

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U101219\
 Data File : VU035133.D
 Acq On : 12 Oct 2019 09:45
 Operator : JC/SP
 Sample : K5310-18
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 60 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 14 01:21:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100719WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Oct 14 01:16:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	179487	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	180556	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	73442	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	69746	6.57	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	131.40%#
7) Chloroethane-d5	1.68	69	51531	5.20	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	104.00%
11) 1,1-Dichloroethene-d2	2.26	63	84871	3.79	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	75.80%
20) 2-Butanone-d5	4.17	46	172163	55.10	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	110.20%
24) Chloroform-d	4.62	84	98522	4.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.40%
26) 1,2-Dichloroethane-d4	5.29	65	57335	4.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.60%
32) Benzene-d6	5.32	84	203960	4.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.40%
36) 1,2-Dichloropropane-d6	6.31	67	70935	5.01	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.20%
41) Toluene-d8	7.55	98	179791	4.39	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.80%
43) trans-1,3-Dichloropropene-	7.83	79	19729	3.88	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	77.60%
46) 2-Hexanone-d5	8.30	63	119859	49.48	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.96%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	58141	4.88	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.60%
64) 1,2-Dichlorobenzene-d4	11.84	152	62853	5.07	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.40%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.40	62	1871421	105.881	ug/L	99
12) 1,1-Dichloroethene	2.27	96	8764	0.760	ug/L #	1
13) Acetone	2.31	43	6044	2.362	ug/L	94
18) trans-1,2-Dichloroethene	2.96	96	65606	5.315	ug/L	94
22) cis-1,2-Dichloroethene	4.20	96	4433882	321.989	ug/L	86
25) Chloroform	4.65	83	10080	0.366	ug/L	99
34) Trichloroethene	6.16	95	648017	46.201	ug/L	99
35) Methylcyclohexane	6.31	83	15435	0.679	ug/L #	18
37) 1,2-Dichloropropane	6.31	63	7776	0.530	ug/L #	88
45) 1,1,2-Trichloroethane	8.21	97	37046	3.803	ug/L #	1
47) Tetrachloroethene	8.21	164	4045019	356.273	ug/L	97
48) 2-Hexanone	8.30	43	14731	2.327	ug/L #	69
49) Dibromochloromethane	8.21	129	3993106	354.650	ug/L #	12
59) 1,2,3-Trichloropropane	11.47	75	10579	1.114	ug/L	100
62) 1,3-Dichlorobenzene	11.41	146	2977	0.132	ug/L	90
63) 1,4-Dichlorobenzene	11.49	146	3805	0.167	ug/L	90

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Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Oct 14 01:16:14 2019
Response via : Initial Calibration

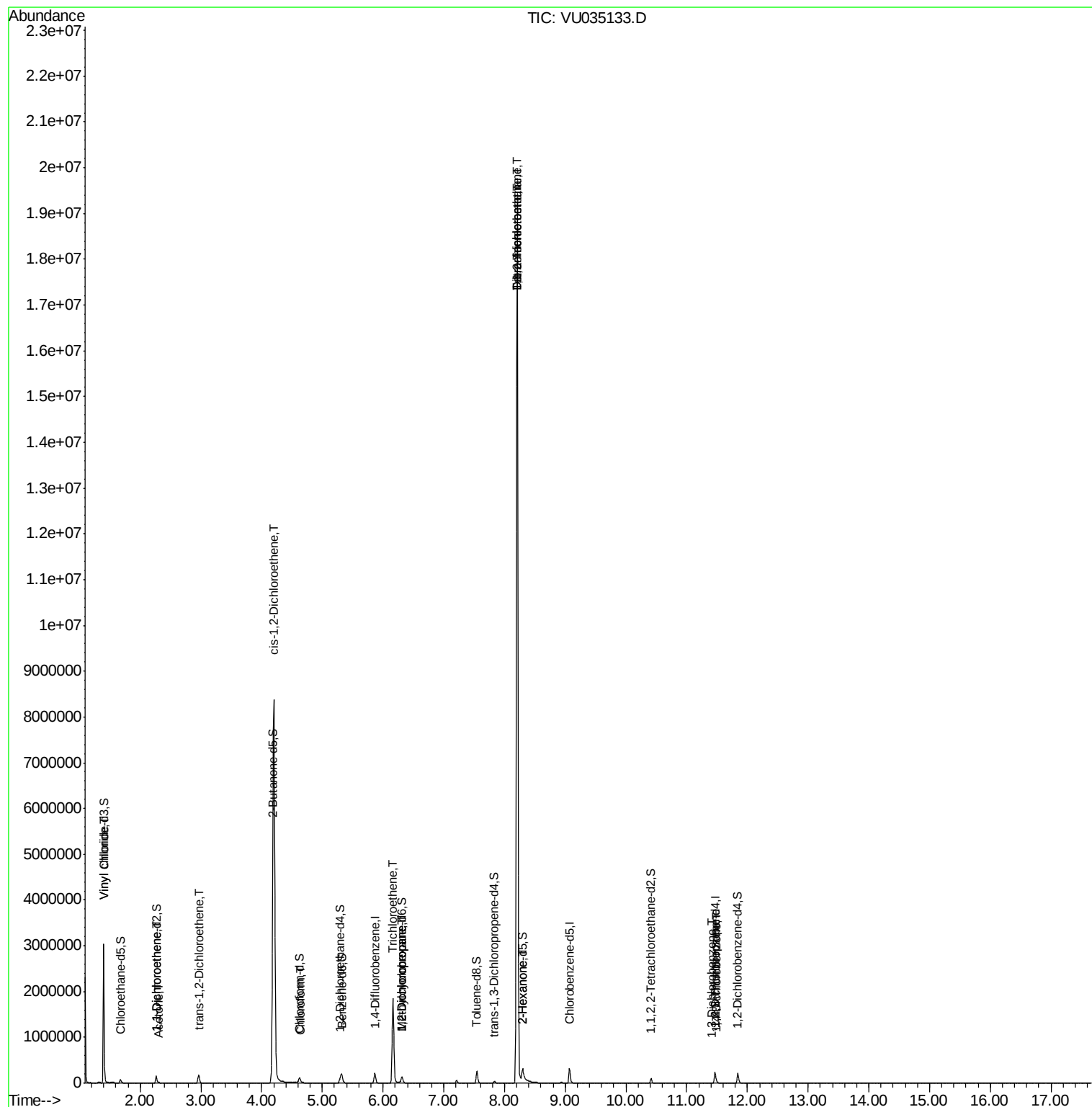
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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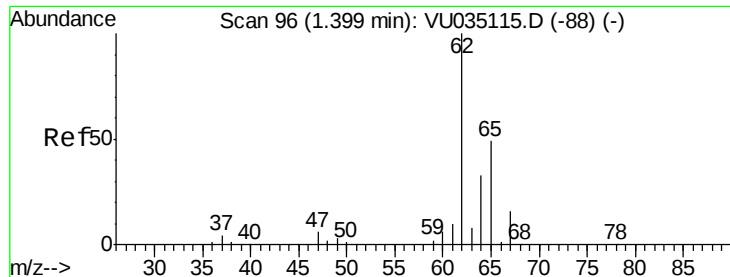
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 105.881 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU035133.D

