

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU101419\
 Data File : VU035149.D
 Acq On : 14 Oct 2019 14:45
 Operator : JC/SP
 Sample : K5311-04MS
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 13 Sample Multiplier: 1

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

Quant Time: Oct 15 07:52:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100719WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Oct 15 07:04:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.87	114	159394	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	168803	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	61273	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	47209	5.01	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	100.20%
7) Chloroethane-d5	1.68	69	47171	5.36	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	107.20%
11) 1,1-Dichloroethene-d2	2.26	63	71910	3.62	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	72.40%
20) 2-Butanone-d5	4.17	46	166451	59.99	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	119.98%
24) Chloroform-d	4.62	84	88727	5.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.80%
26) 1,2-Dichloroethane-d4	5.29	65	57088	5.41	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	108.20%
32) Benzene-d6	5.32	84	185823	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.80%
36) 1,2-Dichloropropane-d6	6.31	67	65971	4.99	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.80%
41) Toluene-d8	7.55	98	154379	4.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.60%
43) trans-1,3-Dichloropropene-	7.84	79	21363	4.49	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.80%
46) 2-Hexanone-d5	8.30	63	118571	52.35	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	104.70%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	60731	5.45	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	109.00%
64) 1,2-Dichlorobenzene-d4	11.85	152	55685	5.39	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.80%

Target Compounds

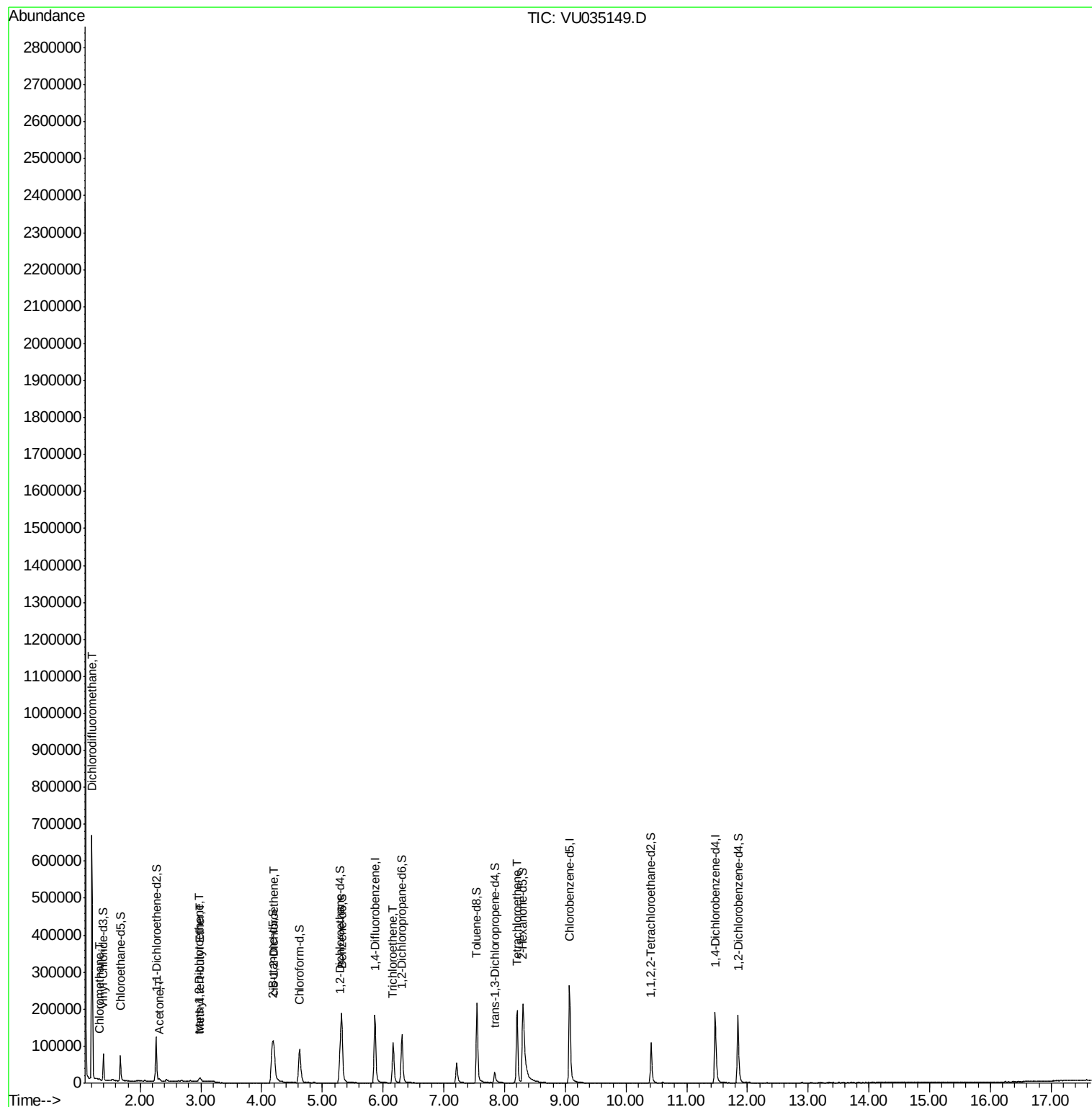
					Ovalue
2) Dichlorodifluoromethane	1.21	85	8431	0.579 ug/L	99
3) Chloromethane	1.32	50	2829	0.177 ug/L	83
13) Acetone	2.31	43	6159	2.710 ug/L	95
17) Methyl tert-butyl Ether	2.99	73	8420	0.301 ug/L	96
18) trans-1,2-Dichloroethene	2.96	96	898	0.082 ug/L	92
22) cis-1,2-Dichloroethene	4.20	96	43652	3.570 ug/L	98
34) Trichloroethene	6.16	95	40108	3.059 ug/L	96
47) Tetrachloroethene	8.21	164	43892	4.135 ug/L	99

