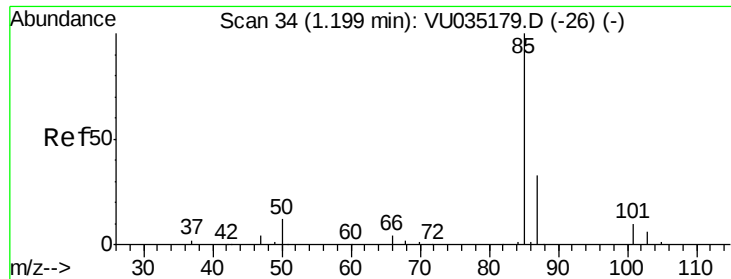
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 0.514 ug/L

RT: 1.21 min Scan# 36

Delta R.T. 0.01 min

Lab File: VU035184.D

Acq: 15 Oct 2019 11:55

Instrument :

MSVOA_U

ClientSampleId :

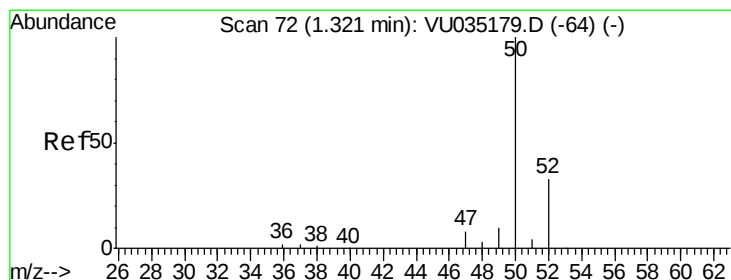
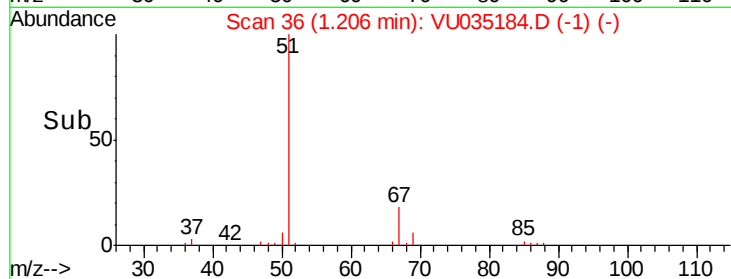
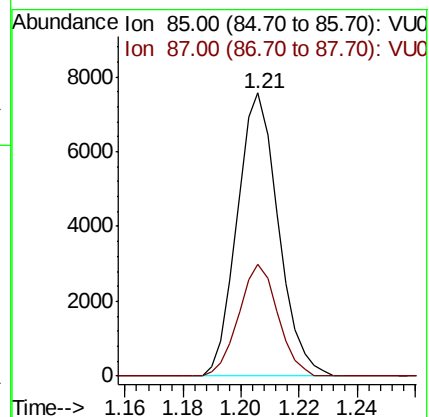
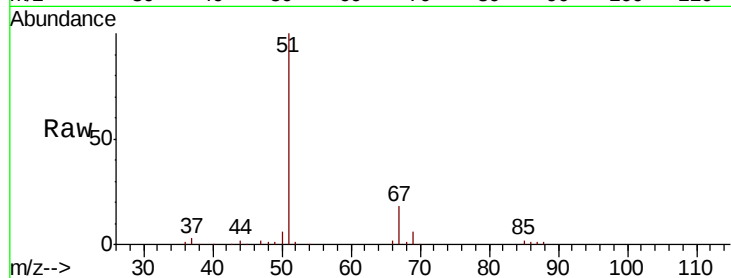
P0002-STEELE-191007-01MS

