

Data File : VU035163.D
Acq On : 14 Oct 2019 20:36
Operator : JC/SP
Sample : K5311-06
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
P0002-STEELE-191007-02

Quant Time: Oct 15 07:59:36 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Oct 15 07:54:07 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	144194	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	146438	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	54021	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	42202	4.95	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	99.00%
7) Chloroethane-d5	1.68	69	42002	5.28	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	105.60%
11) 1,1-Dichloroethene-d2	2.26	63	62712	3.49	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	69.80%
20) 2-Butanone-d5	4.17	46	145349	57.91	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	115.82%
24) Chloroform-d	4.62	84	74803	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.80%
26) 1,2-Dichloroethane-d4	5.29	65	50936	5.34	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.80%
32) Benzene-d6	5.32	84	158703	4.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.40%
36) 1,2-Dichloropropane-d6	6.31	67	59687	5.20	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.00%
41) Toluene-d8	7.55	98	133327	4.01	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.20%
43) trans-1,3-Dichloropropene-	7.84	79	16871	4.09	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	81.80%
46) 2-Hexanone-d5	8.30	63	108034	54.98	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	109.96%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	55039	5.69	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	113.80%
64) 1,2-Dichlorobenzene-d4	11.85	152	48144	5.28	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.60%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	8578	0.651 ug/L	99
3) Chloromethane	1.33	50	4414	0.305 ug/L	91
13) Acetone	2.31	43	8404	4.088 ug/L	86
16) Methylene chloride	2.69	84	729	0.064 ug/L #	73
17) Methyl tert-butyl Ether	2.98	73	7756	0.307 ug/L #	80
18) trans-1,2-Dichloroethene	2.97	96	838	0.084 ug/L #	63
22) cis-1,2-Dichloroethene	4.20	96	42582	3.849 ug/L	91
25) Chloroform	4.65	83	14699	0.664 ug/L	99
34) Trichloroethene	6.16	95	38652	3.398 ug/L	97
35) Methylcyclohexane	6.31	83	12706	0.690 ug/L #	18
37) 1,2-Dichloropropane	6.31	63	6924	0.582 ug/L #	88
47) Tetrachloroethene	8.21	164	43740	4.750 ug/L	95
48) 2-Hexanone	8.35	43	5347	1.041 ug/L #	42
49) Dibromochloromethane	8.21	129	42269	4.629 ug/L #	12
59) 1,2,3-Trichloropropane	11.47	75	6532	0.848 ug/L	89

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101419\
Quantitation Report (Not Reviewed)

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Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Oct 15 07:54:07 2019
Response via : Initial Calibration

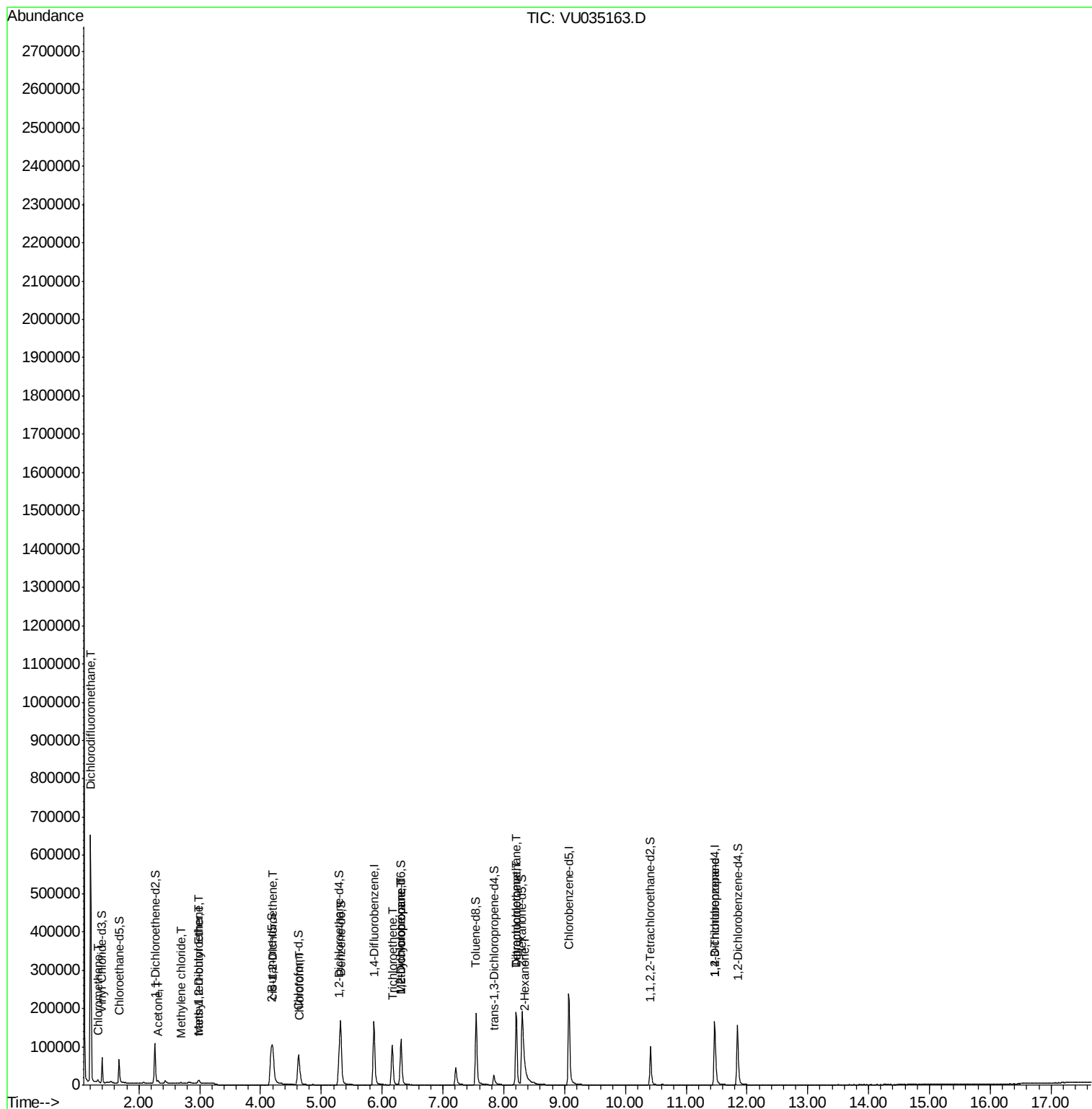
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