Acq: 12 Oct 2019 09:45

Instrument :

MSVOA_U

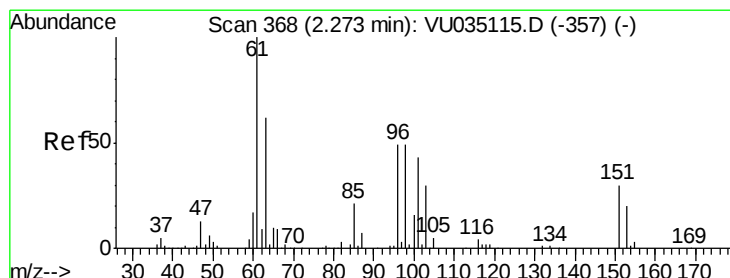
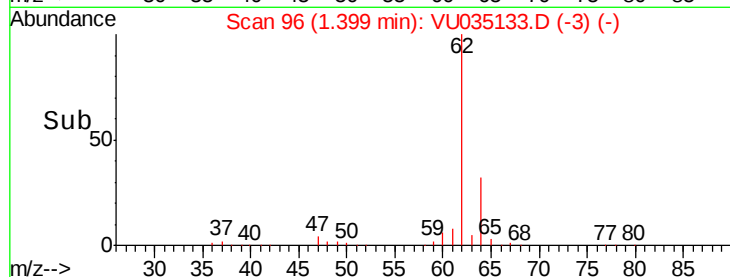
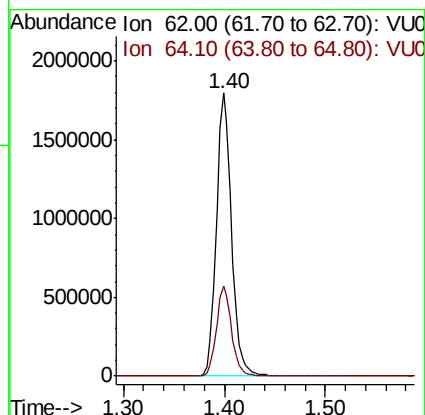
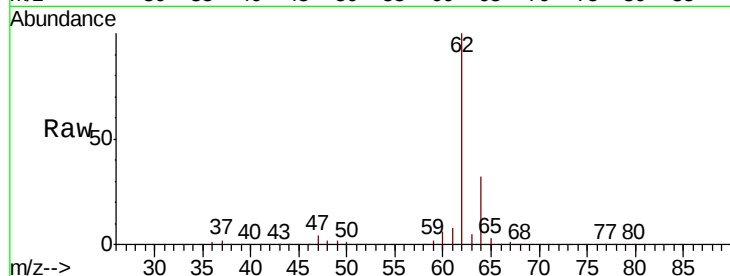
ClientSampleId :

Tot Ion: 62 Resp: 1871421

Ion Ratio Lower Upper

62 100

64 31.9 22.8 42.4



#12

1,1-Dichloroethene

Concen: 0.760 ug/L

RT: 2.27 min Scan# 368

Delta R.T. 0.00 min

Lab File: VU035133.D

Acq: 12 Oct 2019 09:45

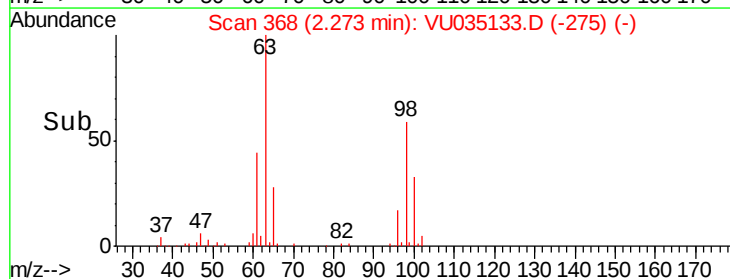
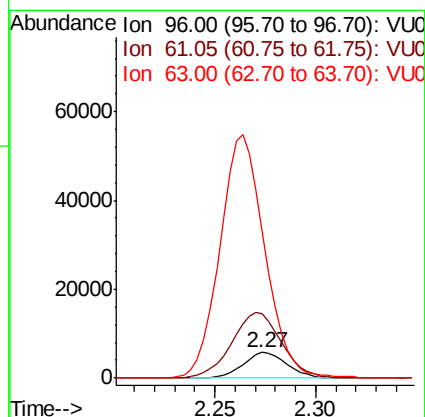
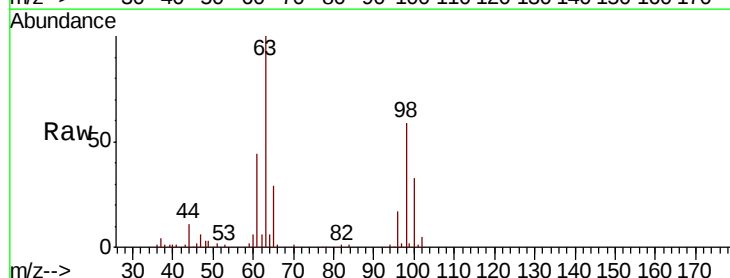
Tgt Ion: 96 Resp: 8764