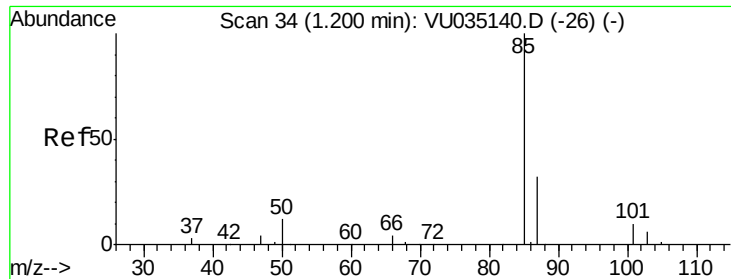
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 0.579 ug/L

RT: 1.21 min Scan# 36

Delta R.T. 0.01 min

Lab File: VU035149.D

Acq: 14 Oct 2019 14:45

Instrument :

MSVOA_U

ClientSampleId :

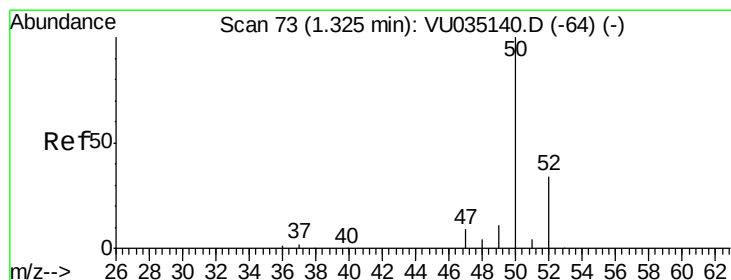
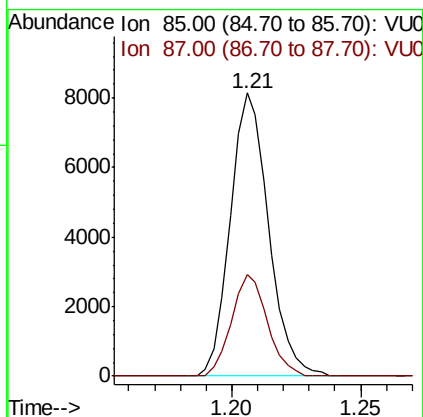
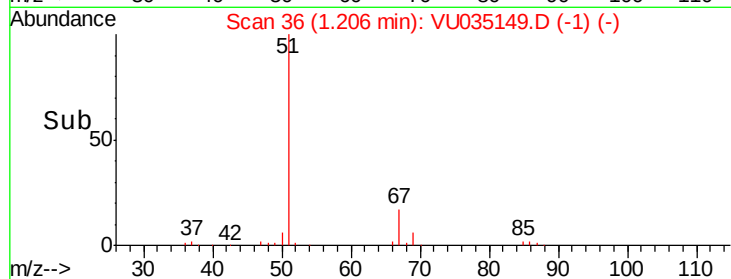
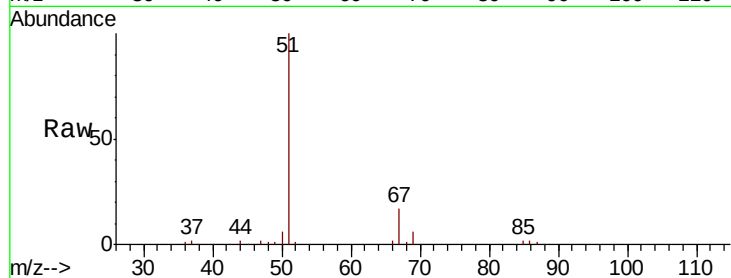
P0002-STEELE-191007-01MS