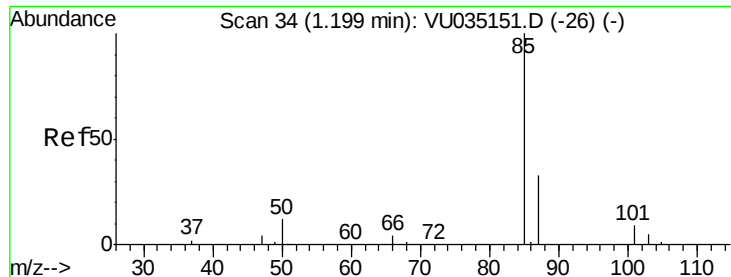
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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#2

Dichlorodifluoromethane

Concen: 0.651 ug/L

RT: 1.21 min Scan# 36

Delta R.T. 0.01 min

Lab File: VU035163.D

Acq: 14 Oct 2019 20:36

Instrument :

MSVOA_U

ClientSampleId :

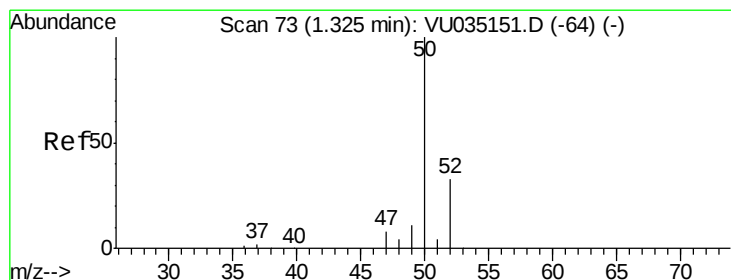
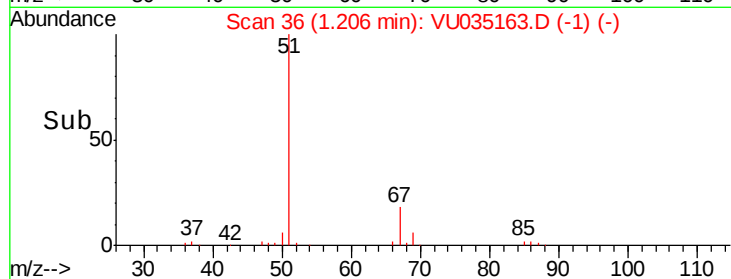
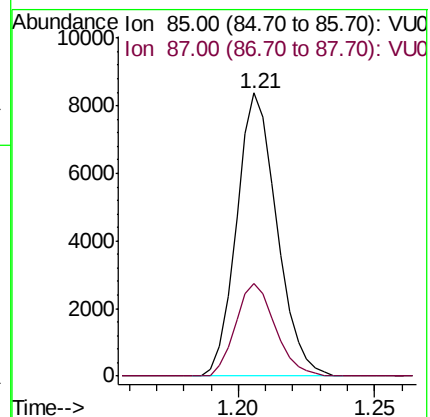
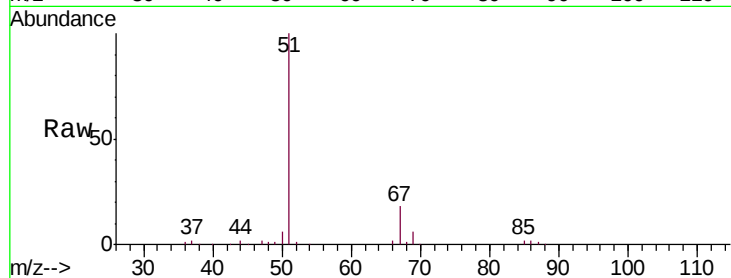
P0002-STEELE-191007-02

Tgt Ion: 85 Resp: 8578

Ion Ratio Lower Upper

85 100

87 32.1 26.3 39.5



#3

Chloromethane

Concen: 0.305 ug/L

RT: 1.33 min Scan# 74

Delta R.T. 0.00 min

Lab File: VU035163.D

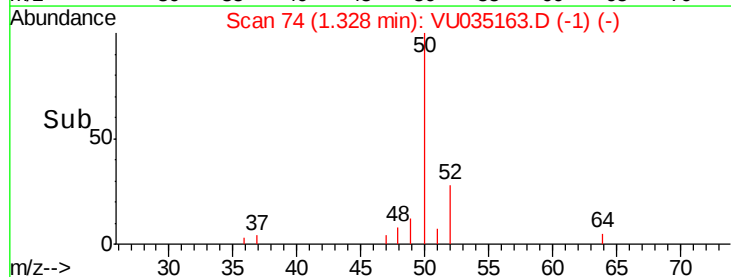
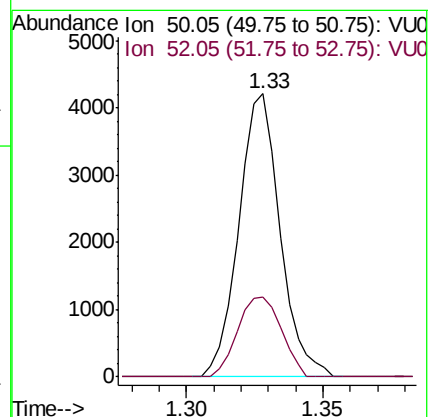
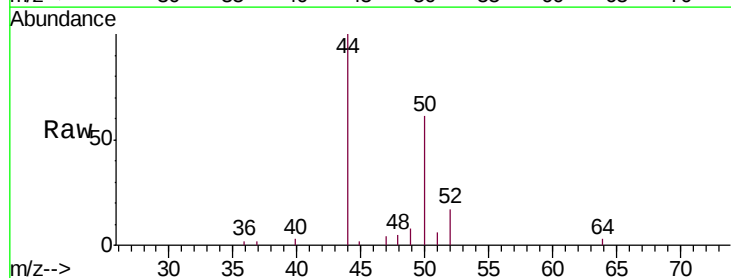
Acq: 14 Oct 2019 20:36

