

Data File : VU035149.D
Acq On : 14 Oct 2019 14:45
Operator : JC/SP
Sample : K5311-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

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

Quant Time: Oct 15 07:09:21 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

					Qvalue
2) Dichlorodifluoromethane	1.21	85	8431	0.579 ug/L	99
3) Chloromethane	1.32	50	2829	0.177 ug/L	83
12) 1,1-Dichloroethene	2.26	96	620	0.061 ug/L #	1
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
25) Chloroform	4.65	83	9423	0.385 ug/L	97
34) Trichloroethene	6.16	95	40108	3.059 ug/L	96
35) Methylcyclohexane	6.31	83	14765	0.695 ug/L #	18
37) 1,2-Dichloropropane	6.31	63	7565	0.552 ug/L #	88
39) cis-1,3-Dichloropropene	7.21	75	1432	0.077 ug/L	98
47) Tetrachloroethene	8.21	164	43892	4.135 ug/L	99
48) 2-Hexanone	8.30	43	13024	2.200 ug/L #	68
49) Dibromochloromethane	8.21	129	42842	4.070 ug/L #	12
59) 1,2,3-Trichloropropane	11.47	75	8092	0.911 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 07:04:39 2019
Response via : Initial Calibration

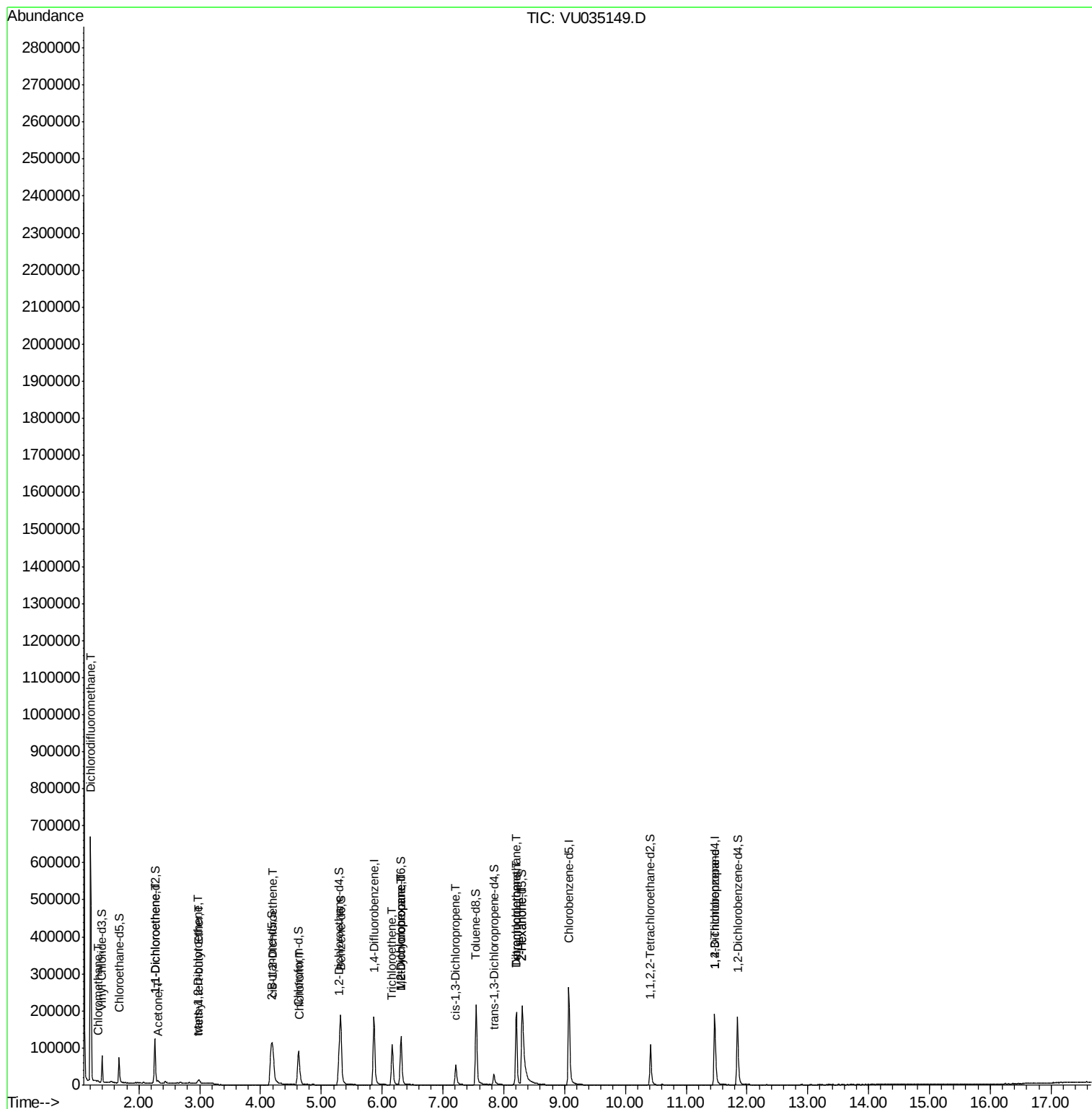
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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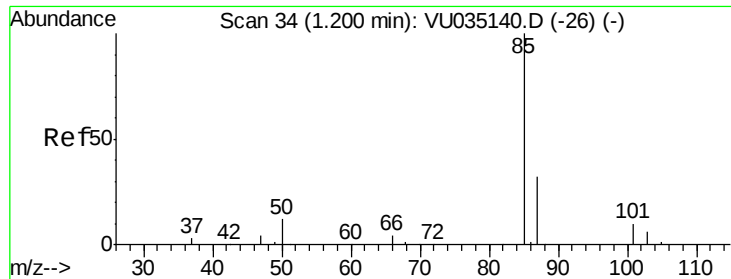
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Oct 15 07:04:39 2019
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 :

