

Data File : VU035150.D
Acq On : 14 Oct 2019 15:10
Operator : JC/SP
Sample : K5311-05
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

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

Quant Time: Oct 15 07:09:42 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	5.86	114	152896	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	159211	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	60282	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	47509	5.26	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	105.20%
7) Chloroethane-d5	1.68	69	44882	5.32	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	106.40%
11) 1,1-Dichloroethene-d2	2.26	63	71157	3.73	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	74.60%
20) 2-Butanone-d5	4.17	46	155776	58.53	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	117.06%
24) Chloroform-d	4.62	84	85333	5.05	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.00%
26) 1,2-Dichloroethane-d4	5.29	65	54109	5.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.00%
32) Benzene-d6	5.32	84	178411	4.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.60%
36) 1,2-Dichloropropane-d6	6.31	67	65715	5.27	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	105.40%
41) Toluene-d8	7.55	98	148650	4.12	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.40%
43) trans-1,3-Dichloropropene-	7.84	79	20475	4.56	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.20%
46) 2-Hexanone-d5	8.30	63	114989	53.83	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	107.66%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	59812	5.69	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	113.80%
64) 1,2-Dichlorobenzene-d4	11.85	152	54679	5.38	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.60%

Target Compounds

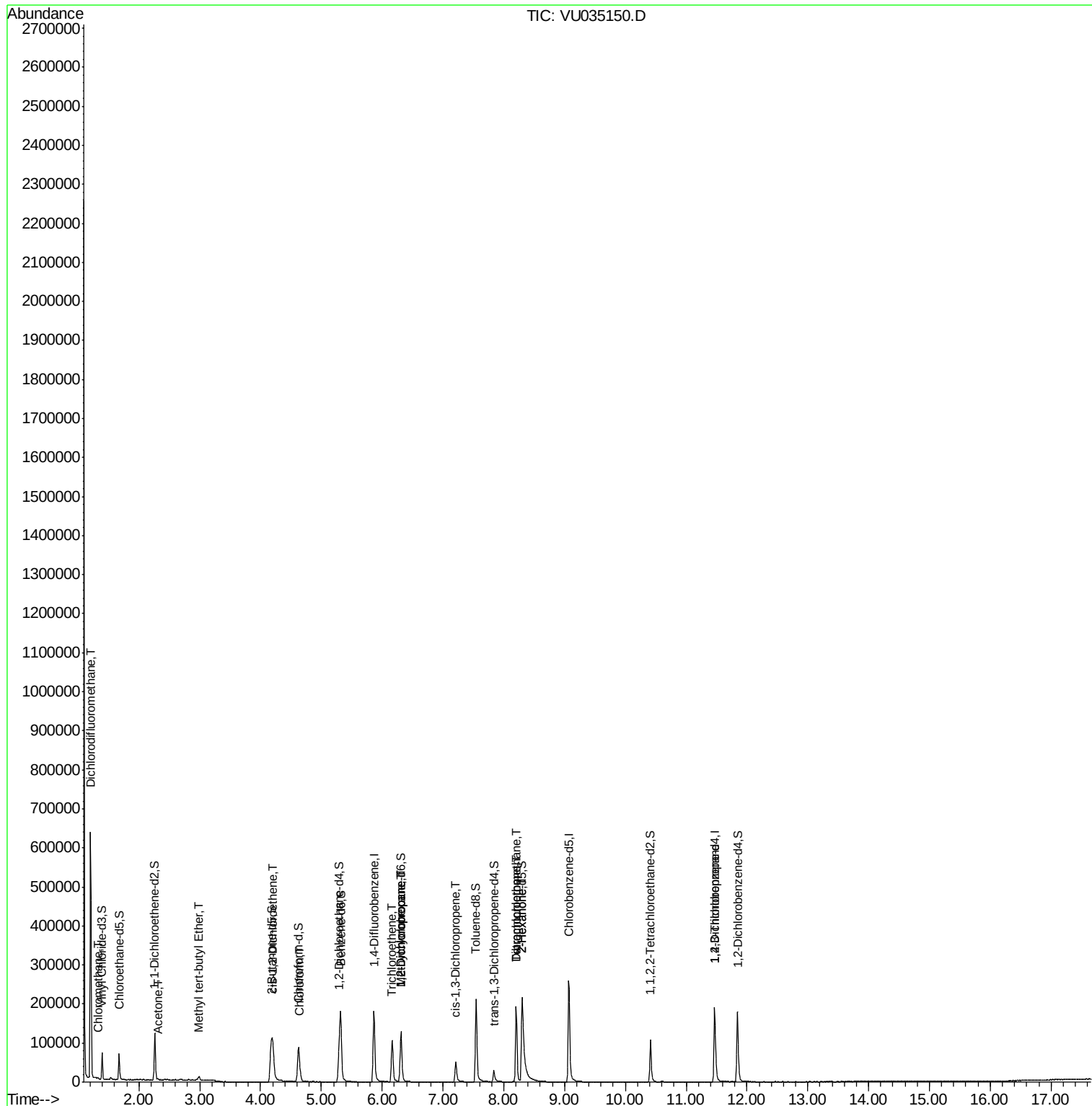
					Qvalue
2) Dichlorodifluoromethane	1.21	85	8355	0.598 ug/L	99
3) Chloromethane	1.32	50	2121	0.138 ug/L	92
13) Acetone	2.31	43	3274	1.502 ug/L	89
17) Methyl tert-butyl Ether	2.99	73	7736	0.289 ug/L #	89
22) cis-1,2-Dichloroethene	4.20	96	44068	3.757 ug/L	92
25) Chloroform	4.65	83	12724	0.542 ug/L	98
34) Trichloroethene	6.16	95	39926	3.228 ug/L	96
35) Methylcyclohexane	6.31	83	14570	0.727 ug/L #	18
37) 1,2-Dichloropropane	6.31	63	7137	0.552 ug/L #	90
39) cis-1,3-Dichloropropene	7.21	75	1434	0.082 ug/L #	47
47) Tetrachloroethene	8.21	164	43386	4.334 ug/L	94
48) 2-Hexanone	8.30	43	13249	2.373 ug/L #	65
49) Dibromochloromethane	8.21	129	41549	4.185 ug/L #	12
59) 1,2,3-Trichloropropane	11.47	75	7710	0.921 ug/L	89