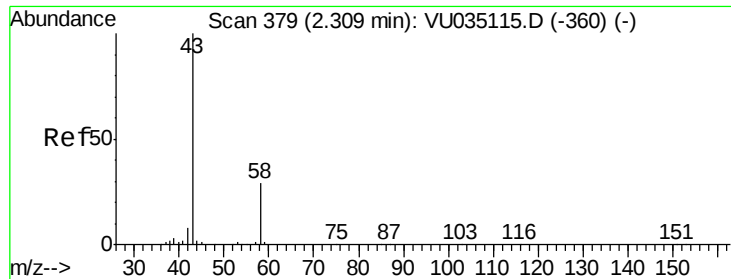
Ion Ratio Lower Upper

96 100

61 252.5 129.3 240.1#

63 575.0 108.9 202.3#





#13

Acetone

Concen: 2.362 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VU035133.D

Acq: 12 Oct 2019 09:45

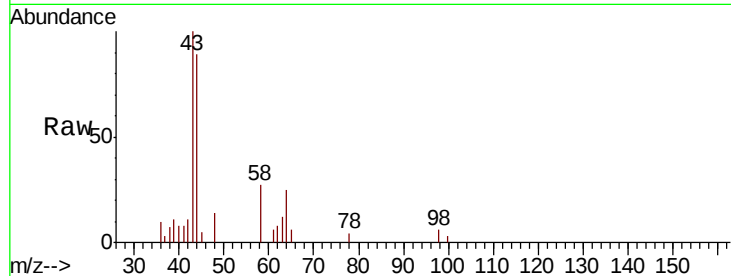
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 6044

Ion Ratio Lower Upper

43 100

58 29.7 0.0 66.6



Abundance Ion 43.05 (42.75 to 43.75): VU035115.D (-360) (-)

Ion 58.05 (57.75 to 58.75): VU035115.D (-360) (-)

2.31

4000

3000

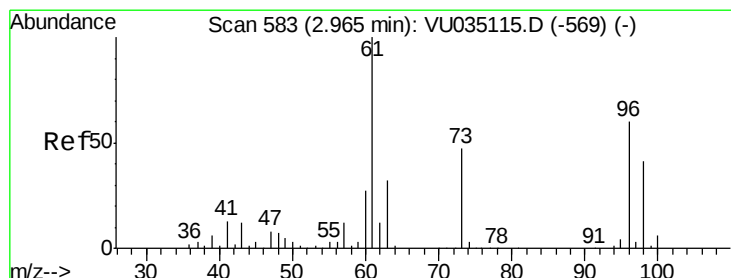
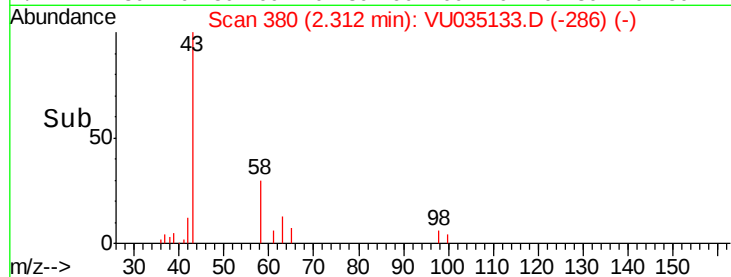
2000

1000

0

Time-->

2.25 2.30 2.35



#18

trans-1,2-Dichloroethene

Concen: 5.315 ug/L

RT: 2.96 min Scan# 583

Delta R.T. 0.00 min

Lab File: VU035133.D

Acq: 12 Oct 2019 09:45

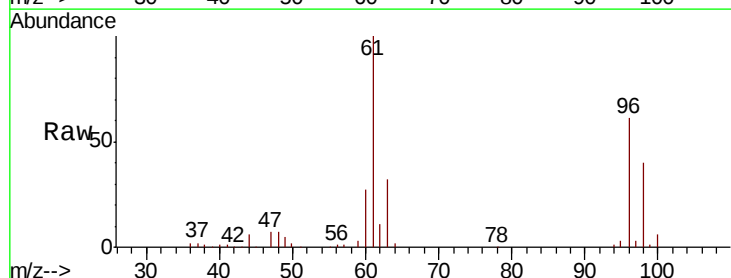
Tgt Ion: 96 Resp: 65606

Ion Ratio Lower Upper

96 100

61 164.1 107.1 198.9

98 65.5 45.4 84.4



Abundance Ion 96.00 (95.70 to 96.70): VU035115.D (-569) (-)

Ion 61.05 (60.75 to 61.75): VU035115.D (-569) (-)

Ion 97.95 (97.65 to 98.65): VU035115.D (-569) (-)