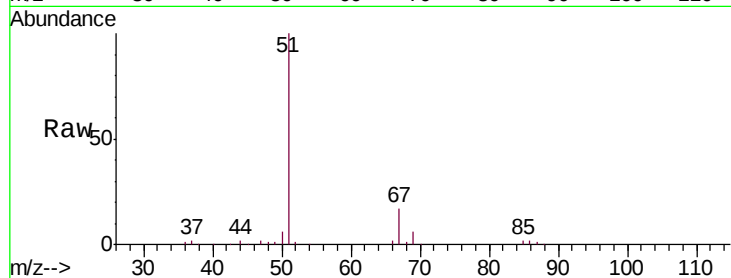
P0002-STEELE-191007-01MS

Tgt Ion: 85 Resp: 8431

Ion Ratio Lower Upper

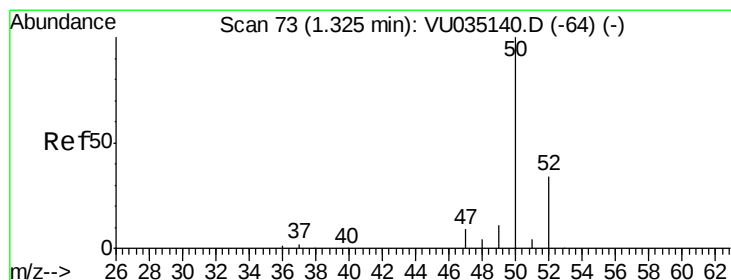
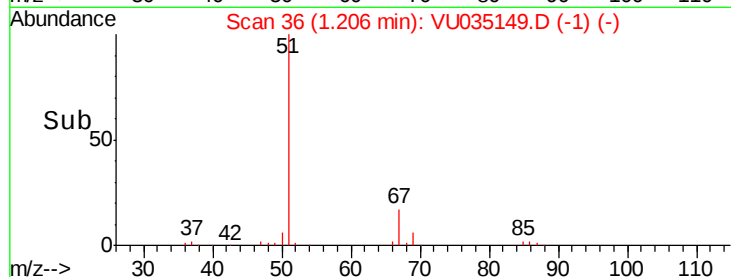
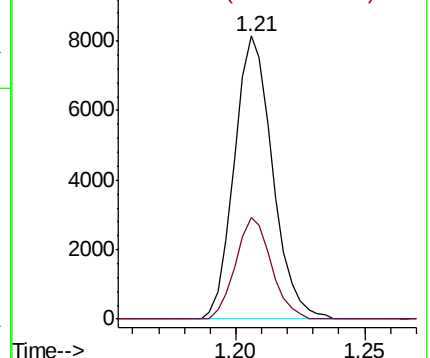
85 100

87 33.4 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: 0.177 ug/L

RT: 1.32 min Scan# 73

Delta R.T. -0.00 min

Lab File: VU035149.D

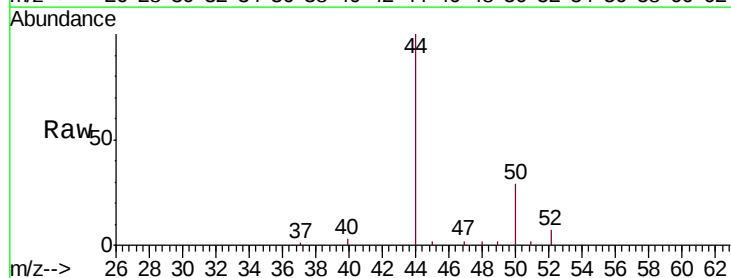
Acq: 14 Oct 2019 14:45

Tgt Ion: 50 Resp: 2829

Ion Ratio Lower Upper

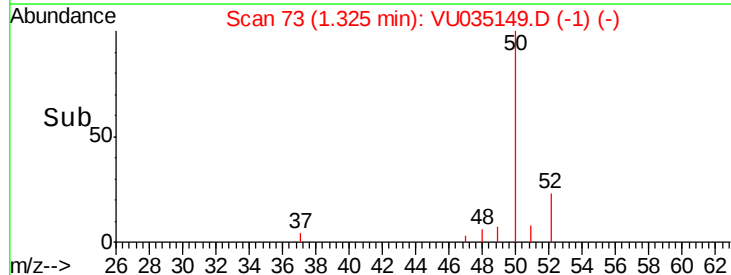
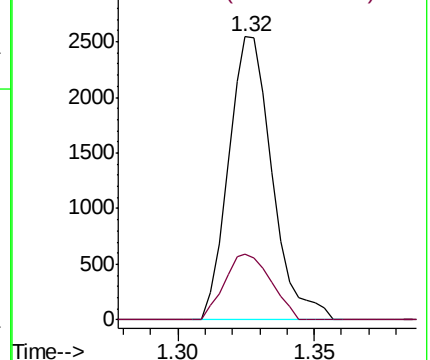
50 100

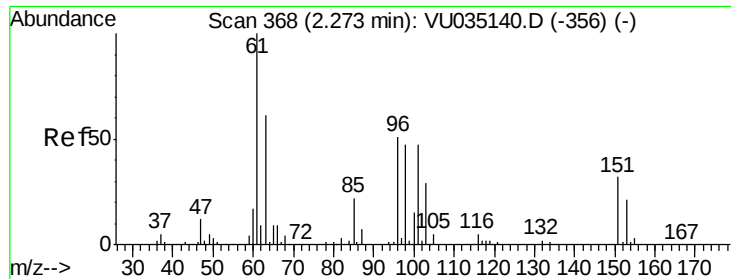
52 23.4 23.3 43.3



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#12

1,1-Dichloroethene

Concen: 0.061 ug/L

RT: 2.26 min Scan# 365

Delta R.T. -0.01 min

Lab File: VU035149.D

Acq: 14 Oct 2019 14:45

Instrument :

MSVOA_U

ClientSampleId :