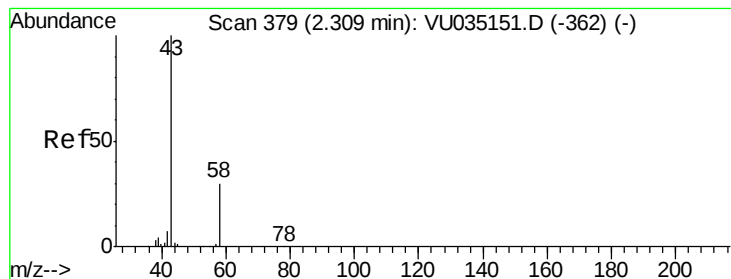
Tgt Ion: 50 Resp: 4414

Ion Ratio Lower Upper

50 100

52 28.1 23.3 43.3





#13

Acetone

Concen: 4.088 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VU035163.D

Acq: 14 Oct 2019 20:36

Instrument :

MSVOA_U

ClientSampleId :

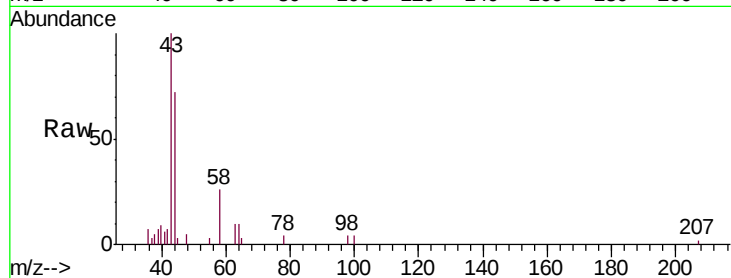
P0002-STEELE-191007-02

Tgt Ion: 43 Resp: 8404

Ion Ratio Lower Upper

43 100

58 25.3 0.0 66.6



Abundance Ion 43.05 (42.75 to 43.75): VU035151.D (-362) (-)

Ion 58.05 (57.75 to 58.75): VU035151.D (-362) (-)

5000

4000

3000

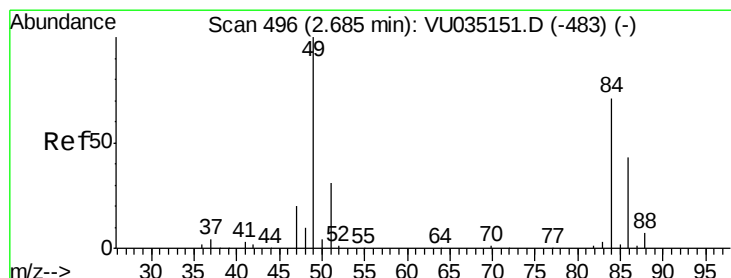
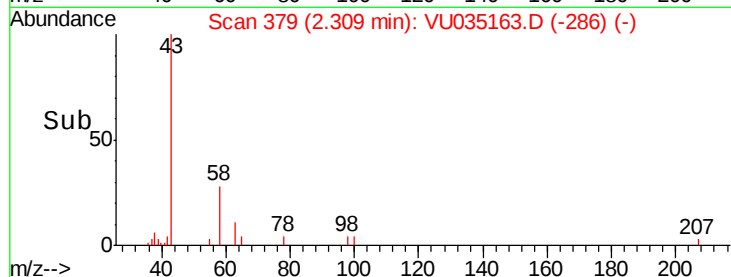
2000

1000

0

Time--> 2.20 2.25 2.30 2.35 2.40

2.31



#16

Methylene chloride

Concen: 0.064 ug/L

RT: 2.69 min Scan# 497

Delta R.T. 0.00 min

Lab File: VU035163.D

Acq: 14 Oct 2019 20:36

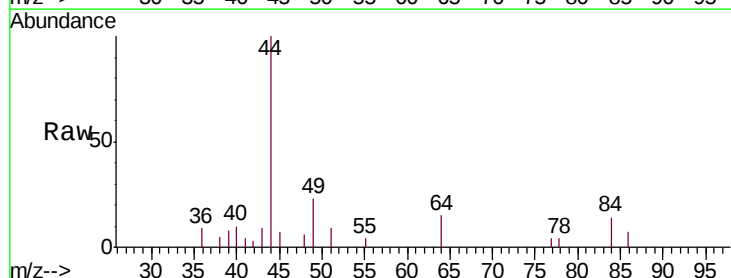
Tgt Ion: 84 Resp: 729

Ion Ratio Lower Upper

84 100

86 50.2 42.5 78.9

49 162.2 86.9 161.3#



Abundance Ion 84.05 (83.75 to 84.75): VU035151.D (-483) (-)

Ion 86.00 (85.70 to 86.70): VU035151.D (-483) (-)

Ion 49.10 (48.80 to 49.80): VU035151.D (-483) (-)