Tot Ion: 85 Resp: 7455

Ion Ratio Lower Upper

85 100

87 37.6 26.3 39.5



#3

Chloromethane

Concen: 0.311 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VU035184.D

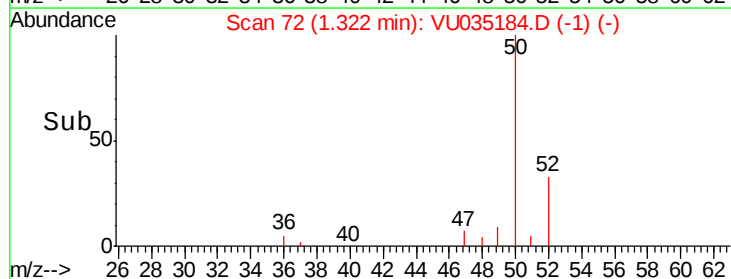
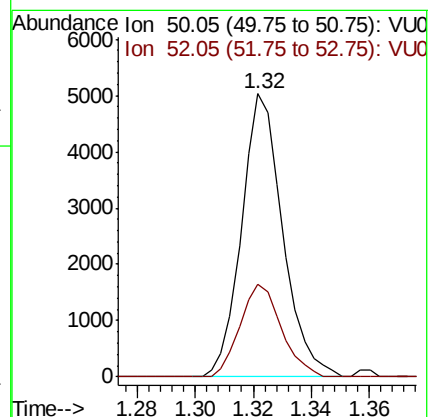
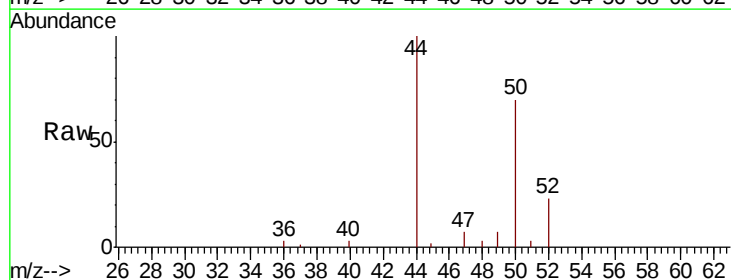
Acq: 15 Oct 2019 11:55

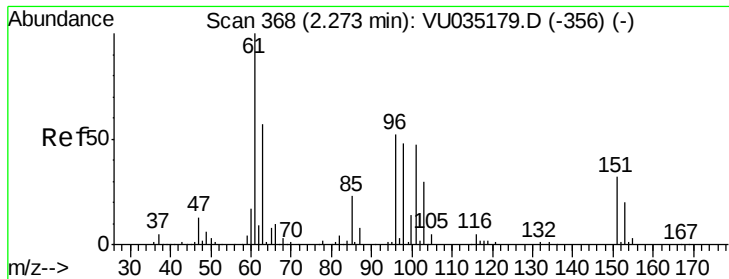
Tgt Ion: 50 Resp: 4948

Ion Ratio Lower Upper

50 100

52 32.7 23.3 43.3





#12

1,1-Dichloroethene

Concen: 3.571 ug/L

RT: 2.27 min Scan# 368

Delta R.T. 0.00 min

Lab File: VU035184.D

Acq: 15 Oct 2019 11:55

Instrument :

MSVOA_U

ClientSampleId :