P0002-STEELE-191007-01MS

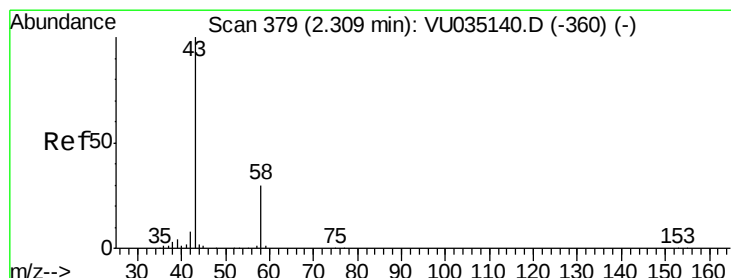
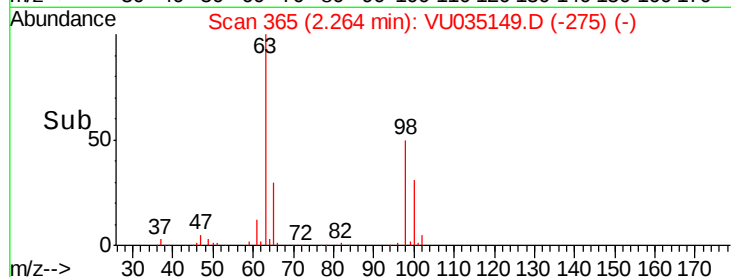
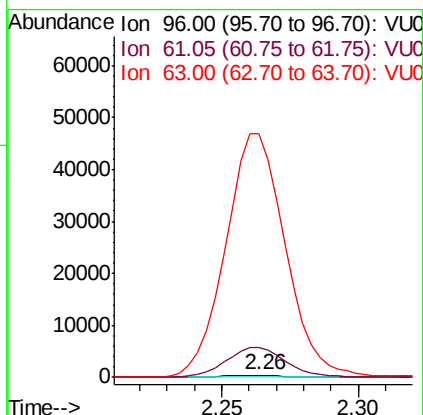
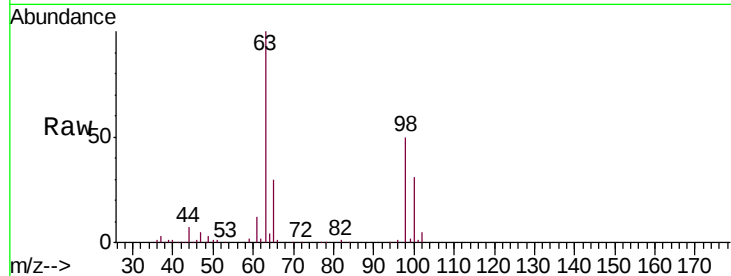
Tgt Ion: 96 Resp: 620

Ion Ratio Lower Upper

96 100

61 1484.0 129.3 240.1#

63 11894.4 108.9 202.3#



#13

Acetone

Concen: 2.710 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VU035149.D

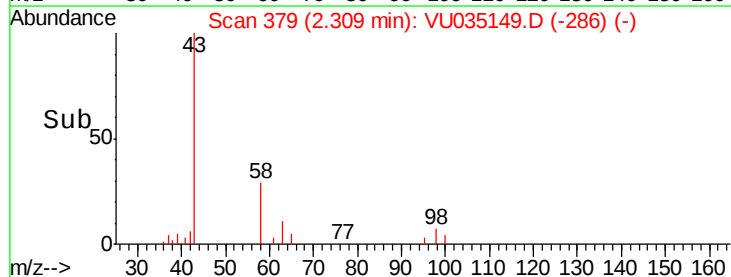
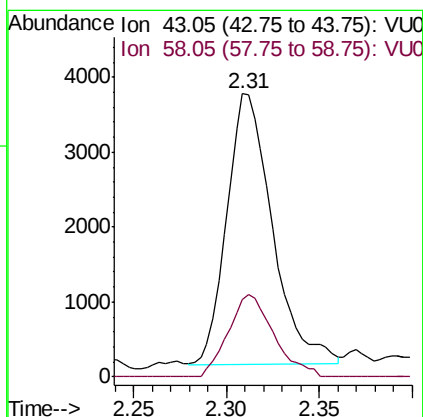
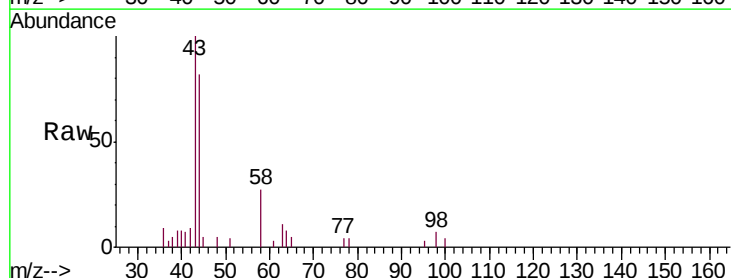
Acq: 14 Oct 2019 14:45