Tot Ion: 85 Resp: 8431

Ion Ratio Lower Upper

85 100

87 33.4 26.3 39.5



#3

Chloromethane

Concen: 0.177 ug/L

RT: 1.32 min Scan# 73

Delta R.T. -0.00 min

Lab File: VU035149.D

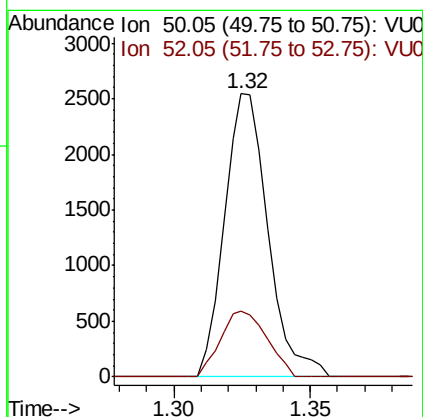
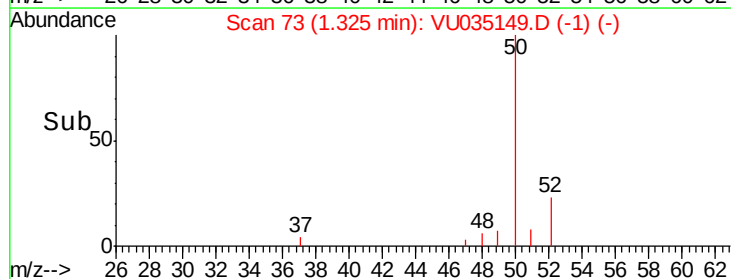
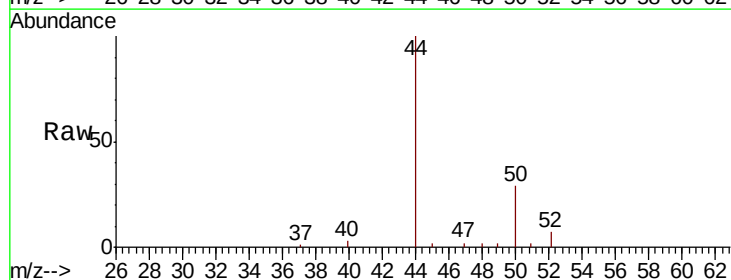
Acq: 14 Oct 2019 14:45

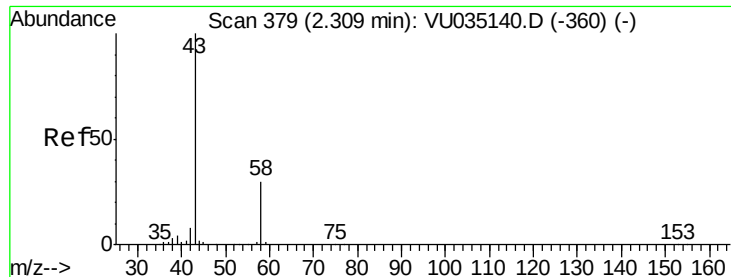
Tgt Ion: 50 Resp: 2829

Ion Ratio Lower Upper

50 100

52 23.4 23.3 43.3





#13

Acetone

Concen: 2.710 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VU035149.D

Acq: 14 Oct 2019 14:45

Instrument :

MSVOA_U

ClientSampleId :