P0002-STEEL-191007-01MS

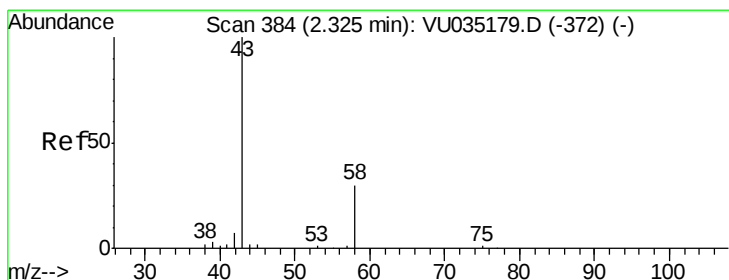
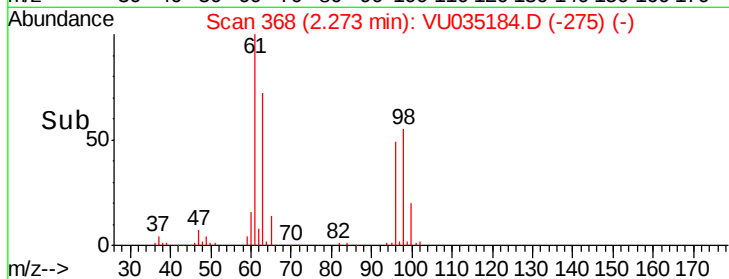
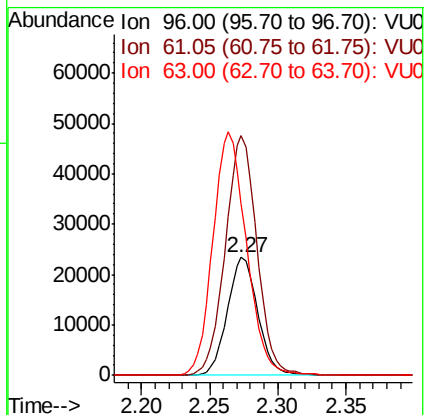
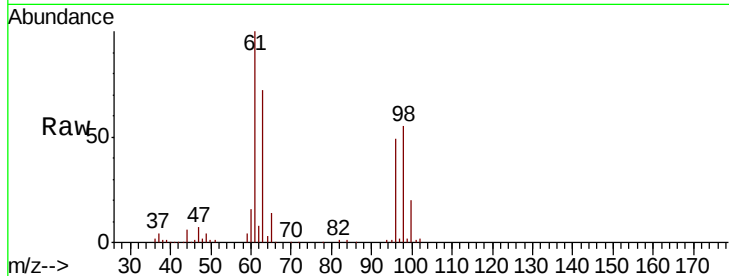
Tot Ion: 96 Resp: 36436

Ion Ratio Lower Upper

96 100

61 204.0 129.3 240.1

63 146.2 108.9 202.3



#13

Acetone

Concen: 2.822 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.01 min

Lab File: VU035184.D

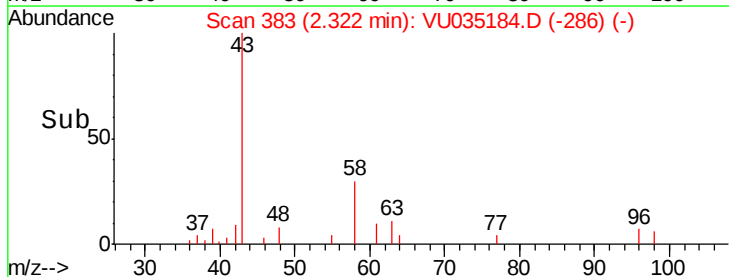
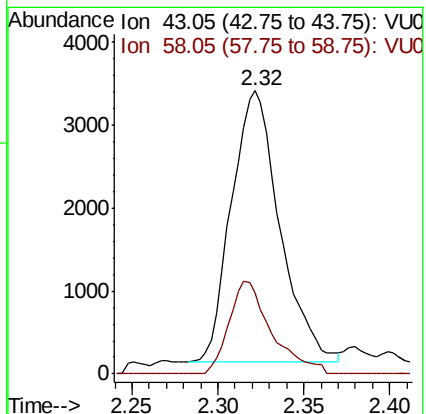
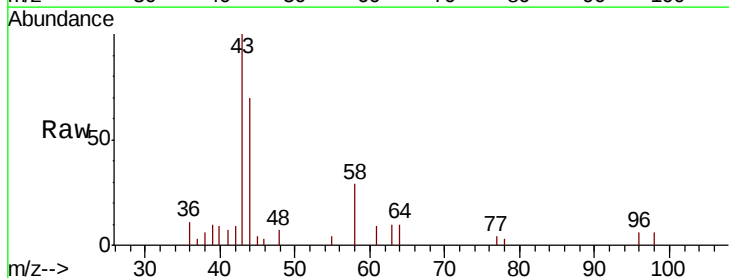
Acq: 15 Oct 2019 11:55