80000

60000

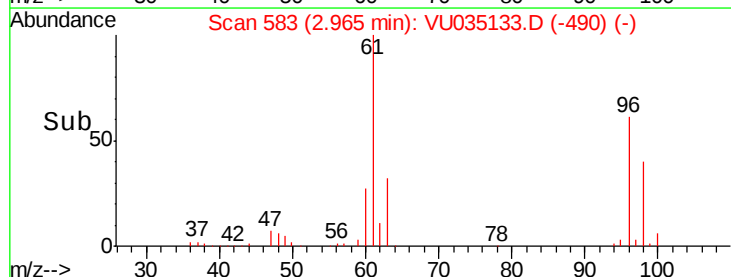
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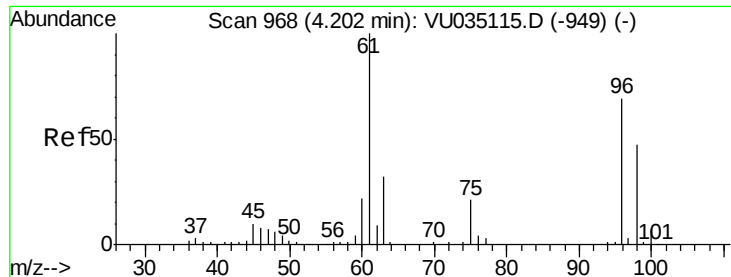
20000

0

Time-->

2.90 2.95 3.00 3.05



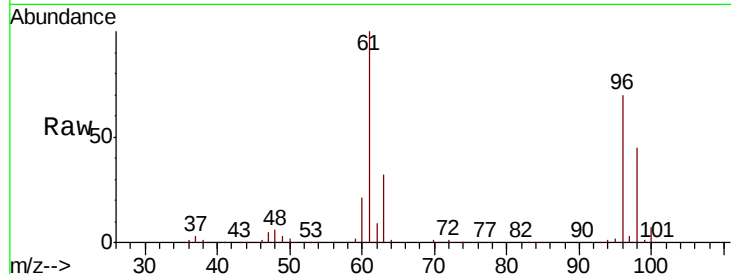


#22

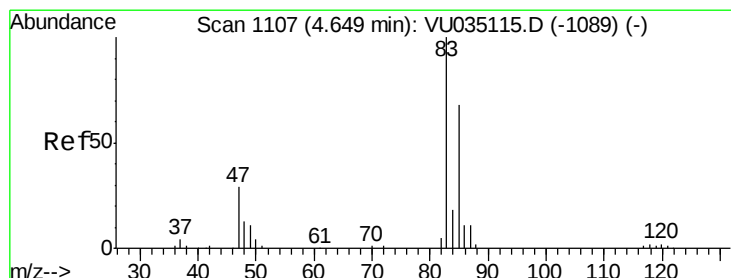
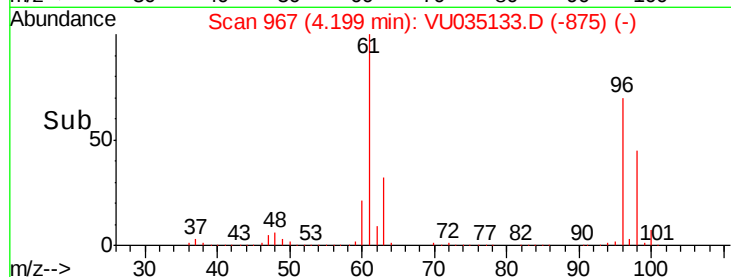
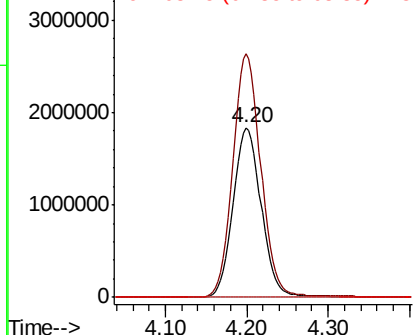
cis-1,2-Dichloroethene
 Concen: 321.989 ug/L
 RT: 4.20 min Scan# 967
 Delta R.T. -0.00 min
 Lab File: VU035133.D
 Acq: 12 Oct 2019 09:45

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 96 Resp: 4433882
 Ion Ratio Lower Upper
 96 100
 61 143.6 89.2 165.6
 68 0.0 0.0 0.0



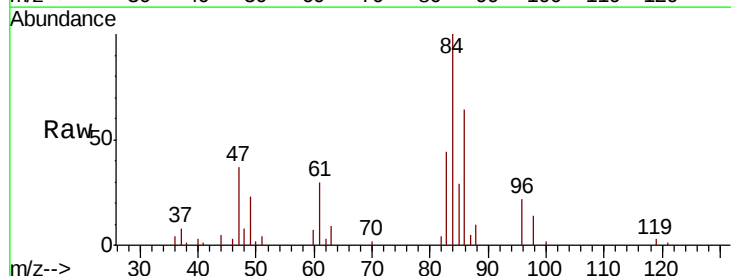
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0



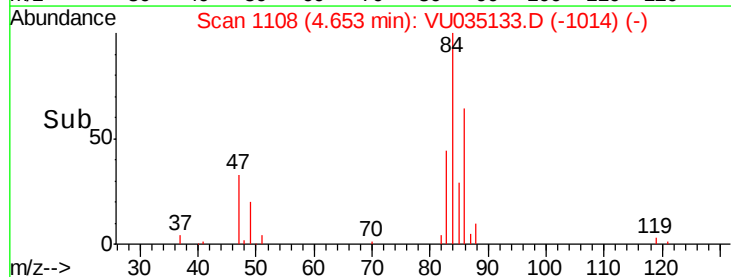
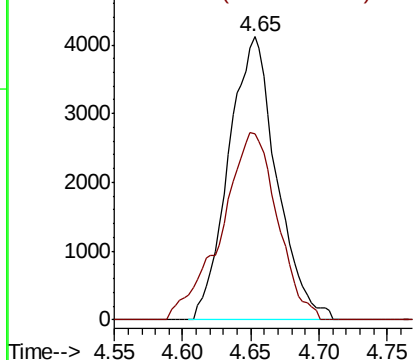
#25