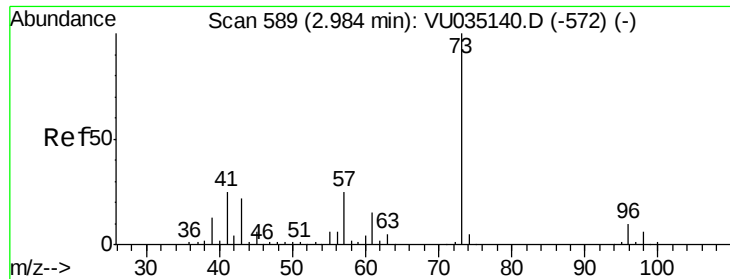
Tgt Ion: 43 Resp: 6159

Ion Ratio Lower Upper

43 100

58 30.4 0.0 66.6

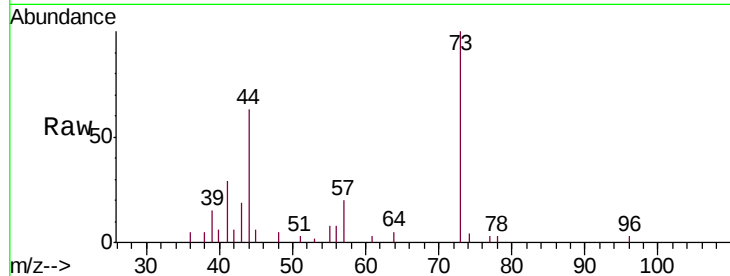




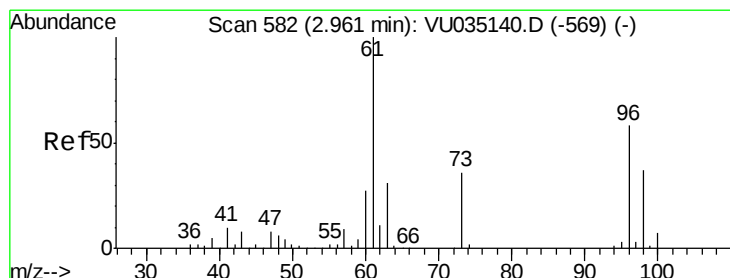
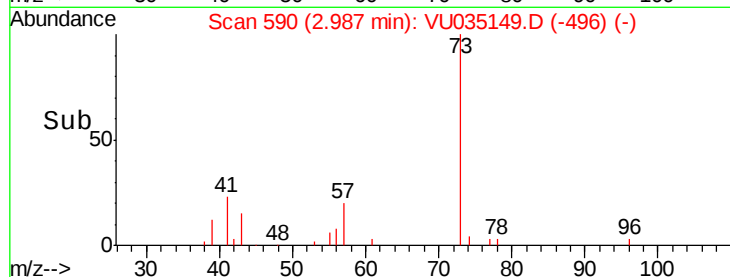
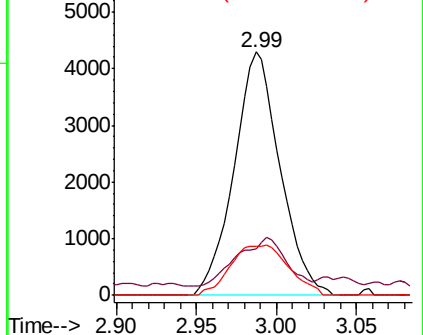
#17
Methyl tert-butyl Ether
Concen: 0.301 ug/L
RT: 2.99 min Scan# 590
Delta R.T. 0.00 min
Lab File: VU035149.D
Acq: 14 Oct 2019 14:45

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

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

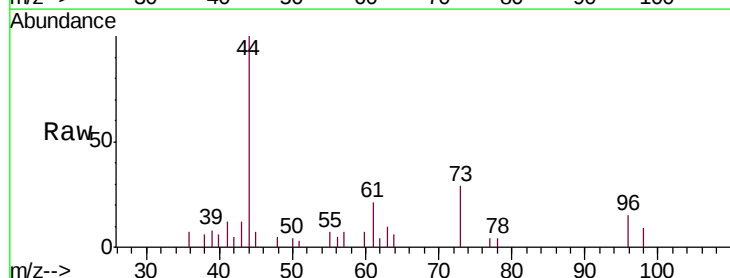


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

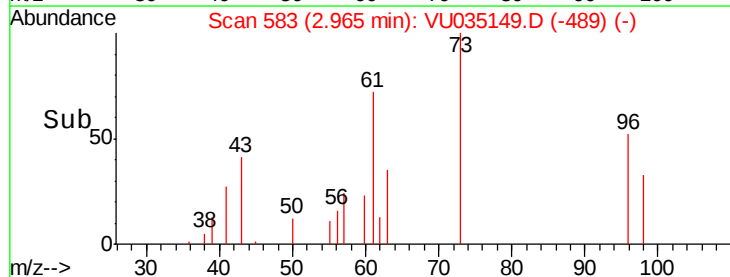
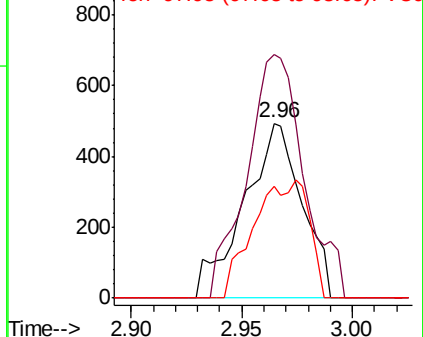


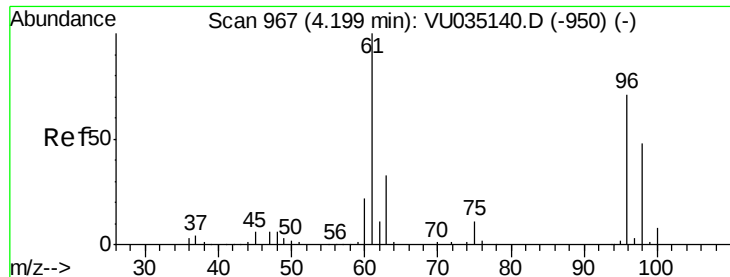
#18
trans-1,2-Dichloroethene
Concen: 0.082 ug/L
RT: 2.96 min Scan# 583
Delta R.T. 0.00 min
Lab File: VU035149.D
Acq: 14 Oct 2019 14:45

Tgt 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): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0





#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

Instrument :

MSVOA_U

ClientSampleId :

P0002-STEELE-191007-01MS

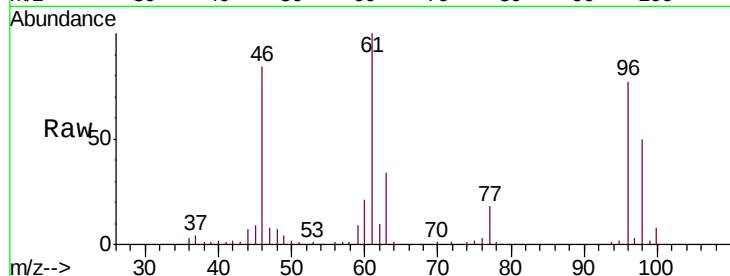
Tgt Ion: 96 Resp: 43652

Ion Ratio Lower Upper

96 100

61 129.4 89.2 165.6

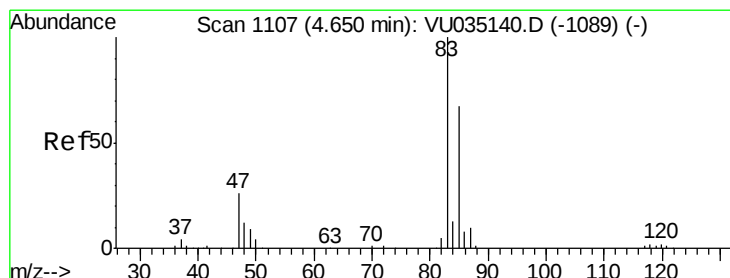
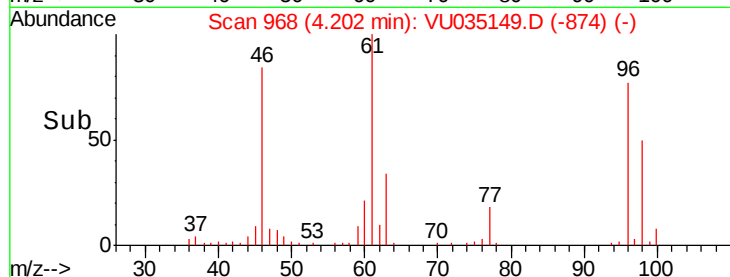
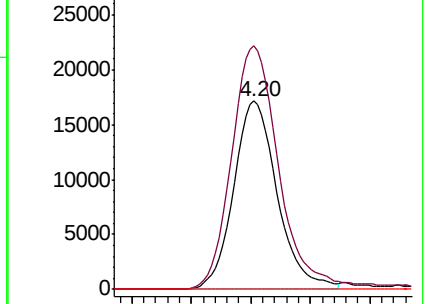
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU035149.D (-968) (-)