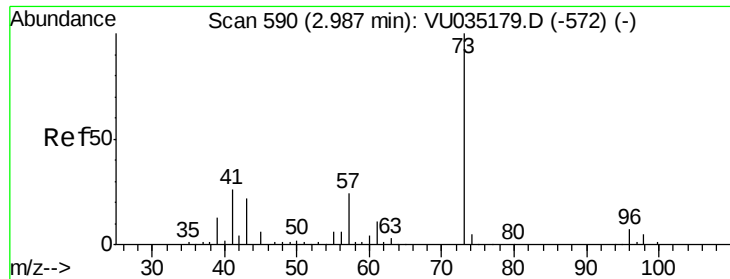
Tgt Ion: 43 Resp: 6392

Ion Ratio Lower Upper

43 100

58 30.1 0.0 66.6

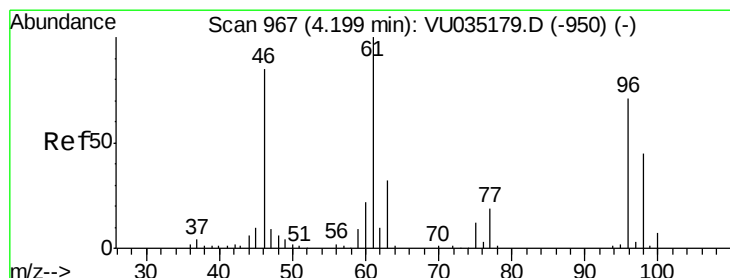
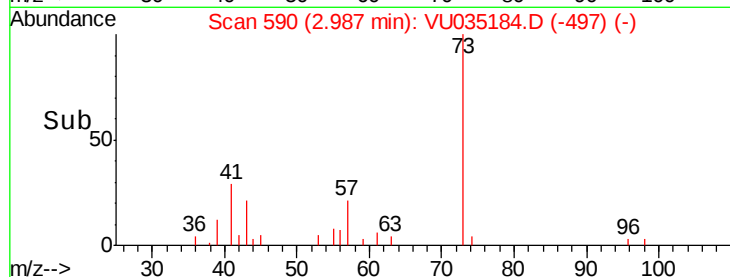
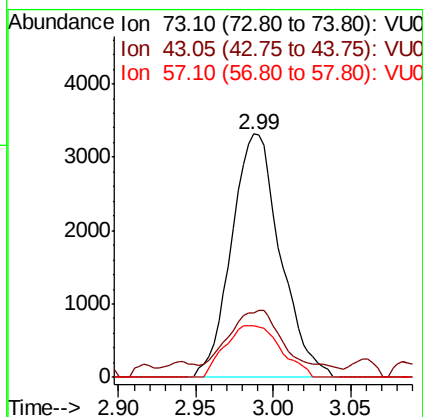
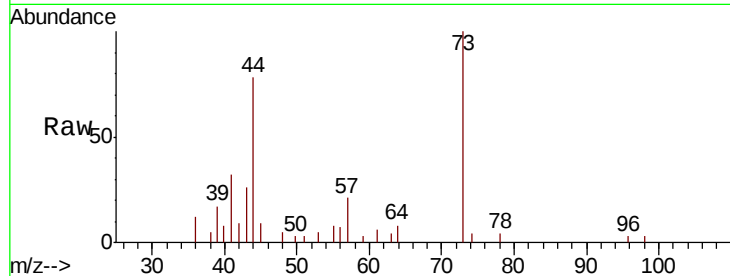




#17
Methvl tert-butvl Ether
Concen: 0.261 ug/L
RT: 2.99 min Scan# 590
Delta R.T. 0.00 min
Lab File: VU035184.D
Acq: 15 Oct 2019 11:55