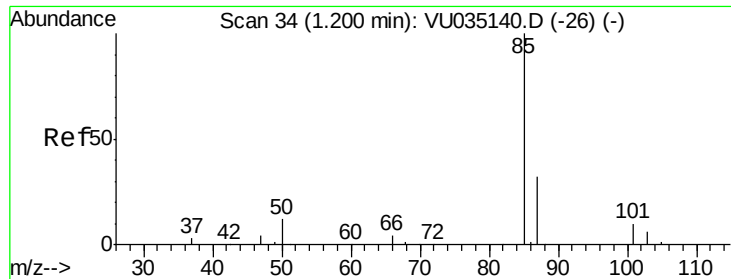
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 0.598 ug/L

RT: 1.21 min Scan# 36

Delta R.T. 0.01 min

Lab File: VU035150.D

Acq: 14 Oct 2019 15:10

Instrument :

MSVOA_U

ClientSampleId :

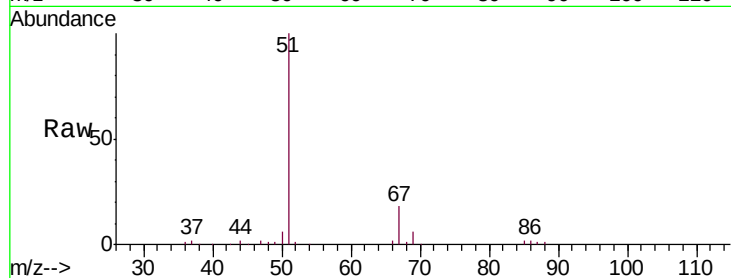
P0002-STEELE-191007-01MSD

Tgt Ion: 85 Resp: 8355

Ion Ratio Lower Upper

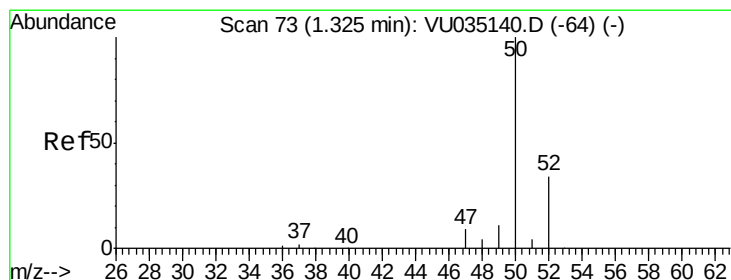
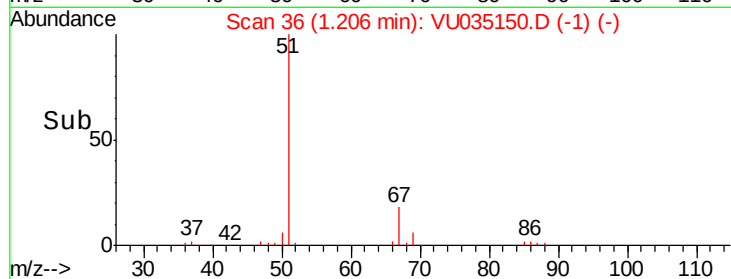
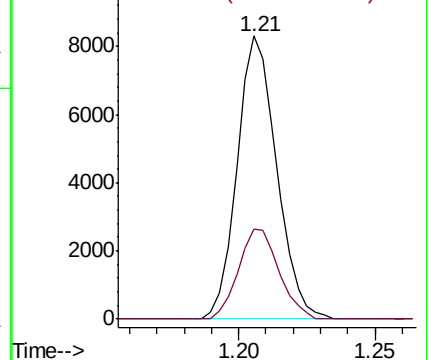
85 100