800

600

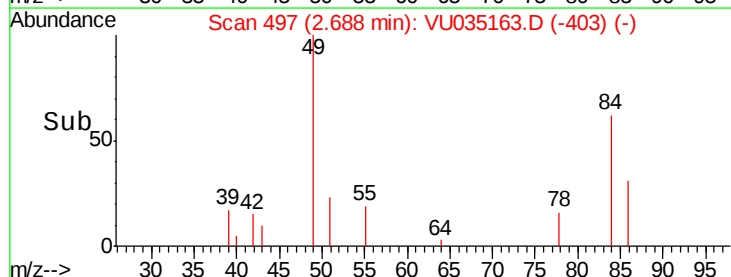
400

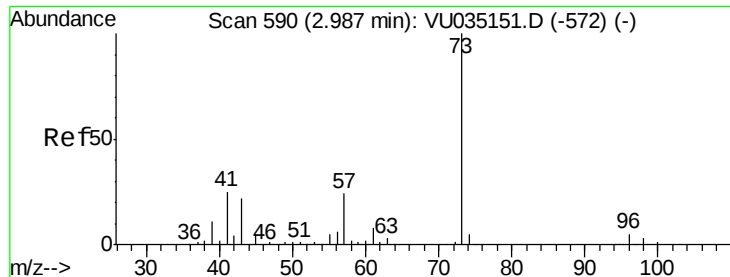
200

0

Time--> 2.65 2.70

2.69

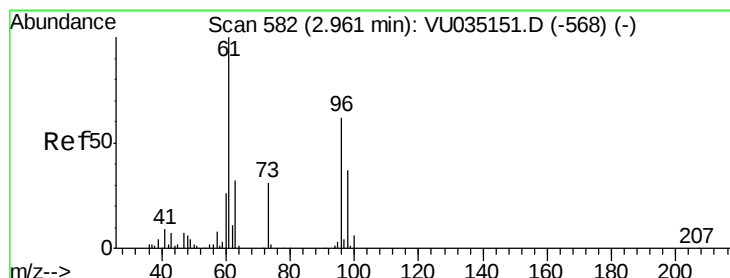
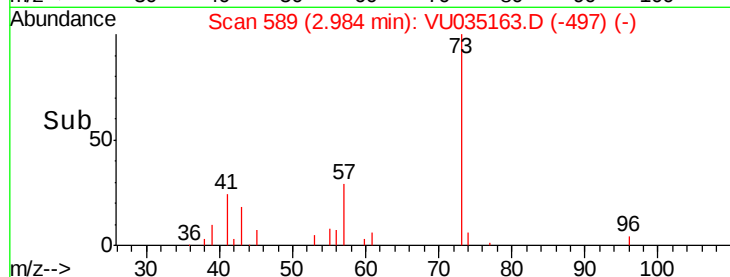
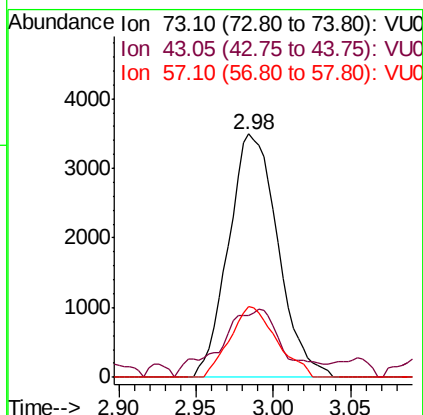
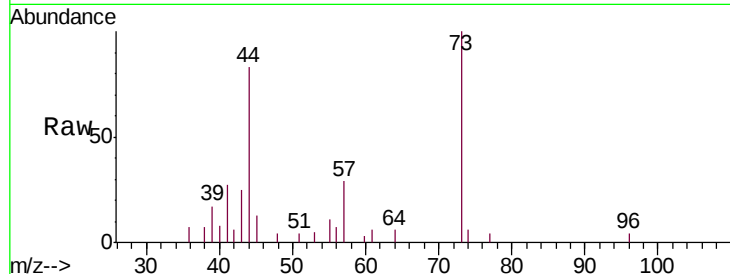




#17
Methyl tert-butyl Ether
Concen: 0.307 ug/L
RT: 2.98 min Scan# 589
Delta R.T. -0.00 min
Lab File: VU035163.D
Acq: 14 Oct 2019 20:36

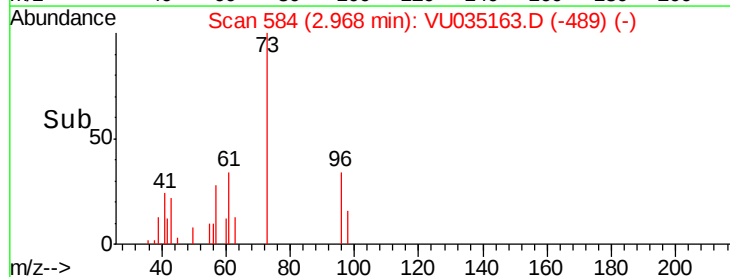
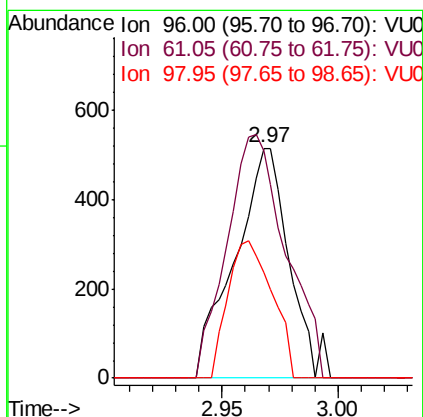
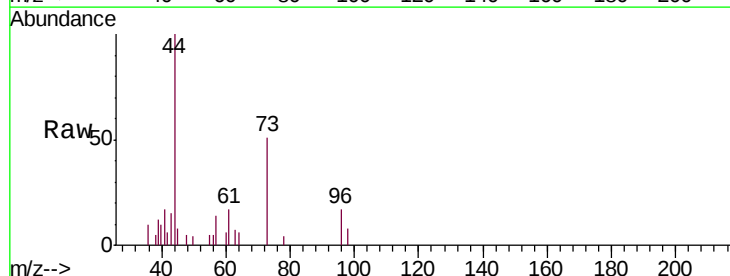
Instrument :
MSVOA_U
ClientSampleId :
P0002-STEELE-191007-02

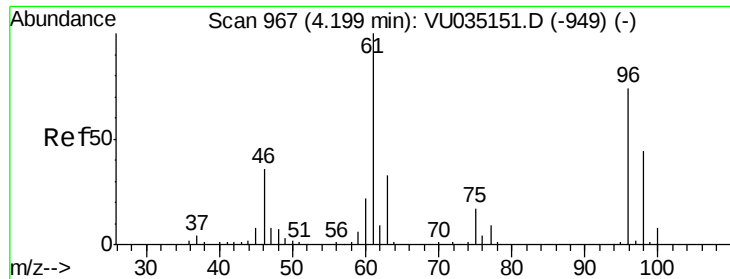
Tgt Ion: 73 Resp: 7756
Ion Ratio Lower Upper
73 100
43 36.0 16.3 24.5#
57 27.3 18.6 28.0



#18
trans-1,2-Dichloroethene
Concen: 0.084 ug/L
RT: 2.97 min Scan# 584
Delta R.T. 0.01 min
Lab File: VU035163.D
Acq: 14 Oct 2019 20:36

Tgt Ion: 96 Resp: 838
Ion Ratio Lower Upper
96 100
61 98.8 107.1 198.9#
98 45.7 45.4 84.4