Ion 61.05 (60.75 to 61.75): VU035149.D (-968) (-)

Ion 68.15 (67.85 to 68.85): VU035149.D (-968) (-)



#25

Chloroform

Concen: 0.385 ug/L

RT: 4.65 min Scan# 1108

Delta R.T. 0.00 min

Lab File: VU035149.D

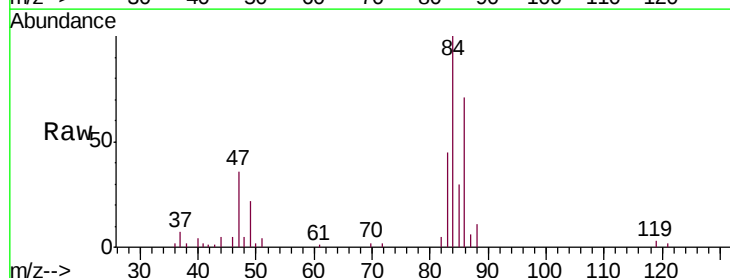
Acq: 14 Oct 2019 14:45

Tgt Ion: 83 Resp: 9423

Ion Ratio Lower Upper

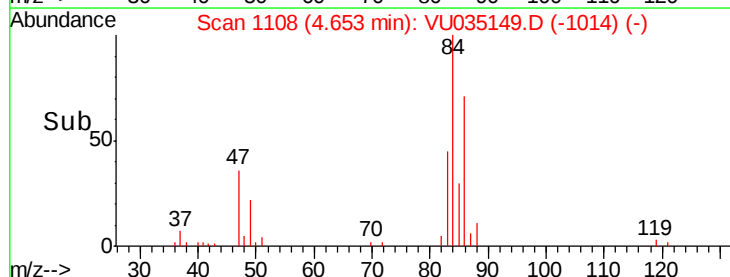
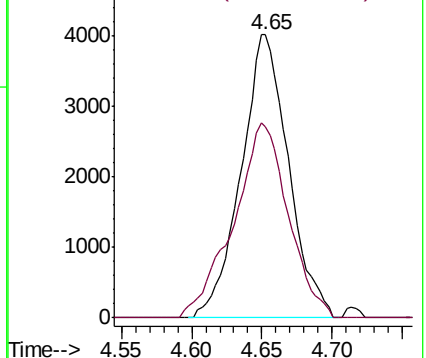
83 100

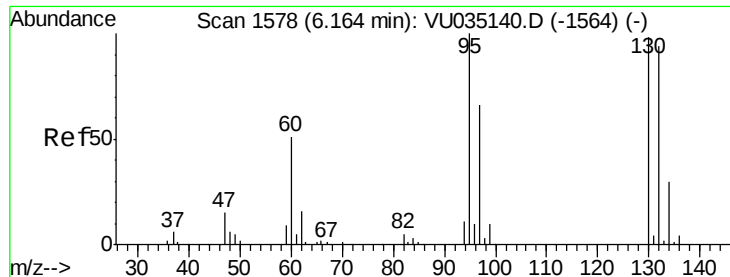
85 67.4 45.4 84.4



Abundance Ion 83.05 (82.75 to 83.75): VU035149.D (-1108) (-)

Ion 85.00 (84.70 to 85.70): VU035149.D (-1108) (-)





#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 :

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ClientSampleId :

P0002-STEEL-191007-01MS

Tgt Ion: 95 Resp: 40108

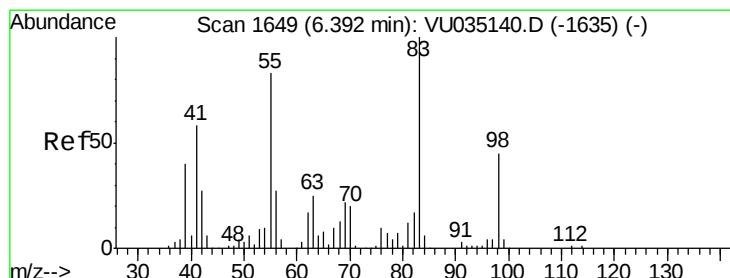
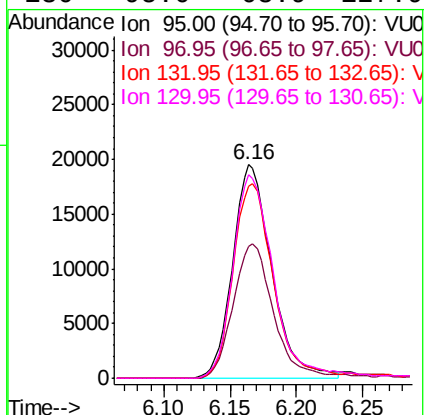
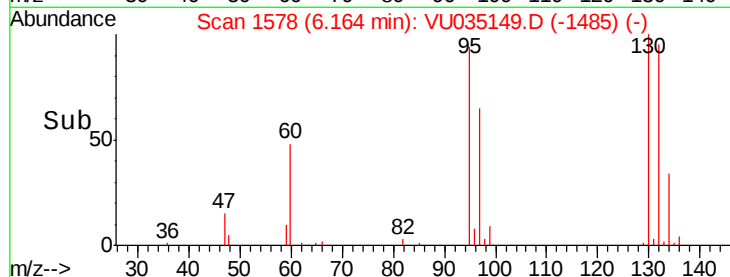
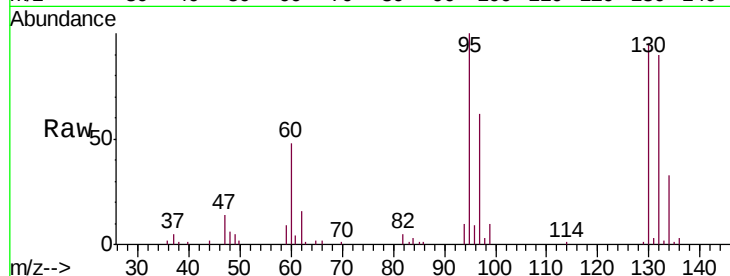
Ion Ratio Lower Upper