87 32.4 26.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 0.138 ug/L

RT: 1.32 min Scan# 73

Delta R.T. -0.00 min

Lab File: VU035150.D

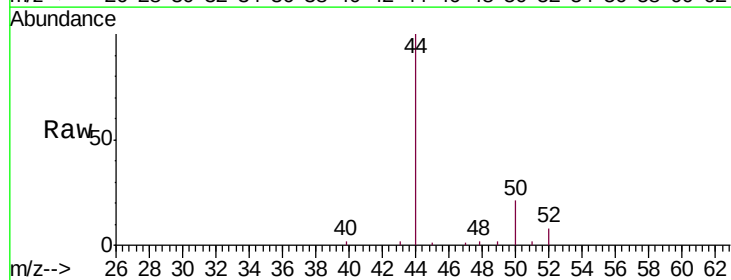
Acq: 14 Oct 2019 15:10

Tgt Ion: 50 Resp: 2121

Ion Ratio Lower Upper

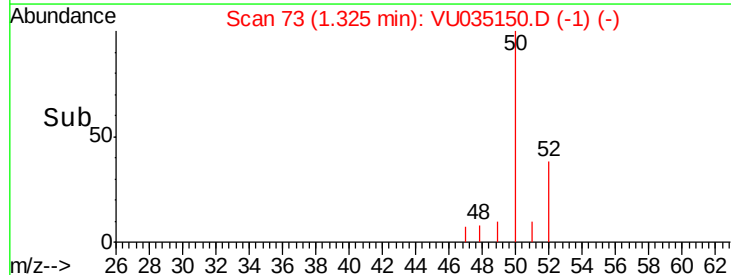
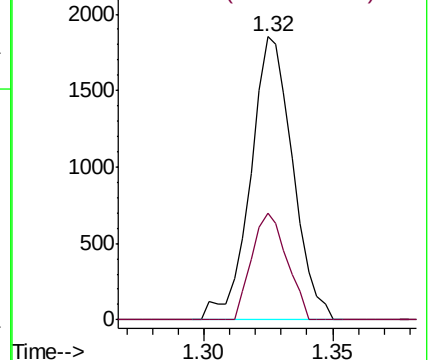
50 100

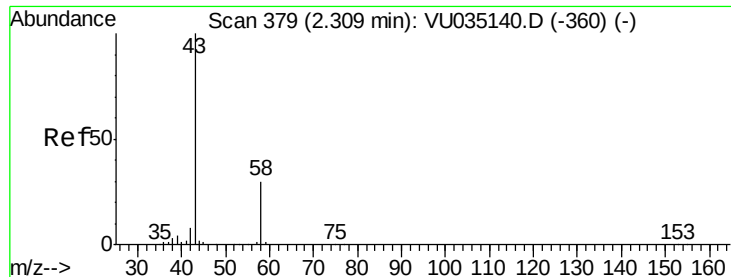
52 37.9 23.3 43.3



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#13

Acetone

Concen: 1.502 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VU035150.D

Acq: 14 Oct 2019 15:10

Instrument :

MSVOA_U

ClientSampleId :

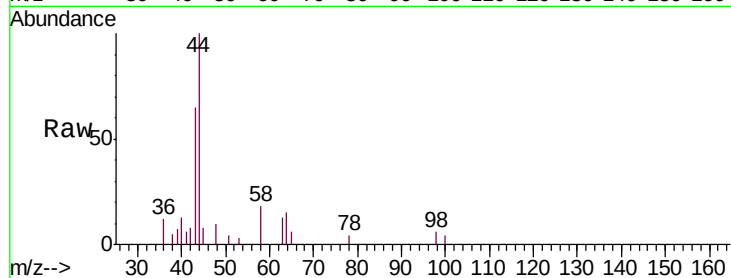
P0002-STEELE-191007-01MSD

Tgt Ion: 43 Resp: 3274

Ion Ratio Lower Upper

43 100

58 27.1 0.0 66.6



Abundance Ion 43.05 (42.75 to 43.75): VU035150.D (-360) (-)

Ion 58.05 (57.75 to 58.75): VU035150.D (-360) (-)

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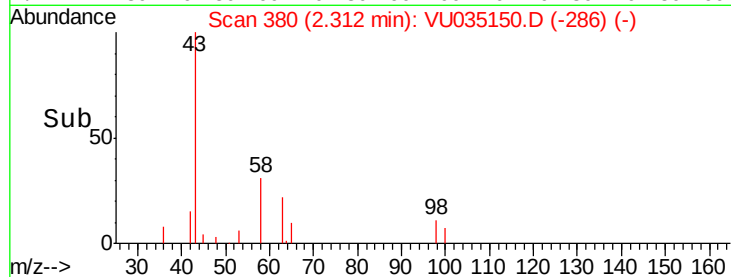
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Abundance Ion 43.05 (42.75 to 43.75): VU035150.D (-286) (-)

Ion 58.05 (57.75 to 58.75): VU035150.D (-286) (-)

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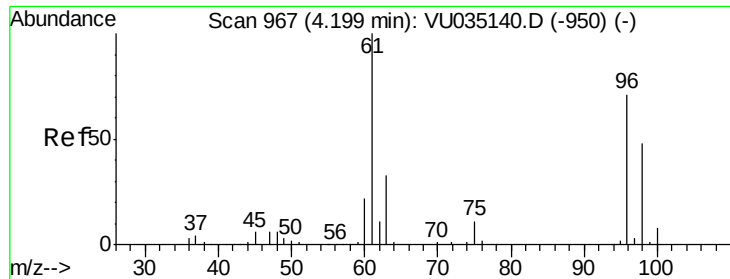
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#22