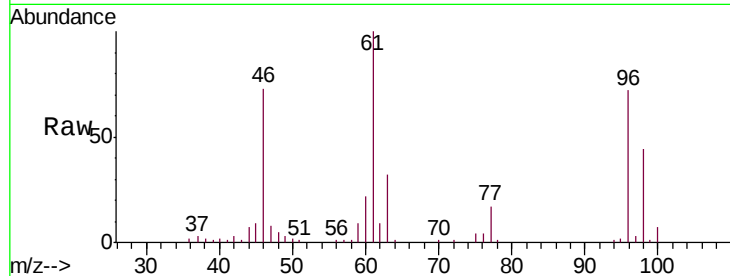


#22

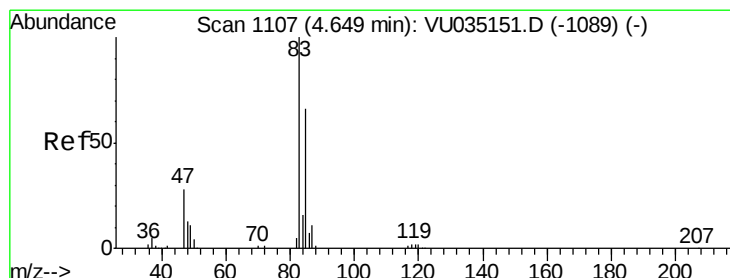
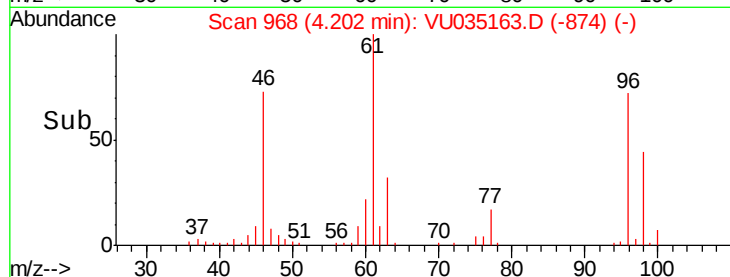
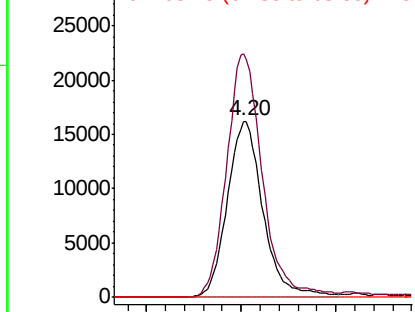
cis-1,2-Dichloroethene
 Concen: 3.849 ug/L
 RT: 4.20 min Scan# 968
 Delta R.T. 0.00 min
 Lab File: VU035163.D
 Acq: 14 Oct 2019 20:36

Instrument :
 MSVOA_U
 ClientSampleId :
 P0002-STEELE-191007-02

Tgt Ion: 96 Resp: 42582
 Ion Ratio Lower Upper
 96 100
 61 138.1 89.2 165.6
 68 0.0 0.0 0.0



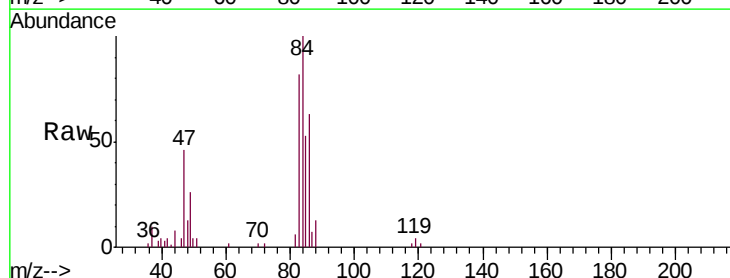
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0



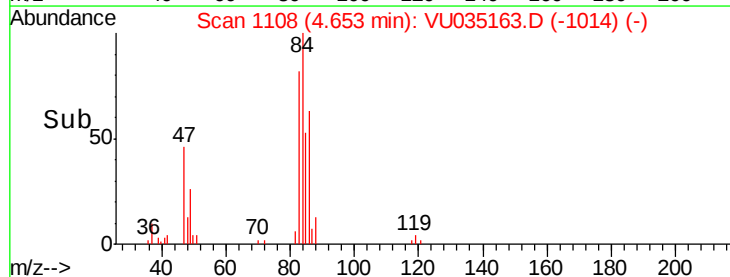
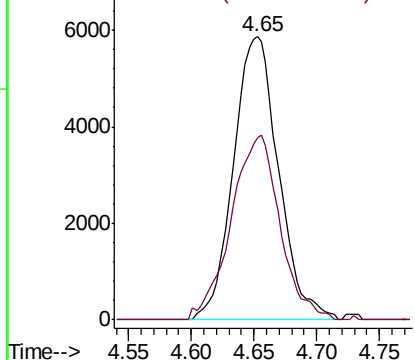
#25

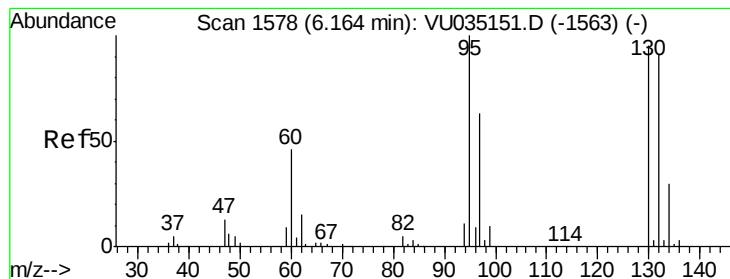
Chloroform
 Concen: 0.664 ug/L
 RT: 4.65 min Scan# 1108
 Delta R.T. 0.00 min
 Lab File: VU035163.D
 Acq: 14 Oct 2019 20:36

Tgt Ion: 83 Resp: 14699
 Ion Ratio Lower Upper
 83 100
 85 64.4 45.4 84.4



Abundance Ion 83.05 (82.75 to 83.75): VU0
 Ion 85.00 (84.70 to 85.70): VU0





#34

Trichloroethene

Concen: 3.398 ug/L

RT: 6.16 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VU035163.D

Acq: 14 Oct 2019 20:36

Instrument :

MSVOA_U

ClientSampleId :