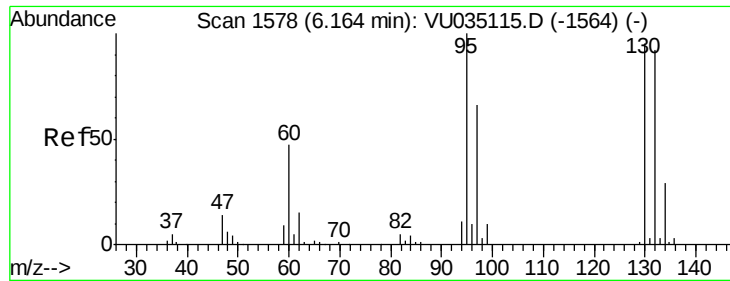
Chloroform
 Concen: 0.366 ug/L
 RT: 4.65 min Scan# 1108
 Delta R.T. 0.00 min
 Lab File: VU035133.D
 Acq: 12 Oct 2019 09:45

Tgt Ion: 83 Resp: 10080
 Ion Ratio Lower Upper
 83 100
 85 65.9 45.4 84.4



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

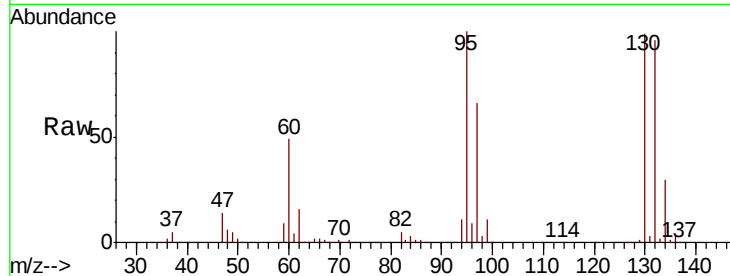




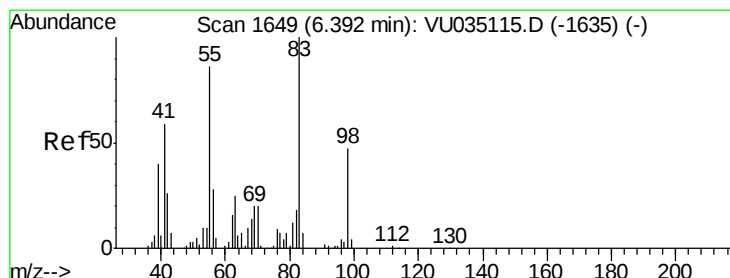
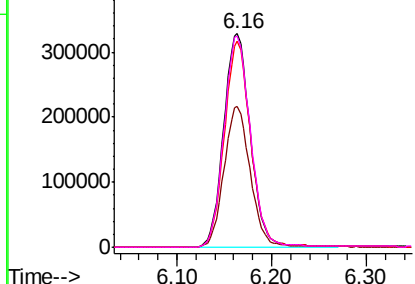
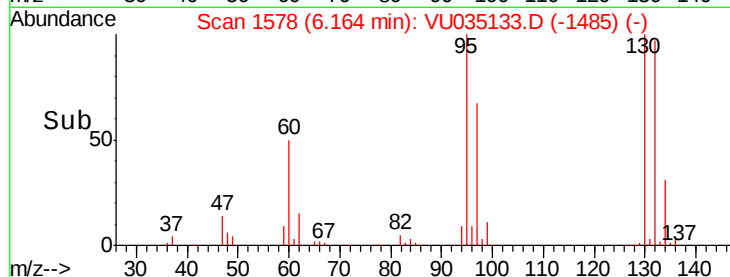
#34
 Trichloroethene
 Concen: 46.201 ug/L
 RT: 6.16 min Scan# 1578
 Delta R.T. 0.00 min
 Lab File: VU035133.D
 Acq: 12 Oct 2019 09:45

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
95	100		
97	66.1	44.5	82.7
132	96.4	66.6	123.8
130	98.9	68.9	127.9

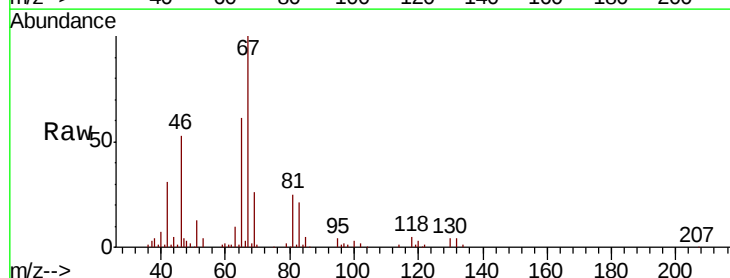


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

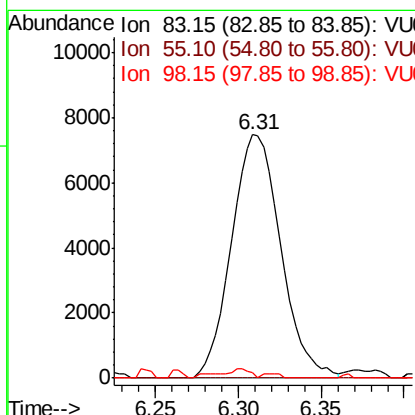
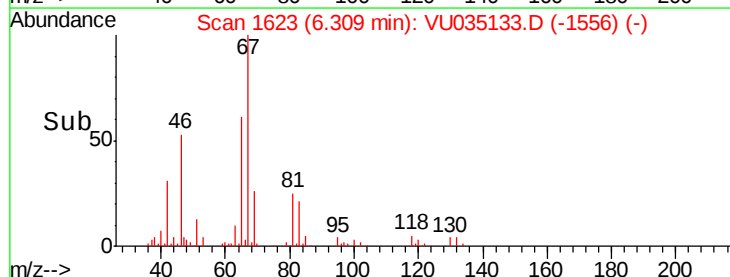