cis-1,2-Dichloroethene

Concen: 3.757 ug/L

RT: 4.20 min Scan# 968

Delta R.T. 0.00 min

Lab File: VU035150.D

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P0002-STEEL-191007-01MSD

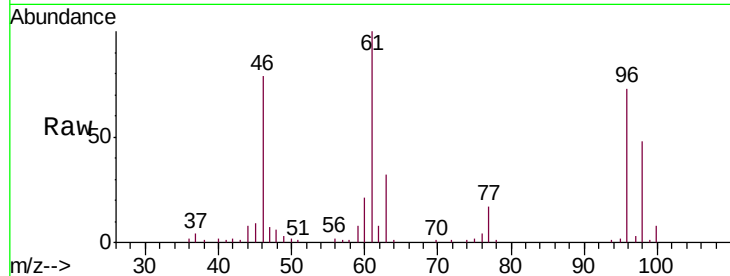
Tgt Ion: 96 Resp: 44068

Ion Ratio Lower Upper

96 100

61 136.4 89.2 165.6

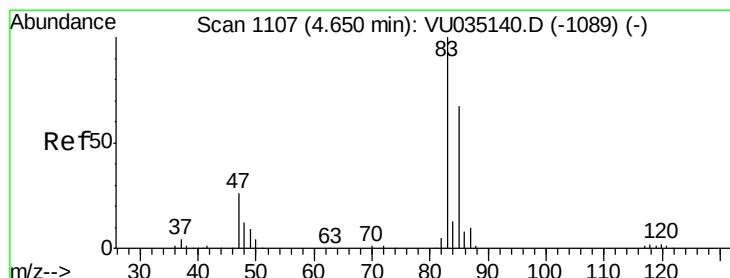
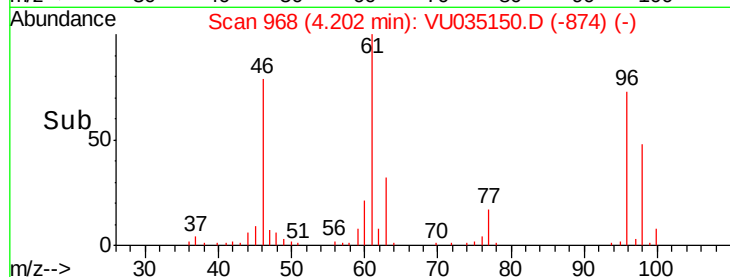
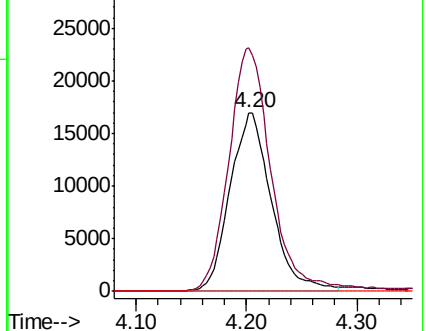
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU035150.D (-950) (-)

Ion 61.05 (60.75 to 61.75): VU035150.D (-950) (-)

Ion 68.15 (67.85 to 68.85): VU035150.D (-950) (-)



#25

Chloroform

Concen: 0.542 ug/L

RT: 4.65 min Scan# 1108

Delta R.T. 0.00 min

Lab File: VU035150.D

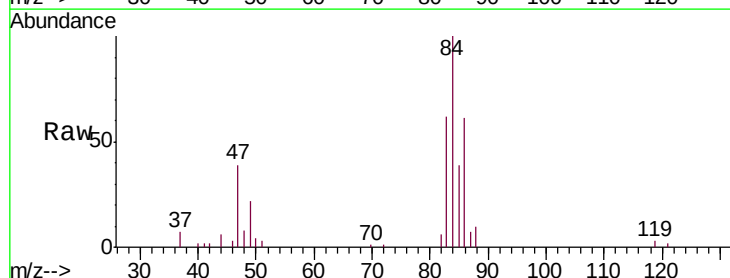
Acq: 14 Oct 2019 15:10

Tgt Ion: 83 Resp: 12724

Ion Ratio Lower Upper

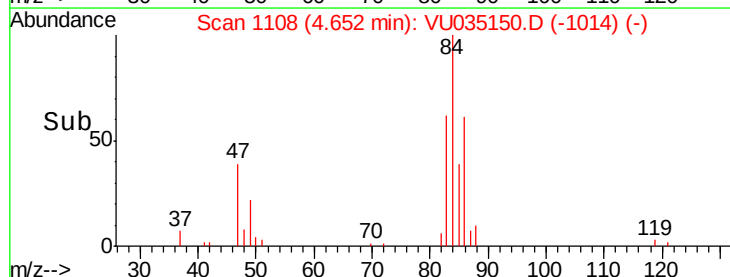
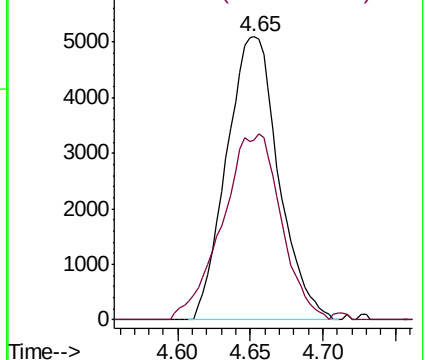
83 100

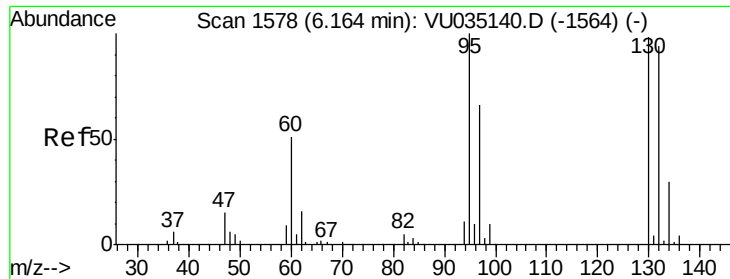
85 63.4 45.4 84.4



Abundance Ion 83.05 (82.75 to 83.75): VU035150.D (-1089) (-)

Ion 85.00 (84.70 to 85.70): VU035150.D (-1089) (-)





#34

Trichloroethene

Concen: 3.228 ug/L

RT: 6.16 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VU035150.D

Acq: 14 Oct 2019 15:10

Instrument :