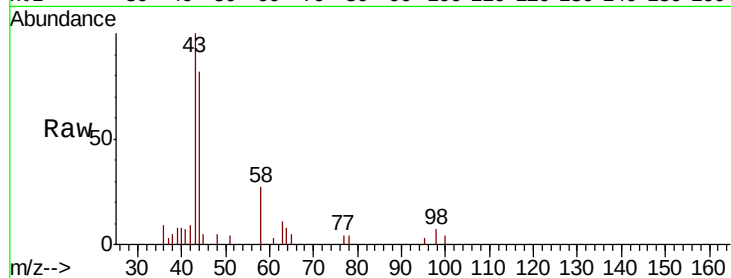
P0002-STEELE-191007-01MS

Tot Ion: 43 Resp: 6159

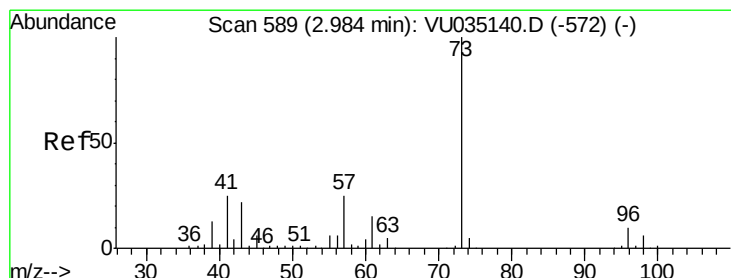
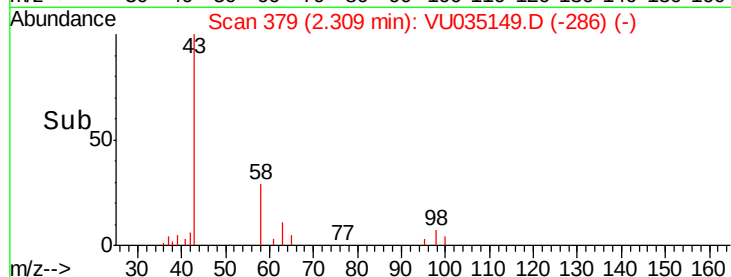
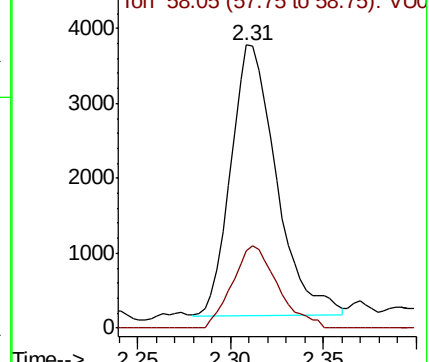
Ion Ratio Lower Upper

43 100

58 30.4 0.0 66.6



Abundance Ion 43.05 (42.75 to 43.75): VU035149.D (-286) (-)



#17

Methyl tert-butyl Ether

Concen: 0.301 ug/L

RT: 2.99 min Scan# 590

Delta R.T. 0.00 min

Lab File: VU035149.D

Acq: 14 Oct 2019 14:45

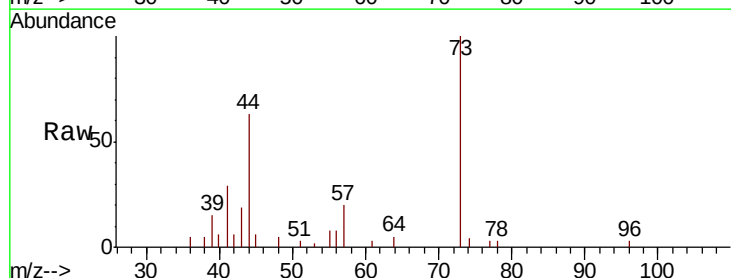
Tgt Ion: 73 Resp: 8420

Ion Ratio Lower Upper

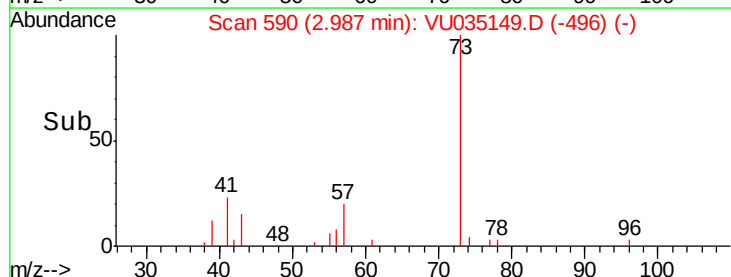
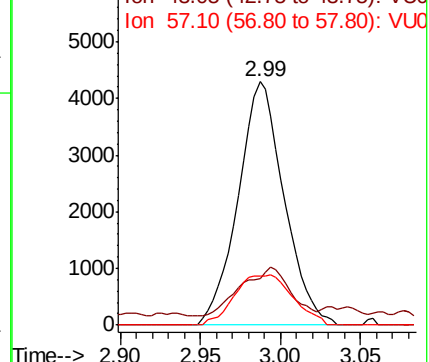
73 100