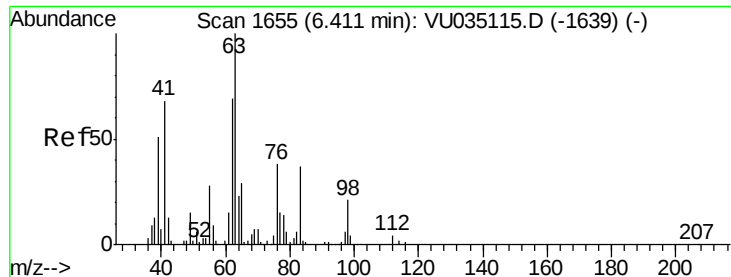
#35
 Methylcyclohexane
 Concen: 0.679 ug/L
 RT: 6.31 min Scan# 1623
 Delta R.T. -0.08 min
 Lab File: VU035133.D
 Acq: 12 Oct 2019 09:45

Tgt Ion	Ratio	Lower	Upper
83	100		
55	0.0	62.6	94.0#
98	0.0	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: 0.530 ug/L

RT: 6.31 min Scan# 1624

Delta R.T. -0.10 min

Lab File: VU035133.D

Acq: 12 Oct 2019 09:45

Instrument :

MSVOA_U

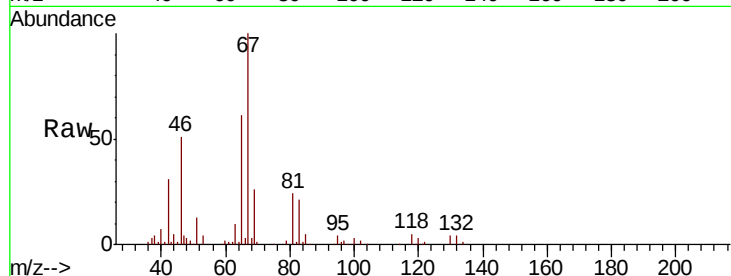
ClientSampleId :

Tot Ion: 63 Resp: 7776

Ion Ratio Lower Upper

63 100

112 0.0 3.1 4.7#



Abundance Ion 63.10 (62.80 to 63.80): VU035115.D (-1639) (-)

Ion 112.10 (111.80 to 112.80): VU035115.D (-1639) (-)

6.31

4000

3000

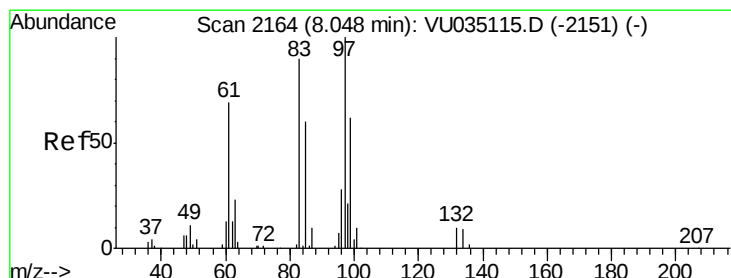
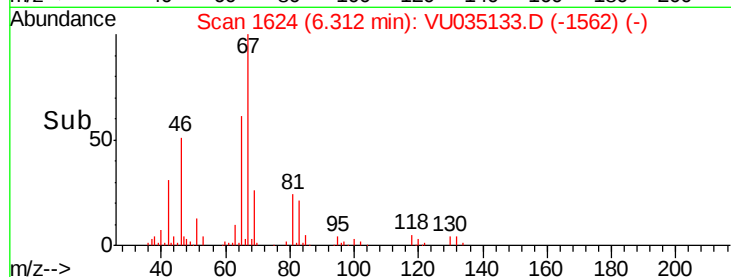
2000

1000

0

6.25 6.30 6.35 6.40

Time-->



#45

1,1,2-Trichloroethane

Concen: 3.803 ug/L

RT: 8.21 min Scan# 2214

Delta R.T. 0.16 min

Lab File: VU035133.D

Acq: 12 Oct 2019 09:45

Tgt Ion: 97 Resp: 37046

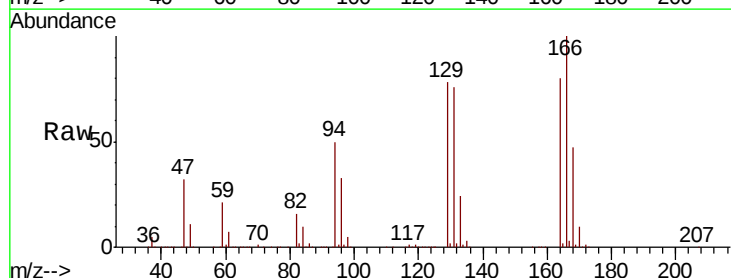
Ion Ratio Lower Upper

97 100

99 16.1 42.3 78.5#

83 279.9 58.0 107.6#

85 40.7 37.8 70.2



Abundance Ion 96.95 (96.65 to 97.65): VU035115.D (-2151) (-)

Ion 99.05 (98.75 to 99.75): VU035115.D (-2151) (-)

Ion 82.95 (82.65 to 83.65): VU035115.D (-2151) (-)

Ion 85.00 (84.70 to 85.70): VU035115.D (-2151) (-)