MSVOA_U

ClientSampleId :

P0002-STEELE-191007-01MSD

Tgt Ion: 95 Resp: 39926

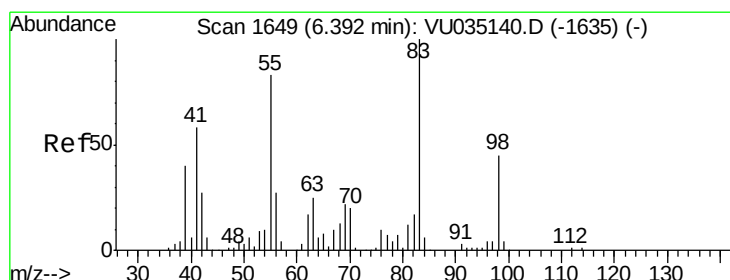
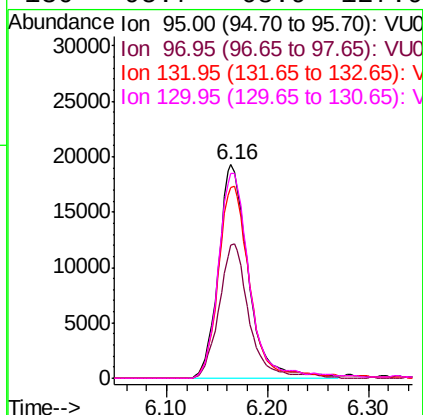
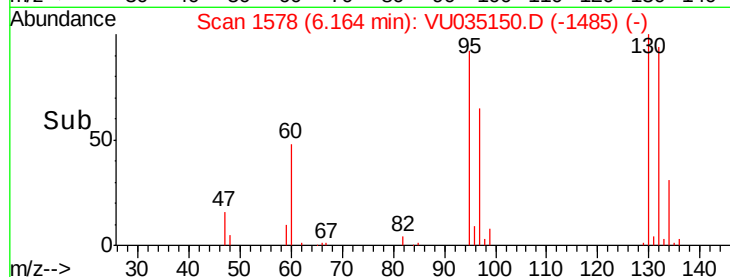
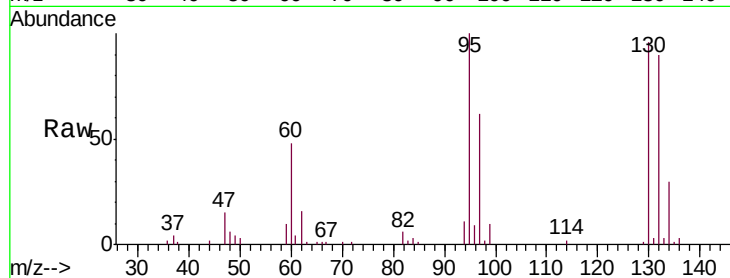
Ion Ratio Lower Upper

95 100

97 62.0 44.5 82.7

132 89.5 66.6 123.8

130 95.7 68.9 127.9



#35

Methylcyclohexane

Concen: 0.727 ug/L

RT: 6.31 min Scan# 1624

Delta R.T. -0.08 min

Lab File: VU035150.D

Acq: 14 Oct 2019 15:10

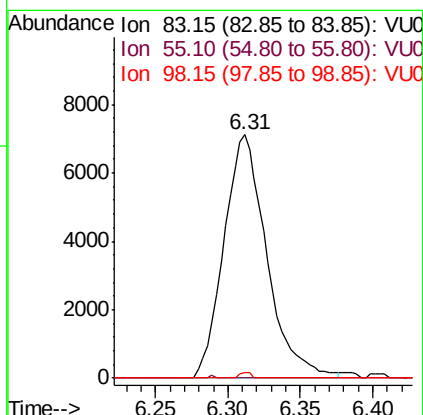
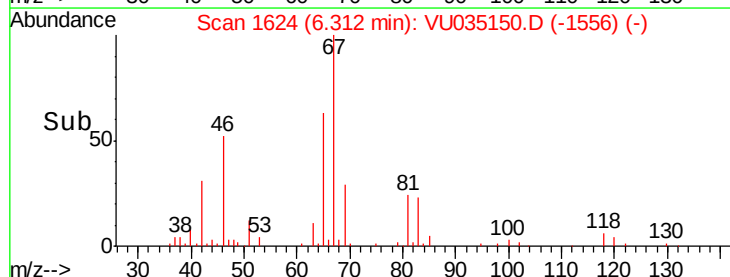
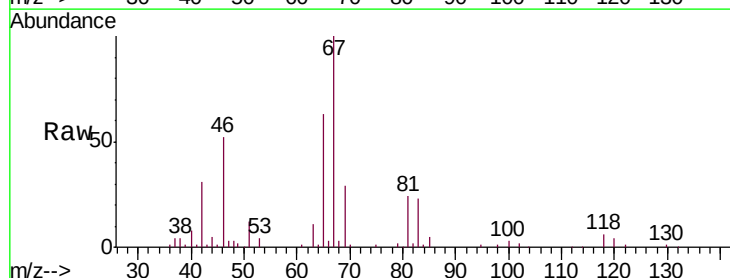
Tgt Ion: 83 Resp: 14570