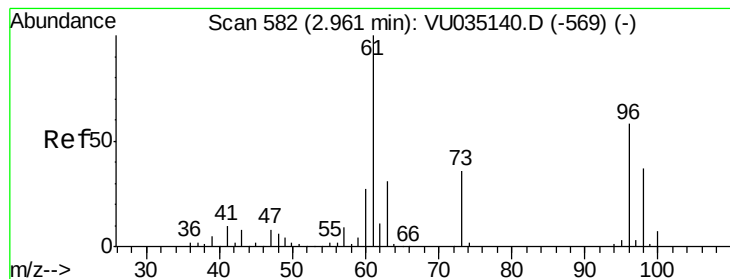
43 21.0 16.3 24.5

57 26.3 18.6 28.0



Abundance Ion 73.10 (72.80 to 73.80): VU035149.D (-496) (-)





#18

trans-1,2-Dichloroethene

Concen: 0.082 ug/L

RT: 2.96 min Scan# 583

Delta R.T. 0.00 min

Lab File: VU035149.D

Acq: 14 Oct 2019 14:45

Instrument :

MSVOA_U

ClientSampleId :

P0002-STEELE-191007-01MS

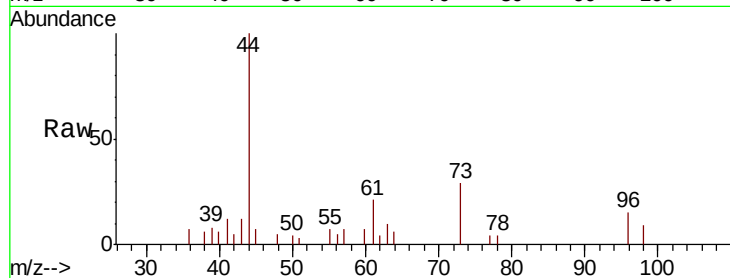
Tot Ion: 96 Resp: 898

Ion Ratio Lower Upper

96 100

61 139.3 107.1 198.9

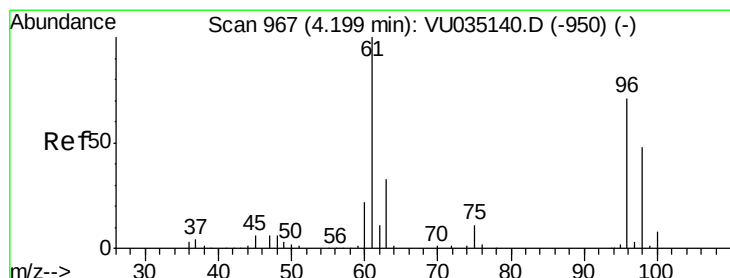
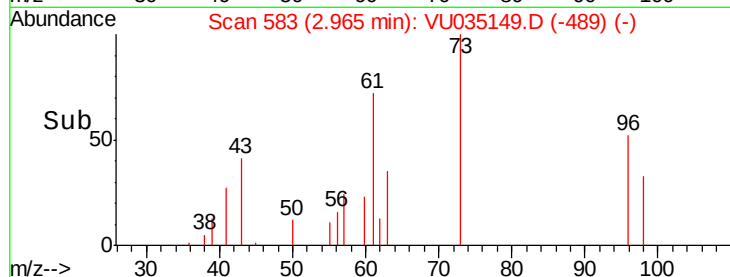
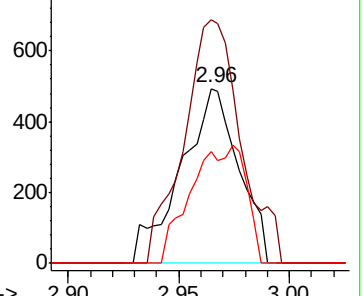
98 64.0 45.4 84.4



Abundance Ion 96.00 (95.70 to 96.70): VU035149.D (-489) (-)