95 100

97 61.8 44.5 82.7

132 89.9 66.6 123.8

130 95.0 68.9 127.9



#35

Methylcyclohexane

Concen: 0.695 ug/L

RT: 6.31 min Scan# 1623

Delta R.T. -0.08 min

Lab File: VU035149.D

Acq: 14 Oct 2019 14:45

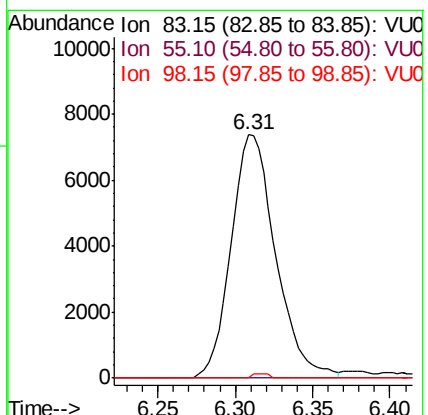
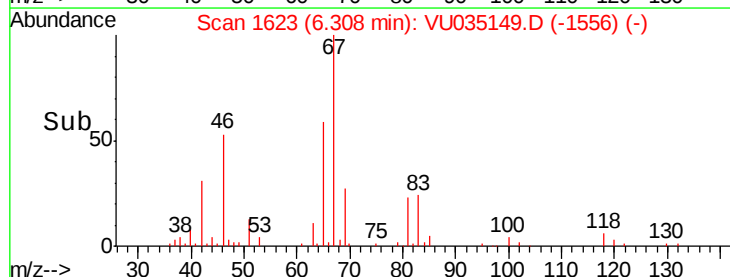
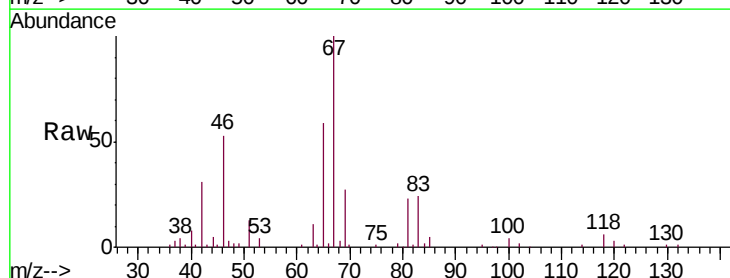
Tgt Ion: 83 Resp: 14765

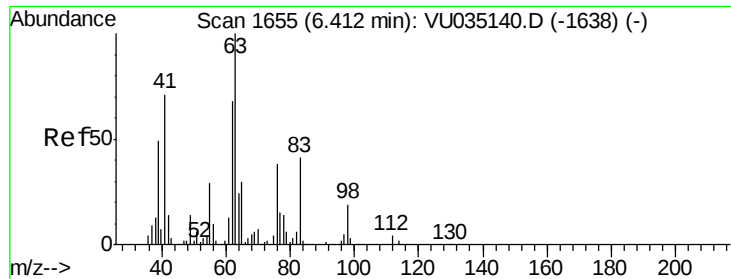
Ion Ratio Lower Upper

83 100

55 0.0 62.6 94.0#

98 0.7 36.2 54.2#

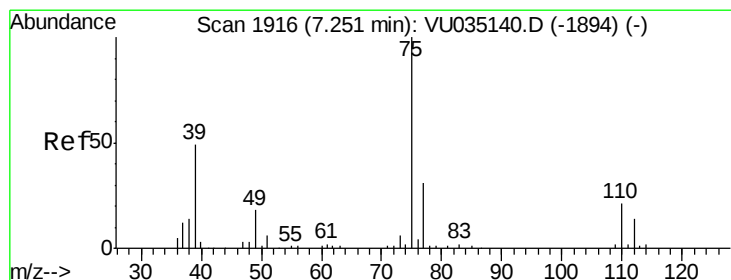
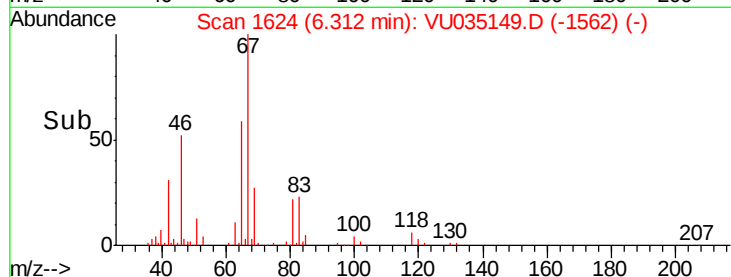
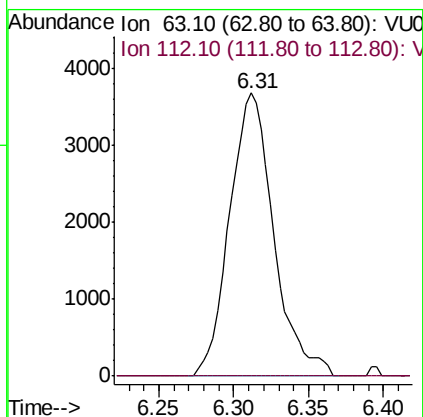
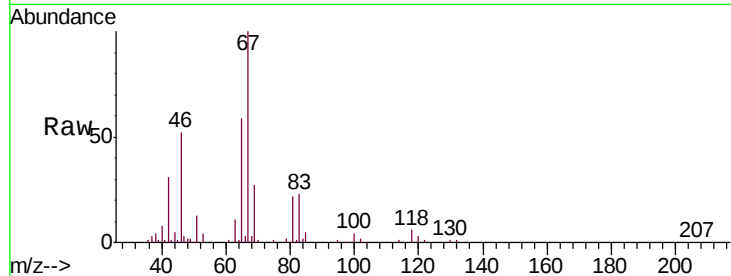




#37
 1,2-Dichloropropane
 Concen: 0.552 ug/L
 RT: 6.31 min Scan# 1624
 Delta R.T. -0.10 min
 Lab File: VU035149.D
 Acq: 14 Oct 2019 14:45