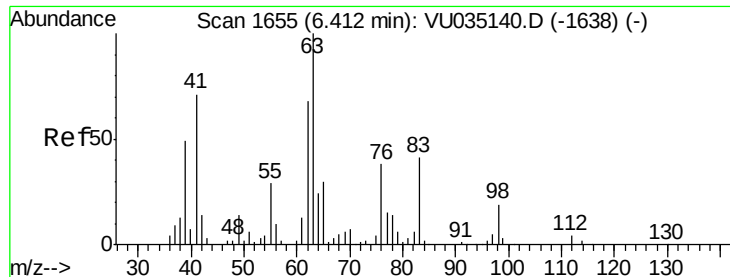
Ion Ratio Lower Upper

83 100

55 0.1 62.6 94.0#

98 0.5 36.2 54.2#

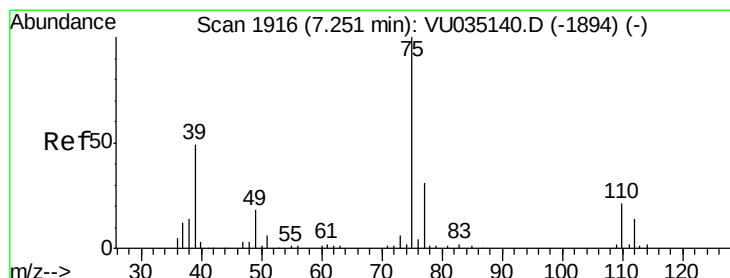
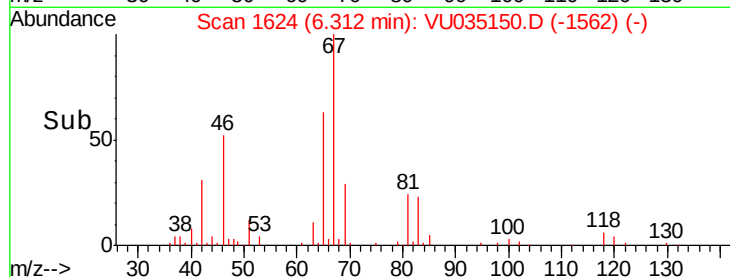
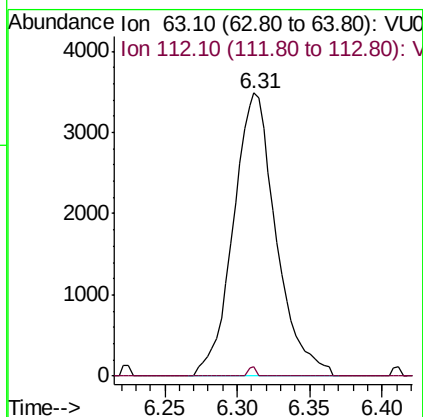
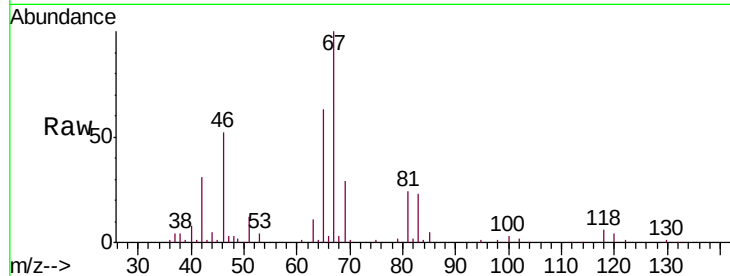




#37
 1,2-Dichloropropane
 Concen: 0.552 ug/L
 RT: 6.31 min Scan# 1624
 Delta R.T. -0.10 min
 Lab File: VU035150.D
 Acq: 14 Oct 2019 15:10

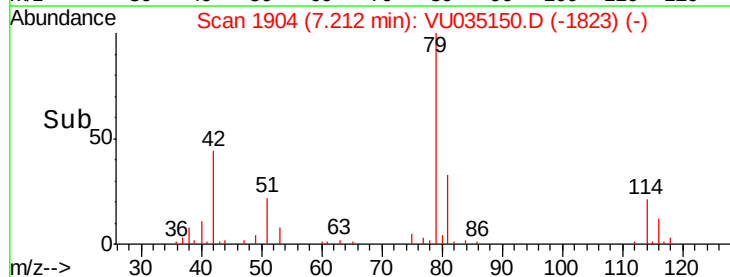
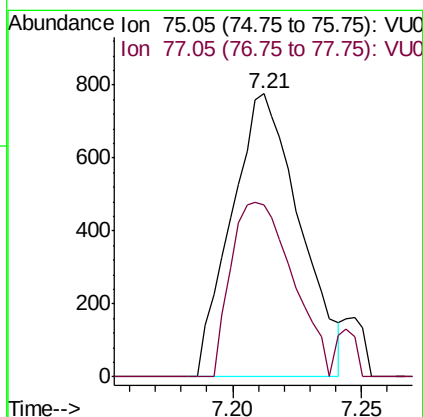
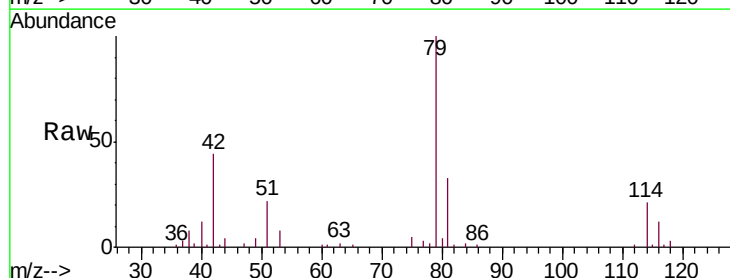
Instrument :
 MSVOA_U
 ClientSampleId :
 P0002-STEEL-191007-01MSD