Ion 61.05 (60.75 to 61.75): VU035149.D (-489) (-)

Ion 97.95 (97.65 to 98.65): VU035149.D (-489) (-)



#22

cis-1,2-Dichloroethene

Concen: 3.570 ug/L

RT: 4.20 min Scan# 968

Delta R.T. 0.00 min

Lab File: VU035149.D

Acq: 14 Oct 2019 14:45

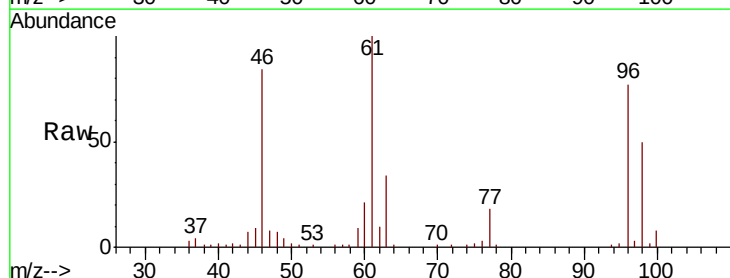
Tgt Ion: 96 Resp: 43652

Ion Ratio Lower Upper

96 100

61 129.4 89.2 165.6

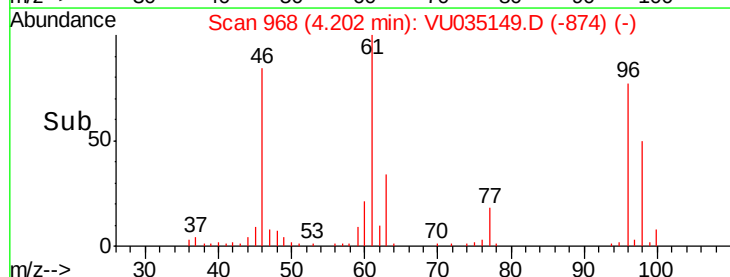
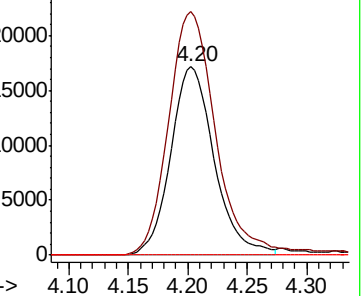
68 0.0 0.0 0.0

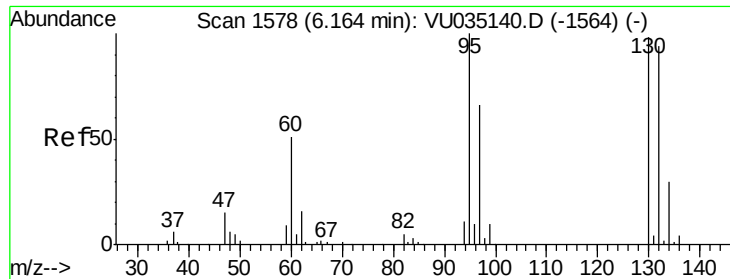


Abundance Ion 96.00 (95.70 to 96.70): VU035149.D (-874) (-)

Ion 61.05 (60.75 to 61.75): VU035149.D (-874) (-)

Ion 68.15 (67.85 to 68.85): VU035149.D (-874) (-)





#34

Trichloroethene

Concen: 3.059 ug/L

RT: 6.16 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VU035149.D

Acq: 14 Oct 2019 14:45

Instrument :

MSVOA_U

ClientSampleId :

P0002-STEEL-191007-01MS

Tot Ion: 95 Resp: 40108

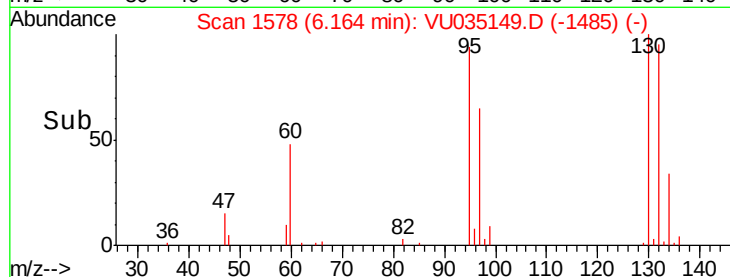
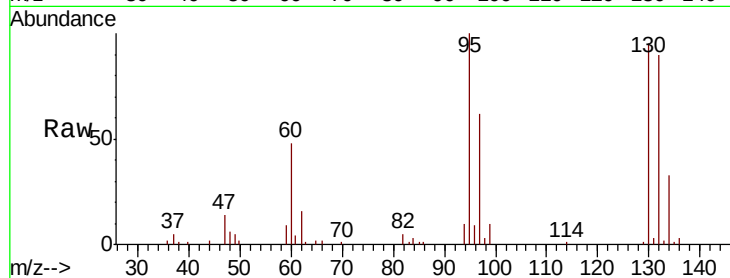
Ion Ratio Lower Upper