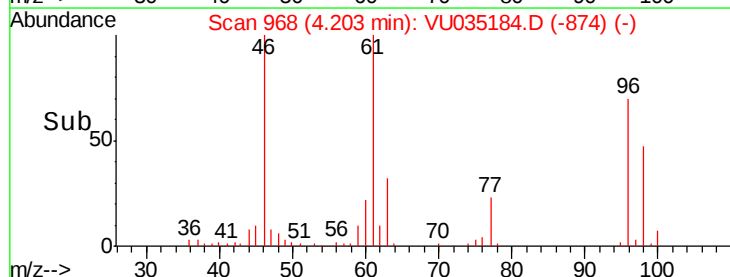
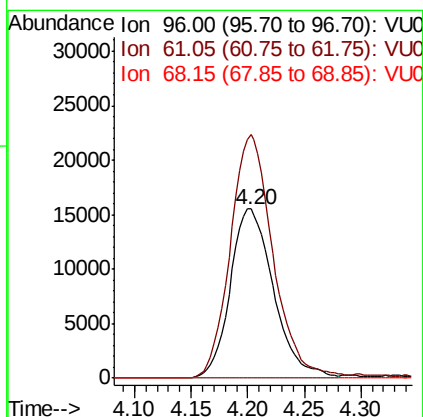
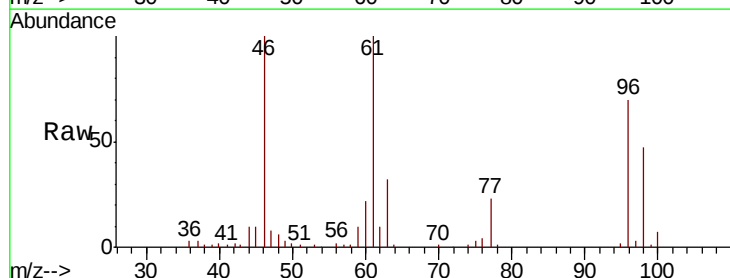
Instrument :
MSVOA_U
ClientSampleId :
P0002-STEEL-191007-01MS

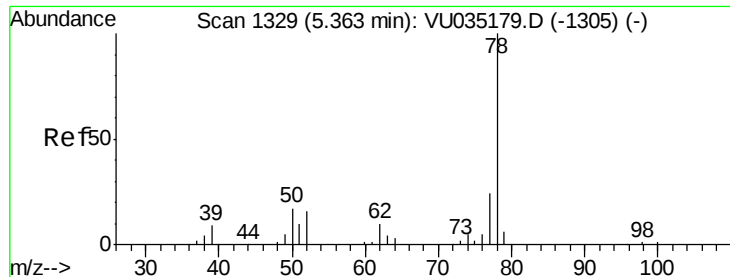
Tot Ion: 73 Resp: 7273
Ion Ratio Lower Upper
73 100
43 27.7 16.3 24.5#
57 24.1 18.6 28.0



#22
cis-1,2-Dichloroethene
Concen: 3.400 ug/L
RT: 4.20 min Scan# 968
Delta R.T. 0.00 min
Lab File: VU035184.D
Acq: 15 Oct 2019 11:55

Tgt Ion: 96 Resp: 41433
Ion Ratio Lower Upper
96 100
61 143.9 89.2 165.6
68 0.0 0.0 0.0





#33

Benzene

Concen: 3.915 ug/L

RT: 5.37 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VU035184.D

Acq: 15 Oct 2019 11:55

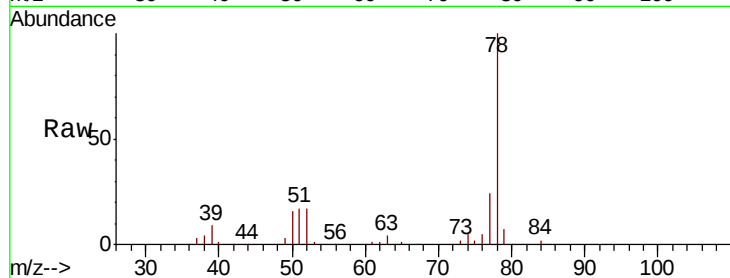
Instrument :