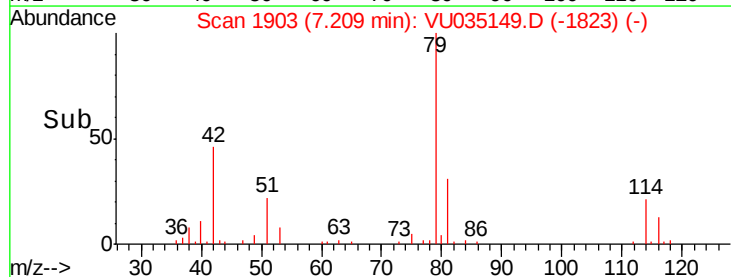
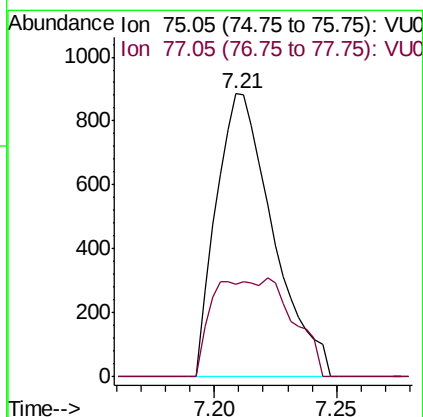
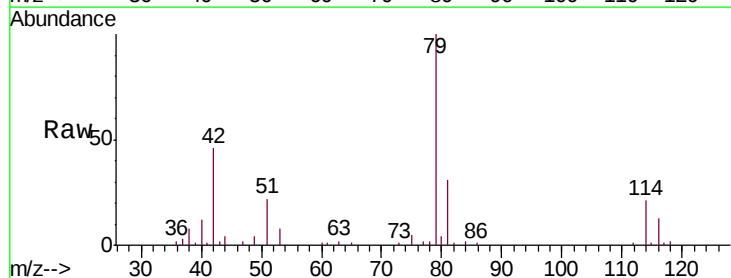
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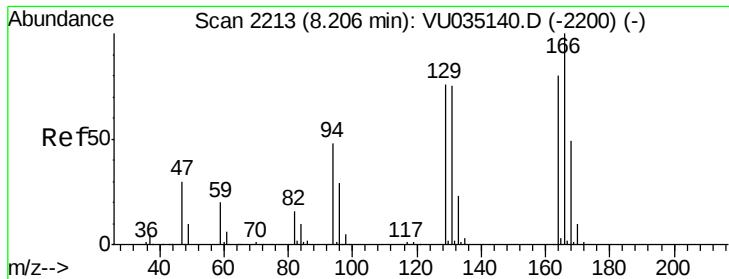
Tgt Ion: 63 Resp: 7565
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.1 4.7#



#39
 cis-1,3-Dichloropropene
 Concen: 0.077 ug/L
 RT: 7.21 min Scan# 1903
 Delta R.T. -0.04 min
 Lab File: VU035149.D
 Acq: 14 Oct 2019 14:45

Tgt Ion: 75 Resp: 1432
 Ion Ratio Lower Upper
 75 100
 77 32.7 22.1 41.1

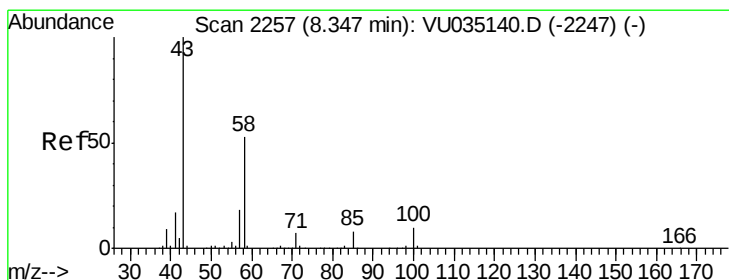
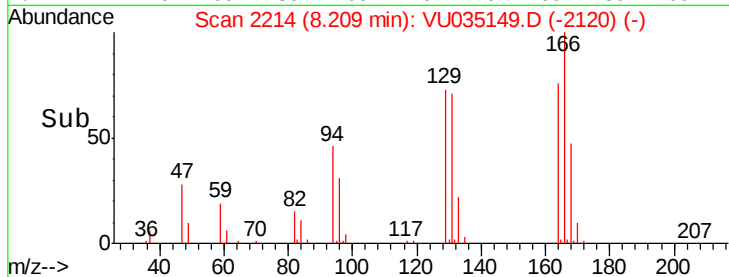
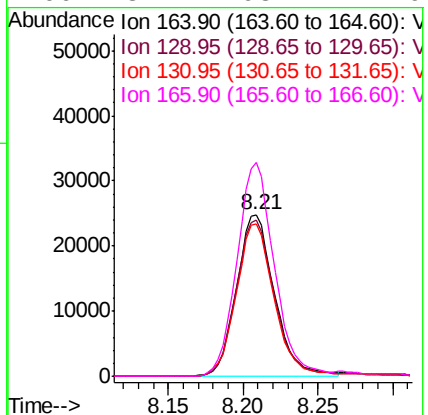
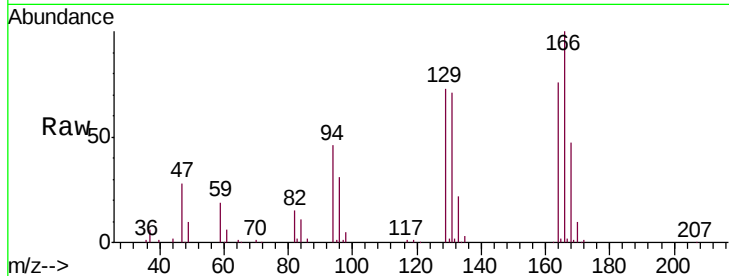




#47
Tetrachloroethene
Concen: 4.135 ug/L
RT: 8.21 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VU035149.D
Acq: 14 Oct 2019 14:45