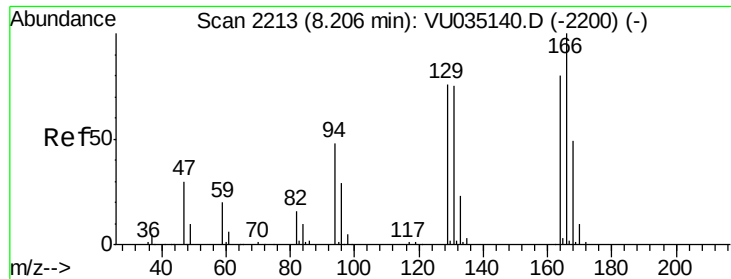
Tgt Ion: 63 Resp: 7137
 Ion Ratio Lower Upper
 63 100
 112 0.6 3.1 4.7#



#39
 cis-1,3-Dichloropropene
 Concen: 0.082 ug/L
 RT: 7.21 min Scan# 1904
 Delta R.T. -0.04 min
 Lab File: VU035150.D
 Acq: 14 Oct 2019 15:10

Tgt Ion: 75 Resp: 1434
 Ion Ratio Lower Upper
 75 100
 77 61.0 22.1 41.1#

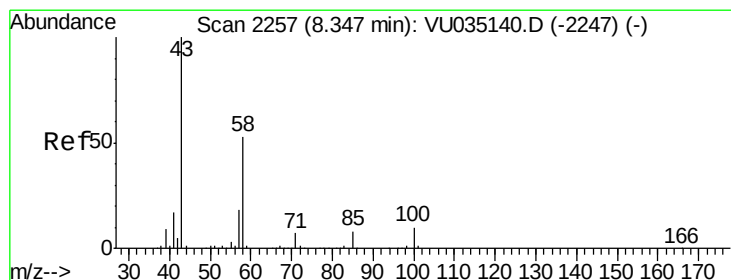
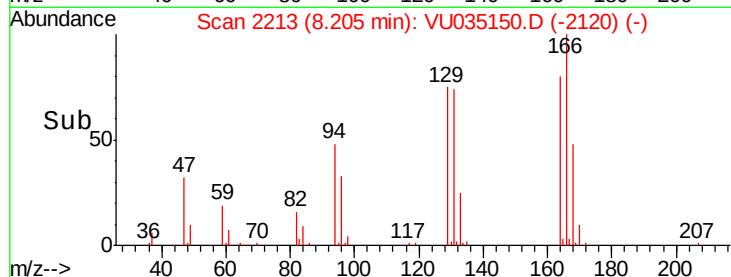
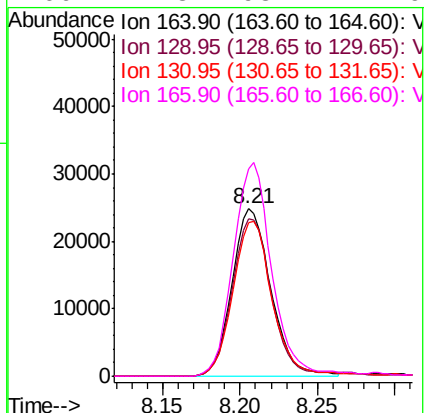
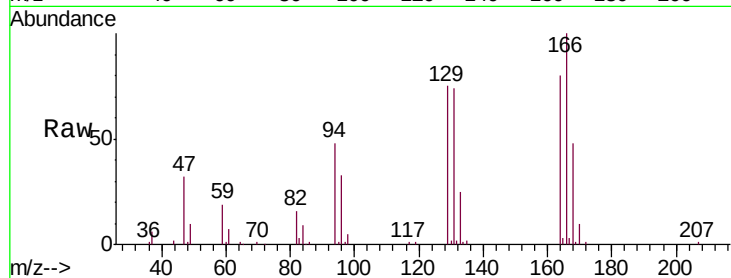




#47
Tetrachloroethene
Concen: 4.334 ug/L
RT: 8.21 min Scan# 2213
Delta R.T. -0.00 min
Lab File: VU035150.D
Acq: 14 Oct 2019 15:10

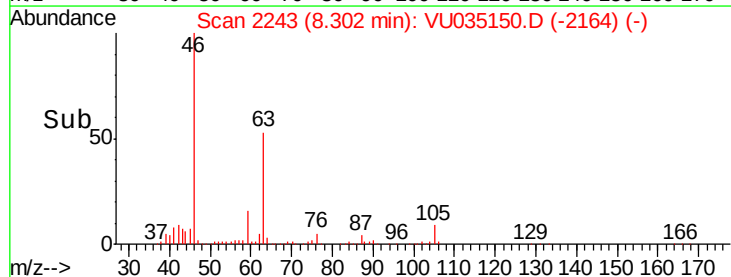
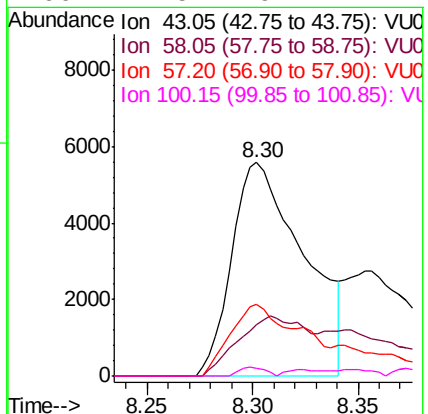
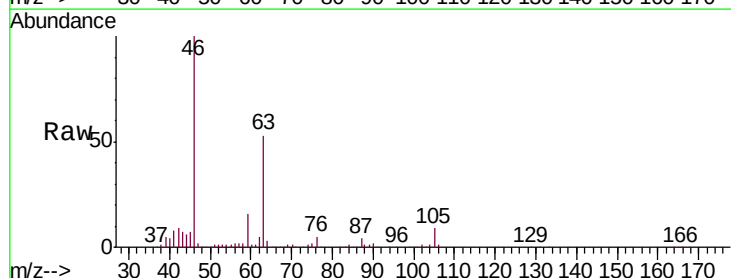
Instrument :
MSVOA_U
ClientSampleId :
P0002-STEEL-191007-01MSD