MSVOA_U

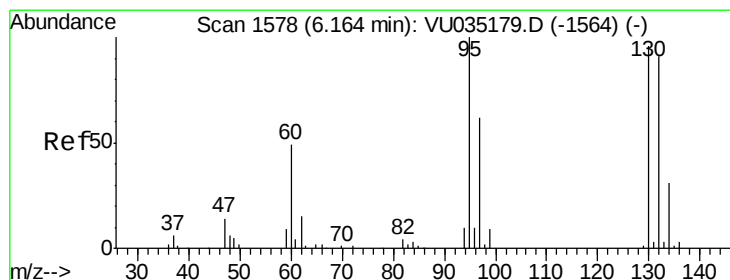
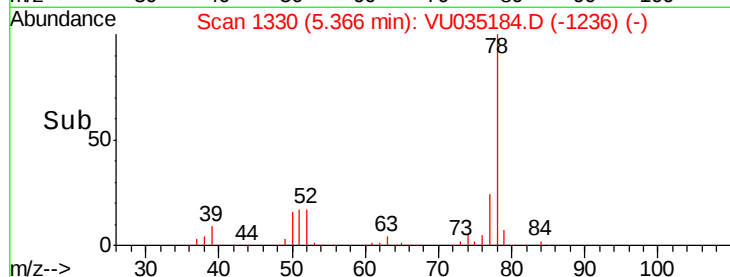
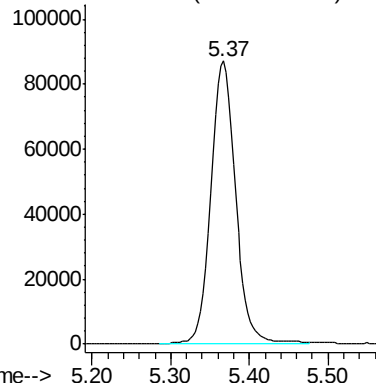
ClientSampleId :

P0002-STEELE-191007-01MS

Tgt Ion: 78 Resp: 192876



Abundance Ion 78.10 (77.80 to 78.80): VU0



#34

Trichloroethene

Concen: 6.988 ug/L

RT: 6.16 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VU035184.D

Acq: 15 Oct 2019 11:55

Tgt Ion: 95 Resp: 88794

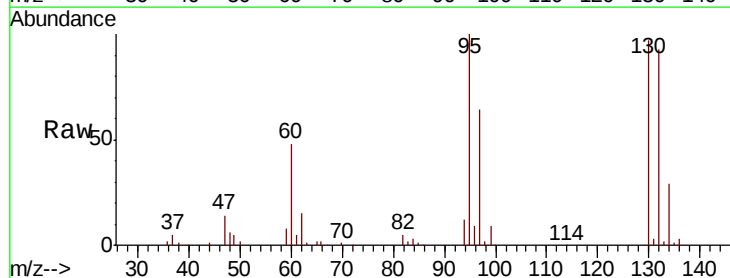
Ion	Ratio	Lower	Upper
95	100		
97	63.6	44.5	82.7
132	92.9	66.6	123.8
130	96.7	68.9	127.9

95 100

97 63.6 44.5 82.7

132 92.9 66.6 123.8

130 96.7 68.9 127.9

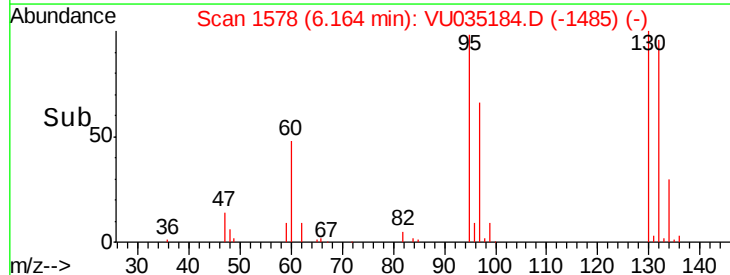
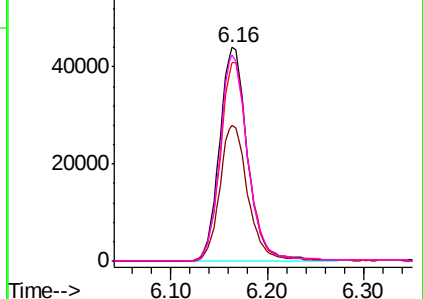