95 100

97 61.8 44.5 82.7

132 89.9 66.6 123.8

130 95.0 68.9 127.9

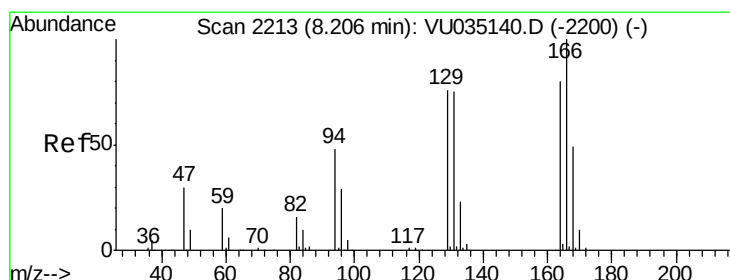
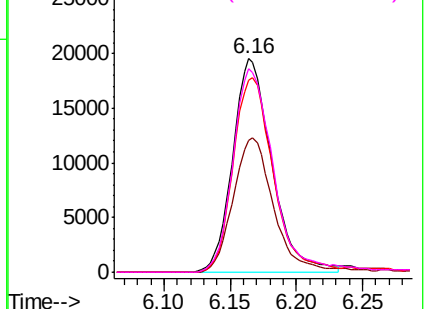


Abundance Ion 95.00 (94.70 to 95.70): VU035149.D (-1485) (-)

Ion 96.95 (96.65 to 97.65): VU035149.D (-1485) (-)

Ion 131.95 (131.65 to 132.65): VU035149.D (-1485) (-)

Ion 129.95 (129.65 to 130.65): VU035149.D (-1485) (-)



#47

Tetrachloroethene

Concen: 4.135 ug/L

RT: 8.21 min Scan# 2214

Delta R.T. 0.00 min

Lab File: VU035149.D

Acq: 14 Oct 2019 14:45

Tgt Ion: 164 Resp: 43892

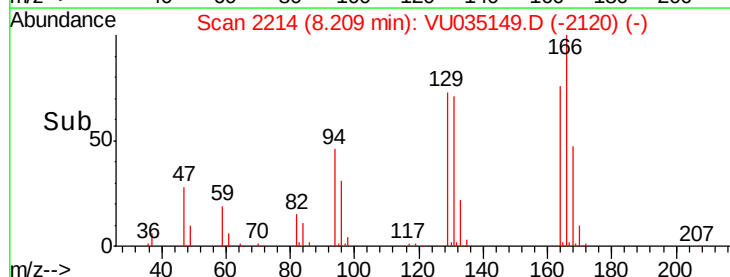
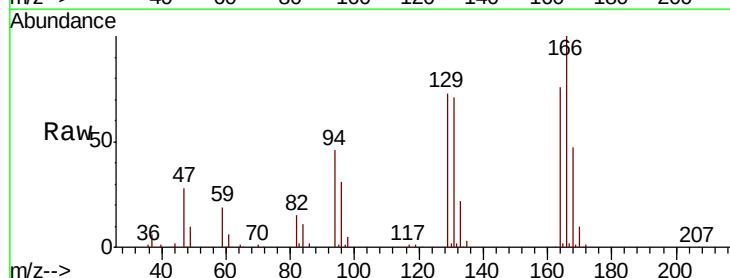
Ion Ratio Lower Upper

164 100

129 96.6 68.5 127.1

131 94.6 67.3 124.9

166 132.4 93.1 172.9



Abundance Ion 163.90 (163.60 to 164.60): VU035149.D (-2120) (-)

Ion 128.95 (128.65 to 129.65): VU035149.D (-2120) (-)

Ion 130.95 (130.65 to 131.65): VU035149.D (-2120) (-)

Ion 165.90 (165.60 to 166.60): VU035149.D (-2120) (-)