10000

80000

60000

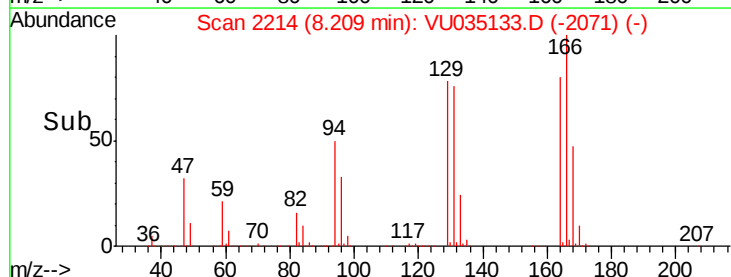
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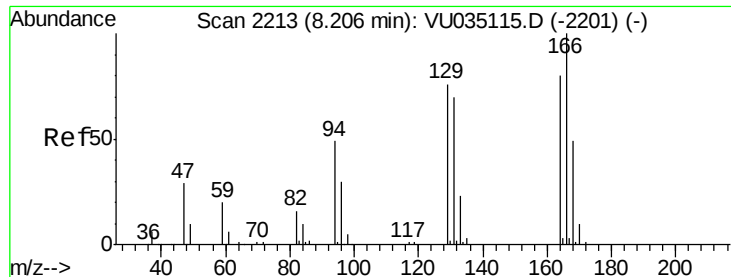
20000

0

8.15 8.20 8.25

Time-->

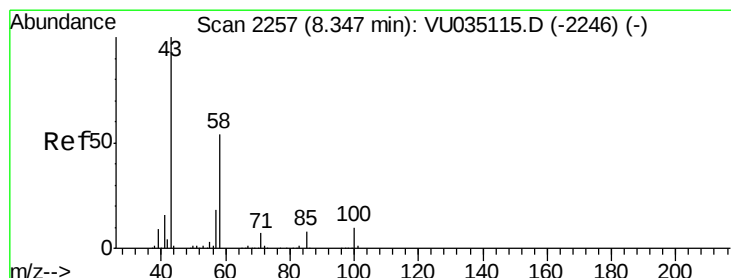
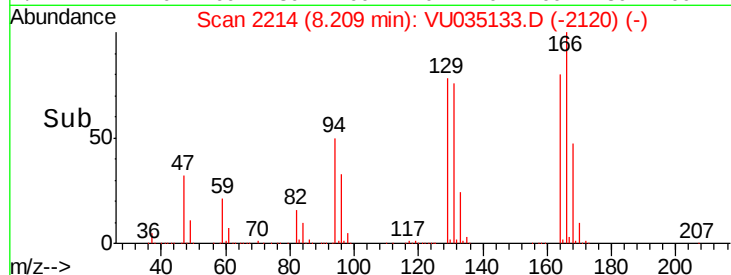
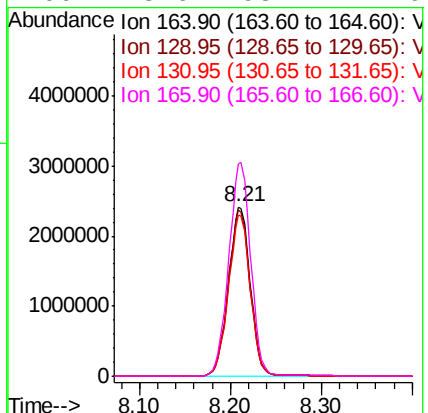
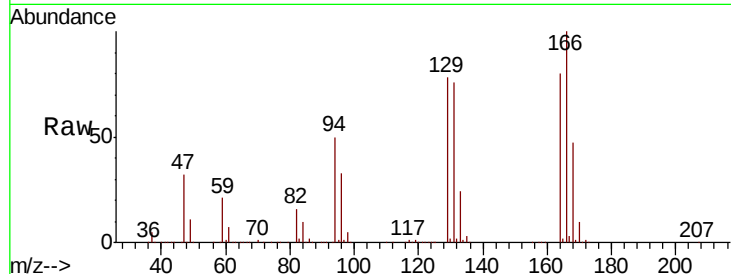




#47
Tetrachloroethene
Concen: 356.273 ug/L
RT: 8.21 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VU035133.D
Acq: 12 Oct 2019 09:45

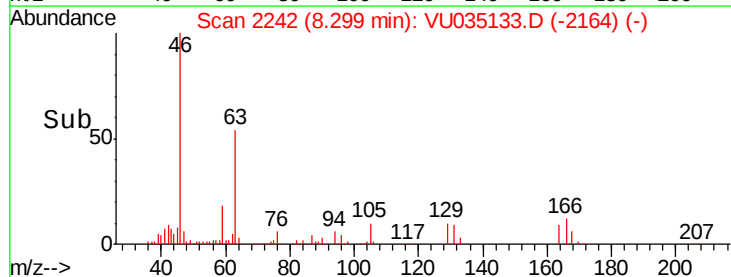
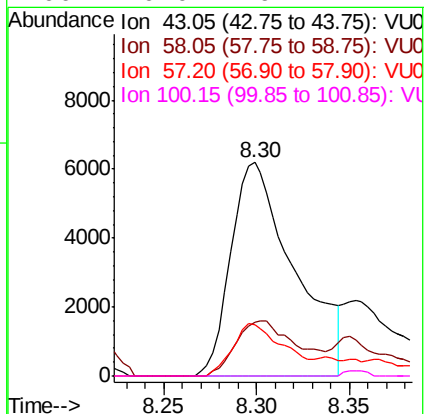
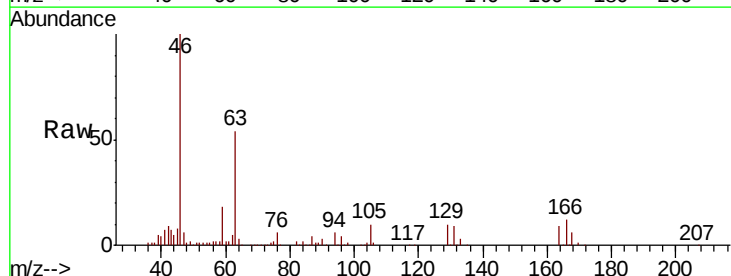
Instrument :
MSVOA_U
ClientSampled :