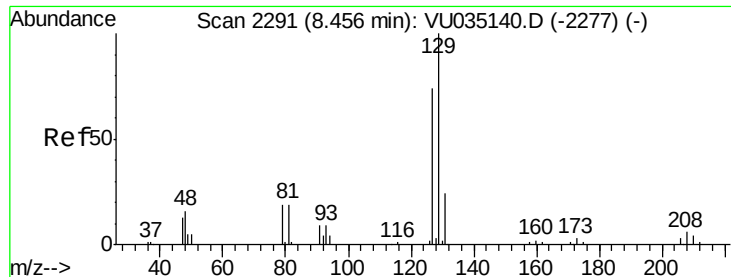
Tgt Ion:	164	Resp:	43386
Ion	Ratio	Lower	Upper
164	100		
129	93.8	68.5	127.1
131	91.5	67.3	124.9
166	124.3	93.1	172.9



#48
2-Hexanone
Concen: 2.373 ug/L
RT: 8.30 min Scan# 2243
Delta R.T. -0.05 min
Lab File: VU035150.D
Acq: 14 Oct 2019 15:10

Tgt Ion:	43	Resp:	13249
Ion	Ratio	Lower	Upper
43	100		
58	26.7	44.1	66.1#
57	32.8	15.8	23.8#
100	1.5	9.4	14.2#

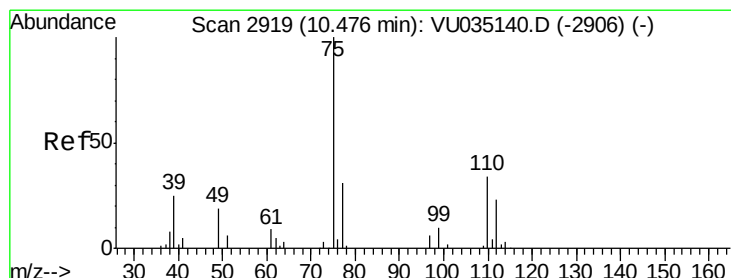
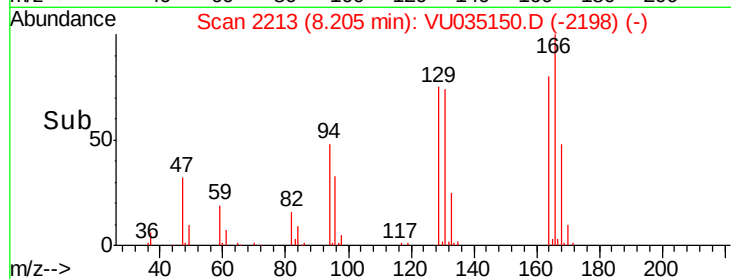
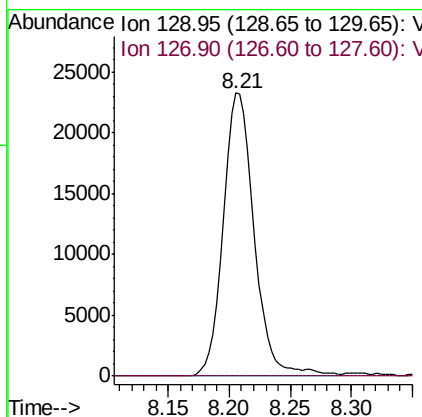
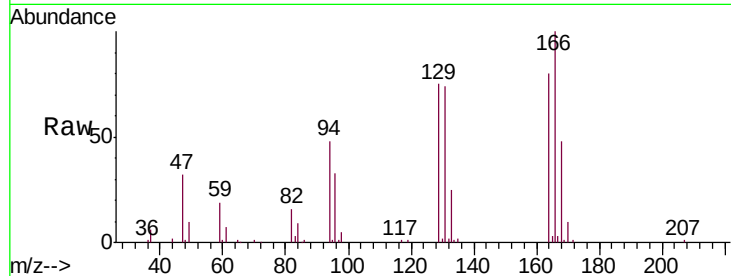




#49
 Dibromochloromethane
 Concen: 4.185 ug/L
 RT: 8.21 min Scan# 2213
 Delta R.T. -0.25 min
 Lab File: VU035150.D
 Acq: 14 Oct 2019 15:10

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

Tgt Ion: 129 Resp: 41549
 Ion Ratio Lower Upper
 129 100
 127 0.0 51.9 96.5#



#59
 1,2,3-Trichloropropane
 Concen: 0.921 ug/L
 RT: 11.47 min Scan# 3228
 Delta R.T. 0.99 min
 Lab File: VU035150.D
 Acq: 14 Oct 2019 15:10

Tgt Ion: 75 Resp: 7710
 Ion Ratio Lower Upper
 75 100
 77 39.4 26.5 39.7