P0002-STEELE-191007-02

Tgt Ion: 95 Resp: 38652

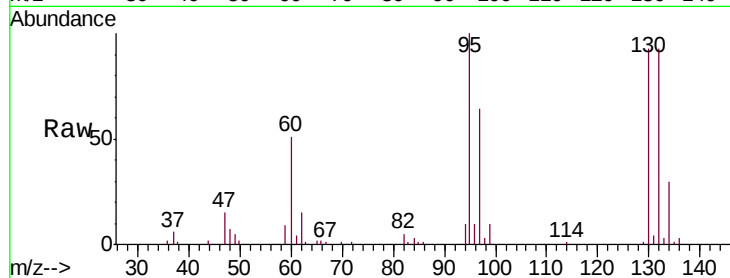
Ion Ratio Lower Upper

95 100

97 63.7 44.5 82.7

132 93.1 66.6 123.8

130 93.3 68.9 127.9

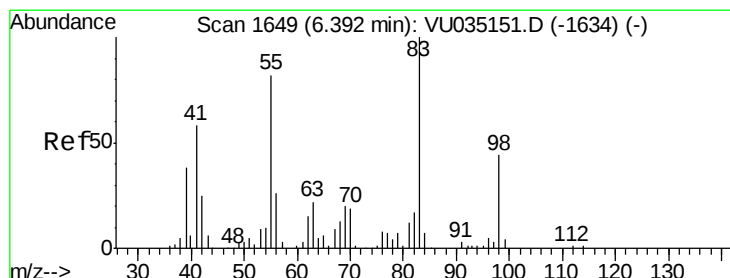
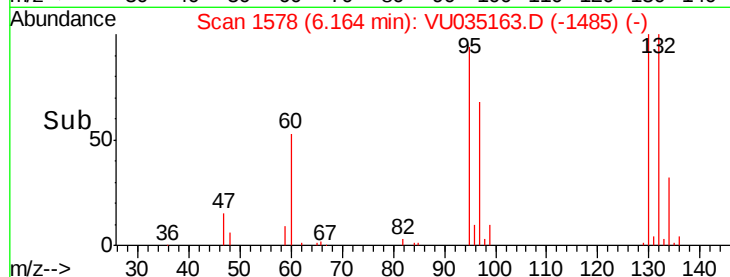
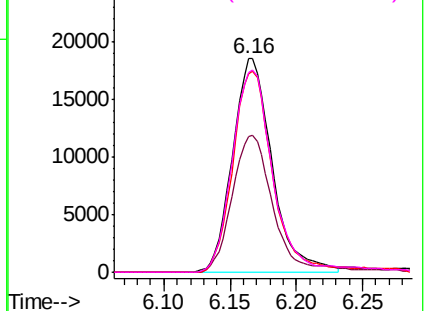


Abundance Ion 95.00 (94.70 to 95.70): VU0

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



#35

Methylcyclohexane

Concen: 0.690 ug/L

RT: 6.31 min Scan# 1624

Delta R.T. -0.08 min

Lab File: VU035163.D

Acq: 14 Oct 2019 20:36

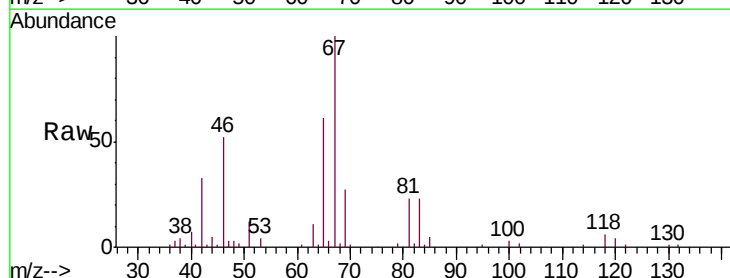
Tgt Ion: 83 Resp: 12706

Ion Ratio Lower Upper

83 100

55 0.0 62.6 94.0#

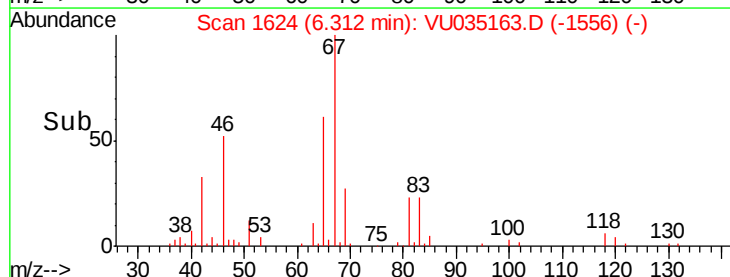
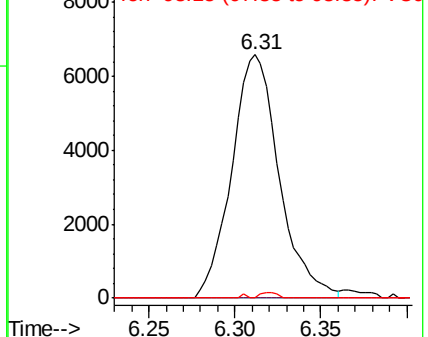
98 0.8 36.2 54.2#

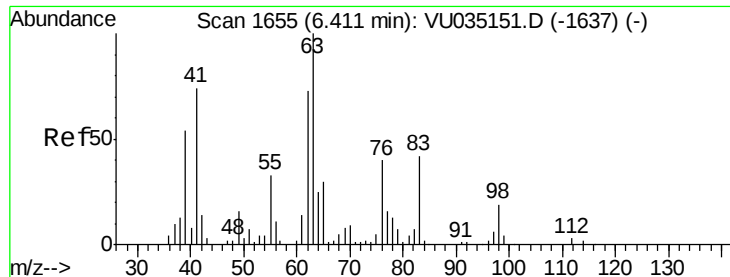


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 0.582 ug/L

RT: 6.31 min Scan# 1624

Delta R.T. -0.10 min

Lab File: VU035163.D

Acq: 14 Oct 2019 20:36

Instrument :

MSVOA_U

ClientSampleId :