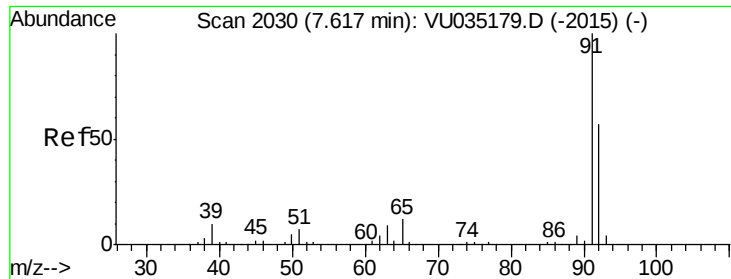
Abundance Ion 95.00 (94.70 to 95.70): VU0

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





#42

Toluene

Concen: 3.907 ug/L

RT: 7.62 min Scan# 2030

Delta R.T. 0.00 min

Lab File: VU035184.D

Acq: 15 Oct 2019 11:55

Instrument :

MSVOA_U

ClientSampleId :

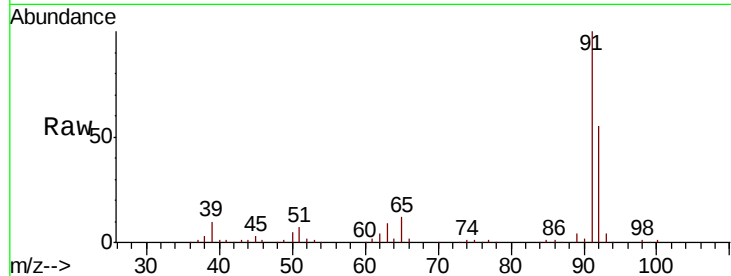
P0002-STEELE-191007-01MS

Tot Ion: 91 Resp: 200936

Ion Ratio Lower Upper

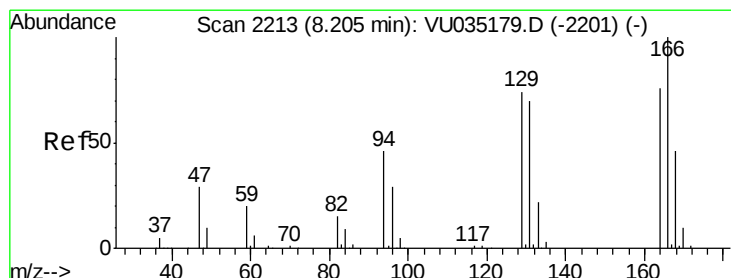
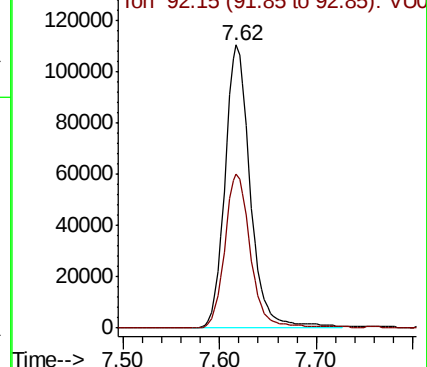
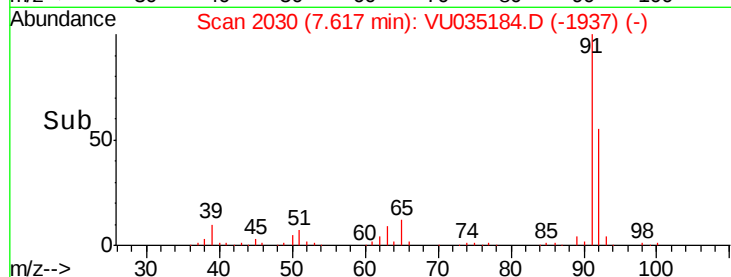
91 100