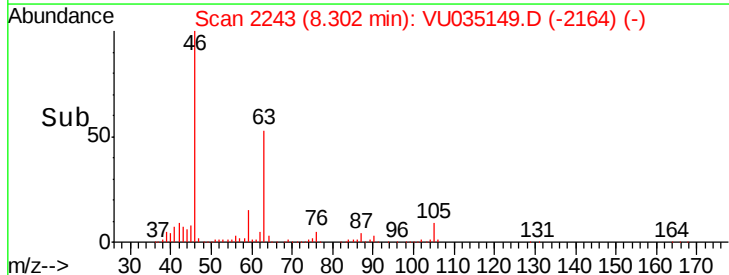
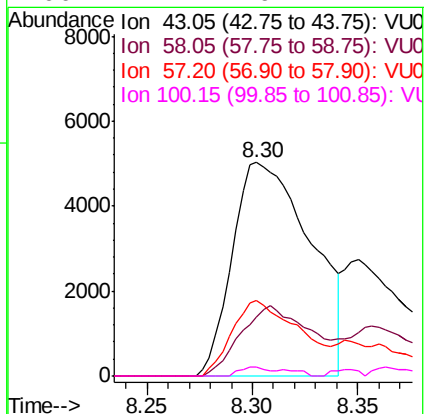
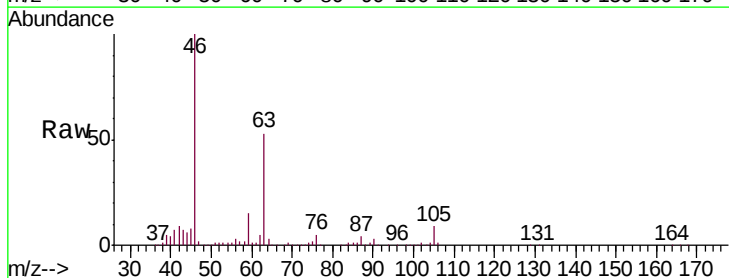
Instrument :
MSVOA_U
ClientSampleId :
P0002-STEEL-191007-01MS

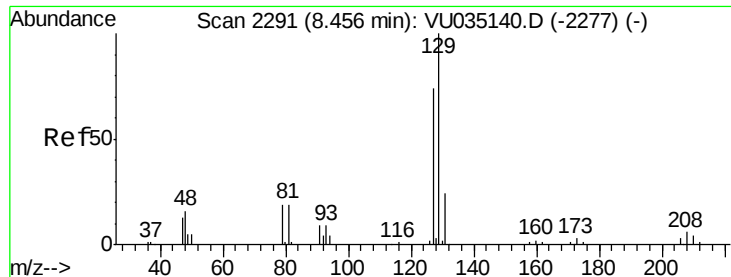
Tgt Ion:	164	Resp:	43892
Ion	Ratio	Lower	Upper
164	100		
129	96.6	68.5	127.1
131	94.6	67.3	124.9
166	132.4	93.1	172.9



#48
2-Hexanone
Concen: 2.200 ug/L
RT: 8.30 min Scan# 2243
Delta R.T. -0.05 min
Lab File: VU035149.D
Acq: 14 Oct 2019 14:45

Tgt Ion:	43	Resp:	13024
Ion	Ratio	Lower	Upper
43	100		
58	29.0	44.1	66.1#
57	30.8	15.8	23.8#
100	1.7	9.4	14.2#





#49

Dibromochloromethane

Concen: 4.070 ug/L

RT: 8.21 min Scan# 2214

Delta R.T. -0.25 min

Lab File: VU035149.D

Acq: 14 Oct 2019 14:45

Instrument :

MSVOA_U

ClientSampleId :

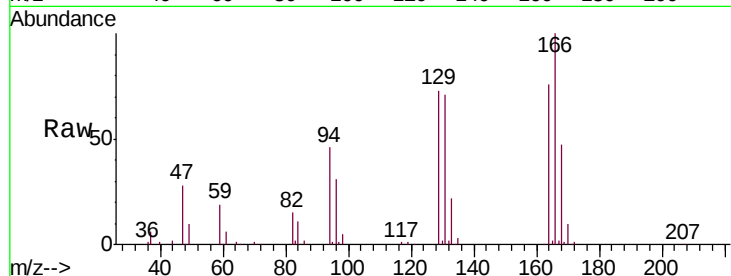
P0002-STEEL-191007-01MS

Tgt Ion:129 Resp: 42842

Ion Ratio Lower Upper

129 100

127 0.0 51.9 96.5#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

8.21

25000

20000

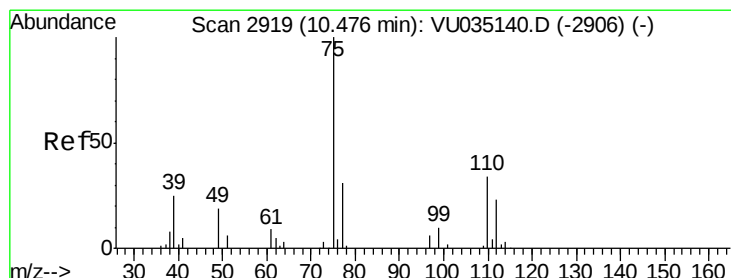
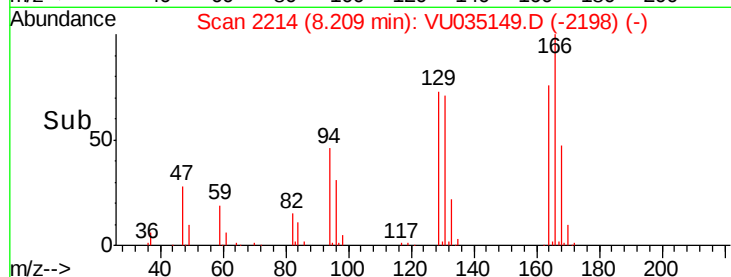
15000

10000

5000

0

Time--> 8.15 8.20 8.25 8.30



#59

1,2,3-Trichloropropane

Concen: 0.911 ug/L

RT: 11.47 min Scan# 3228

Delta R.T. 0.99 min

Lab File: VU035149.D

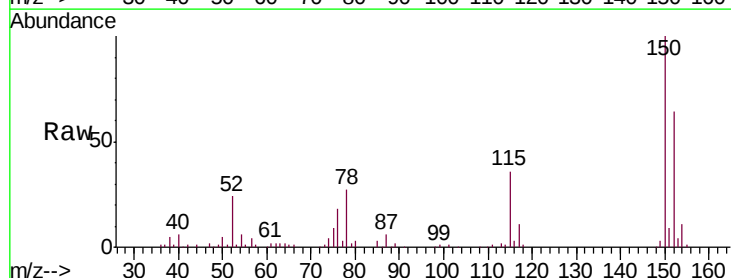
Acq: 14 Oct 2019 14:45

Tgt Ion: 75 Resp: 8092

Ion Ratio Lower Upper

75 100

77 39.1 26.5 39.7



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

11.47

4000

3000

2000

1000

0

Time--> 11.40 11.45 11.50 11.55