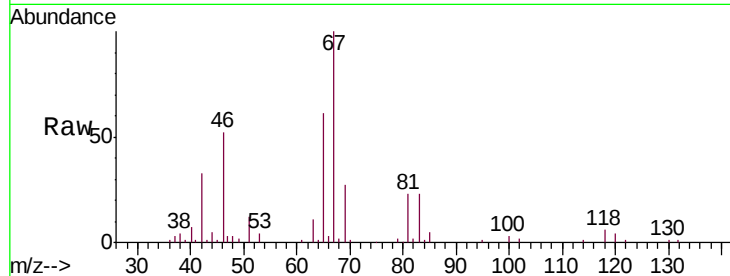
P0002-STEELE-191007-02

Tgt Ion: 63 Resp: 6924

Ion Ratio Lower Upper

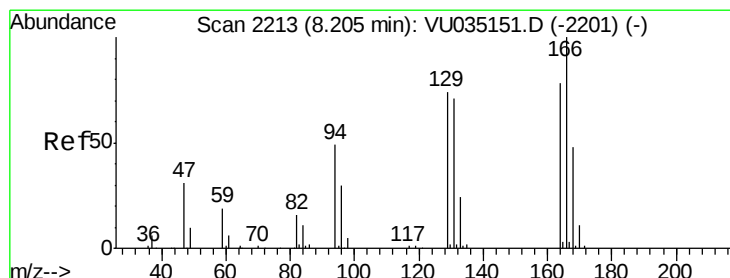
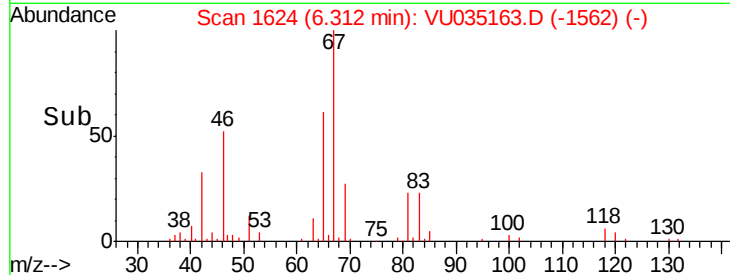
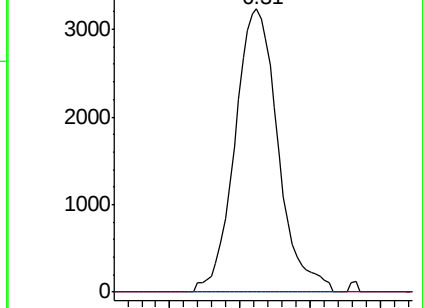
63 100

112 0.0 3.1 4.7#



Abundance Ion 63.10 (62.80 to 63.80): VU035151.D (-1637) (-)

Ion 112.10 (111.80 to 112.80): VU035151.D (-1637) (-)



#47

Tetrachloroethene

Concen: 4.750 ug/L

RT: 8.21 min Scan# 2214

Delta R.T. 0.00 min

Lab File: VU035163.D

Acq: 14 Oct 2019 20:36

Tgt Ion: 164 Resp: 43740

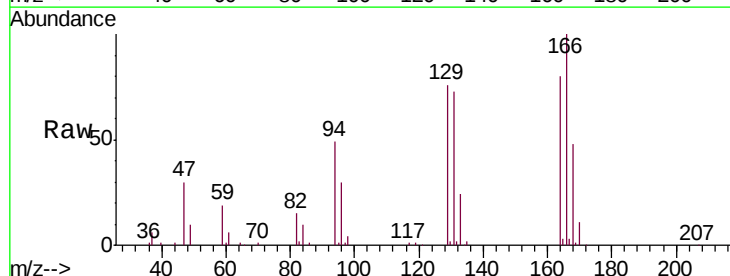
Ion Ratio Lower Upper

164 100

129 95.0 68.5 127.1

131 91.2 67.3 124.9

166 125.2 93.1 172.9

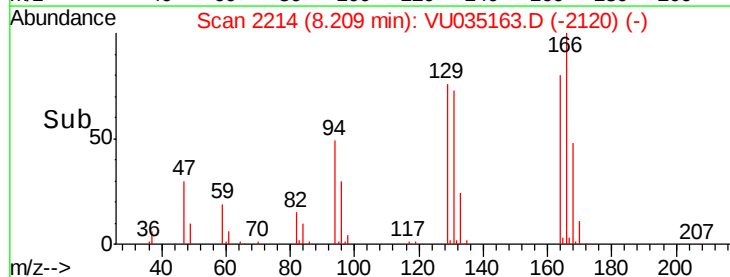
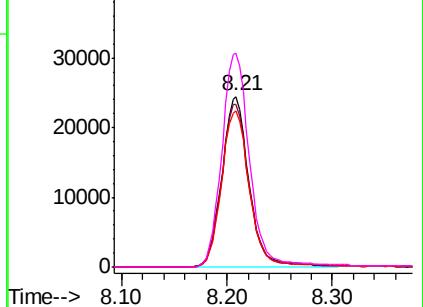


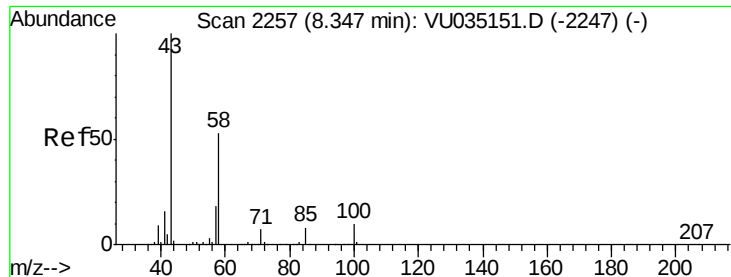
Abundance Ion 163.90 (163.60 to 164.60): VU035151.D (-2201) (-)

Ion 128.95 (128.65 to 129.65): VU035151.D (-2201) (-)

Ion 130.95 (130.65 to 131.65): VU035151.D (-2201) (-)

Ion 165.90 (165.60 to 166.60): VU035151.D (-2201) (-)