92 54.6 40.0 74.2



Abundance Ion 91.15 (90.85 to 91.85): VU035184.D (-1937) (-)

Ion 92.15 (91.85 to 92.85): VU035184.D (-1937) (-)



#47

Tetrachloroethene

Concen: 4.121 ug/L

RT: 8.21 min Scan# 2213

Delta R.T. 0.00 min

Lab File: VU035184.D

Acq: 15 Oct 2019 11:55

Tgt Ion: 164 Resp: 42388

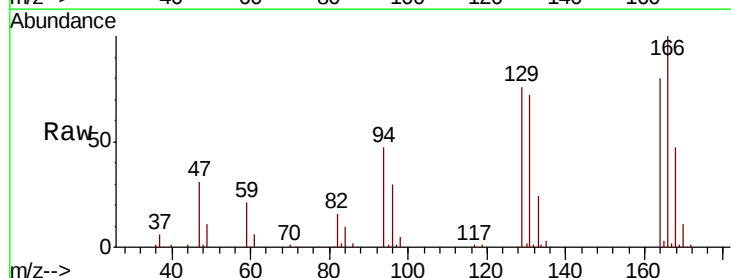
Ion Ratio Lower Upper

164 100

129 95.0 68.5 127.1

131 90.0 67.3 124.9

166 124.4 93.1 172.9

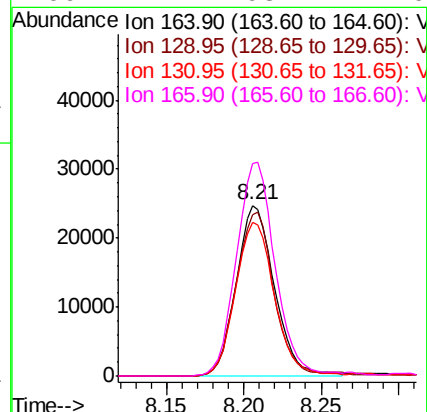
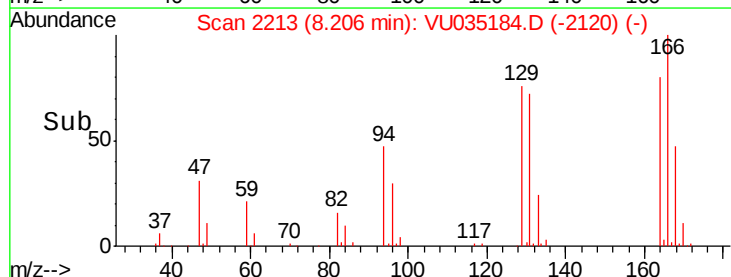


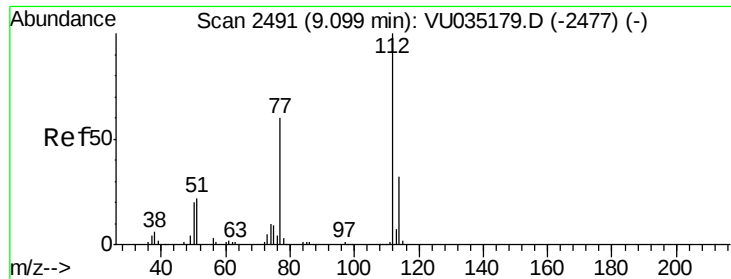
Abundance Ion 163.90 (163.60 to 164.60): VU035184.D (-2120) (-)

Ion 128.95 (128.65 to 129.65): VU035184.D (-2120) (-)

Ion 130.95 (130.65 to 131.65): VU035184.D (-2120) (-)

Ion 165.90 (165.60 to 166.60): VU035184.D (-2120) (-)





#51
 Chlorobenzene
 Concen: 4.235 ug/L
 RT: 9.10 min Scan# 2491
 Delta R.T. 0.00 min
 Lab File: VU035184.D
 Acq: 15 Oct 2019 11:55

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Tot Ion:	112	Resp:	141136
Ion	Ratio	Lower	Upper
112	100		
114	31.8	22.1	41.1
77	60.5	46.9	70.3