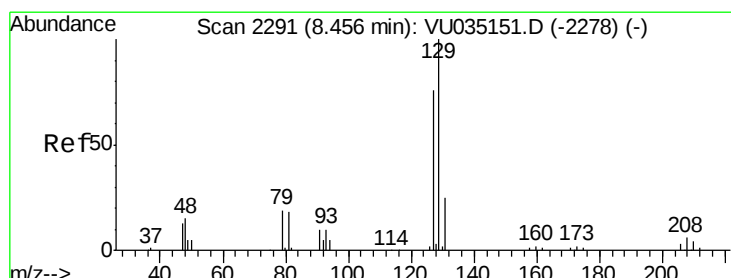
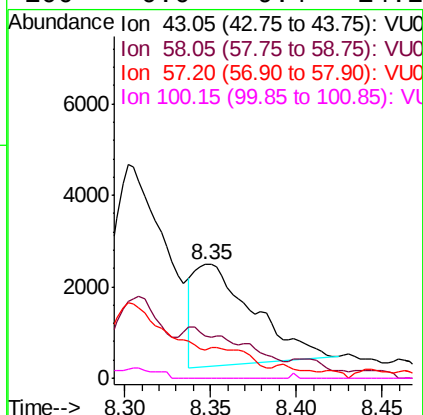
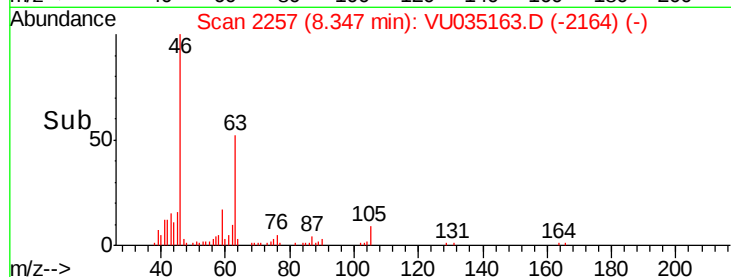
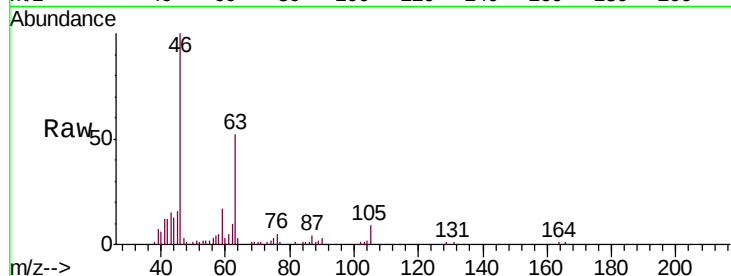




#48
2-Hexanone
Concen: 1.041 ug/L
RT: 8.35 min Scan# 2257
Delta R.T. 0.00 min
Lab File: VU035163.D
Acq: 14 Oct 2019 20:36

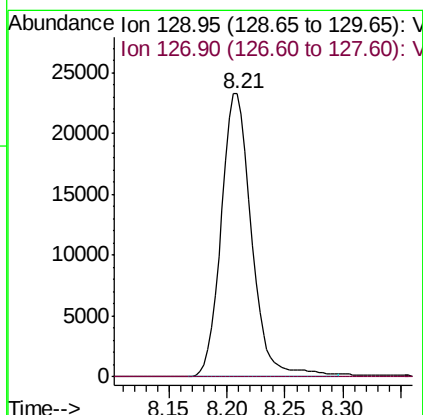
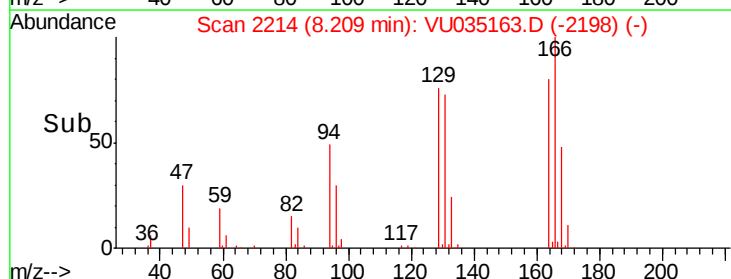
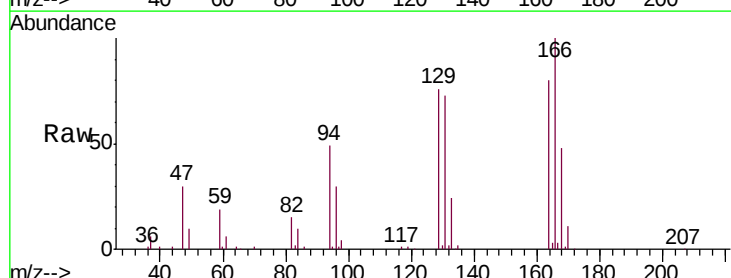
Instrument :
MSVOA_U
ClientSampleId :
P0002-STEELE-191007-02

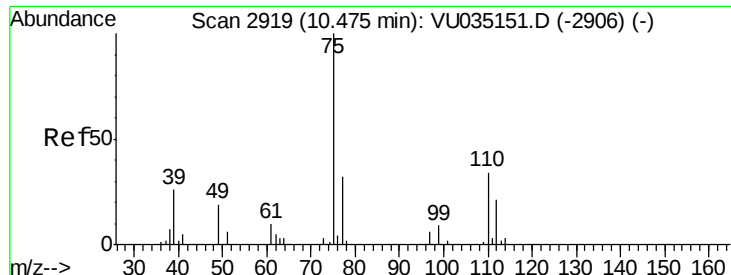
Tgt Ion: 43 Resp: 5347
Ion Ratio Lower Upper
43 100
58 5.1 44.1 66.1#
57 0.0 15.8 23.8#
100 0.0 9.4 14.2#



#49
Dibromochloromethane
Concen: 4.629 ug/L
RT: 8.21 min Scan# 2214
Delta R.T. -0.25 min
Lab File: VU035163.D
Acq: 14 Oct 2019 20:36

Tgt Ion: 129 Resp: 42269
Ion Ratio Lower Upper
129 100
127 0.0 51.9 96.5#





#59

1,2,3-Trichloropropane

Concen: 0.848 ug/L

RT: 11.47 min Scan# 3229

Delta R.T. 1.00 min

Lab File: VU035163.D

Acq: 14 Oct 2019 20:36

Instrument :

MSVOA_U

ClientSampleId :

P0002-STEELE-191007-02

Tgt Ion: 75 Resp: 6532

Ion Ratio Lower Upper

75 100

77 39.3 26.5 39.7