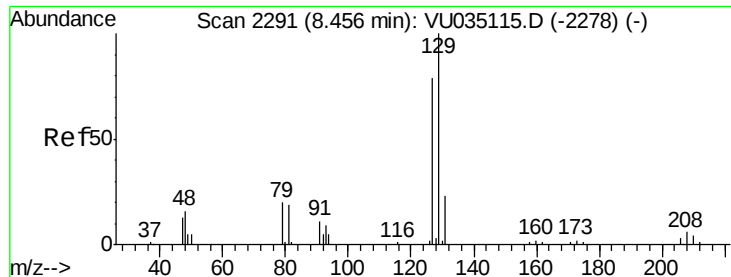
Tot Ion:164 Resp: 4045019
Ion Ratio Lower Upper
164 100
129 98.5 68.5 127.1
131 95.4 67.3 124.9
166 125.6 93.1 172.9



#48
2-Hexanone
Concen: 2.327 ug/L
RT: 8.30 min Scan# 2242
Delta R.T. -0.05 min
Lab File: VU035133.D
Acq: 12 Oct 2019 09:45

Tgt Ion: 43 Resp: 14731
Ion Ratio Lower Upper
43 100
58 25.3 44.1 66.1#
57 20.2 15.8 23.8
100 0.0 9.4 14.2#





#49

Dibromochloromethane

Concen: 354.650 ug/L

RT: 8.21 min Scan# 2214

Delta R.T. -0.25 min

Lab File: VU035133.D

Acq: 12 Oct 2019 09:45

Instrument :

MSVOA_U

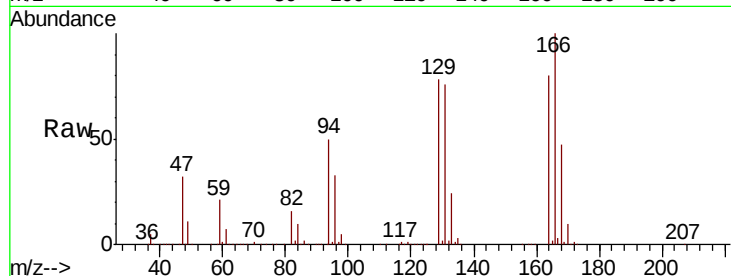
ClientSampleId :

Tot Ion:129 Resp: 3993106

Ion Ratio Lower Upper

129 100

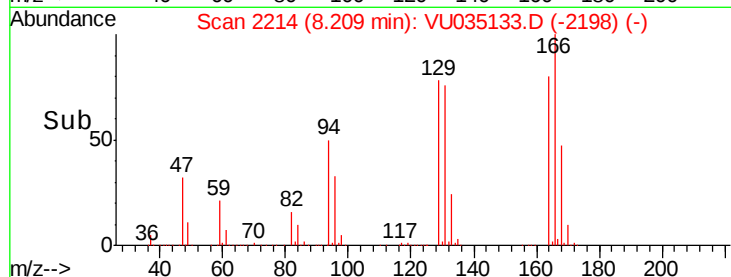
127 0.0 51.9 96.5#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

8.21



Abundance

2500000

2000000

1500000

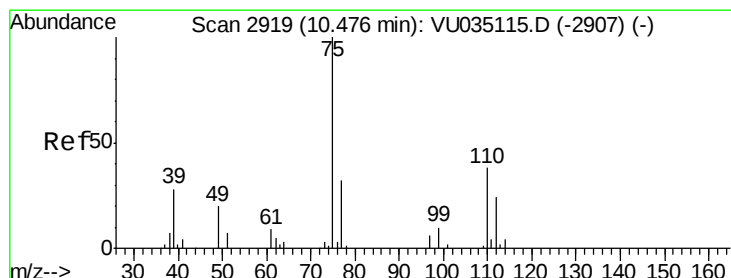
1000000

500000

0

8.10 8.20 8.30 8.40 8.50

Time-->



#59

1,2,3-Trichloropropane

Concen: 1.114 ug/L

RT: 11.47 min Scan# 3227

Delta R.T. 0.99 min

Lab File: VU035133.D

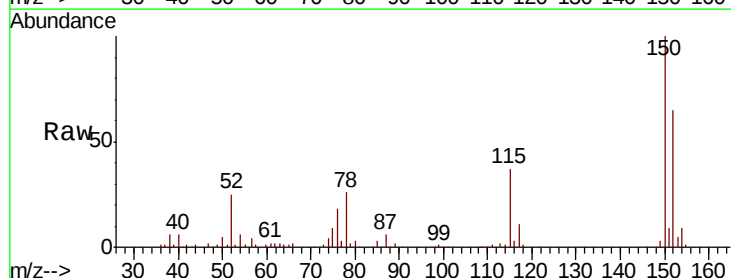
Acq: 12 Oct 2019 09:45

Tgt Ion: 75 Resp: 10579

Ion Ratio Lower Upper

75 100

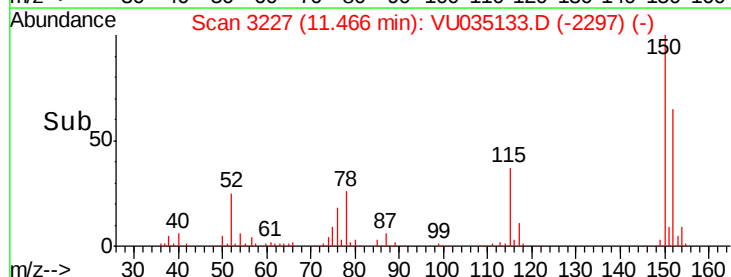
77 33.1 26.5 39.7



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

11.47



Abundance

6000

5000

4000

3000

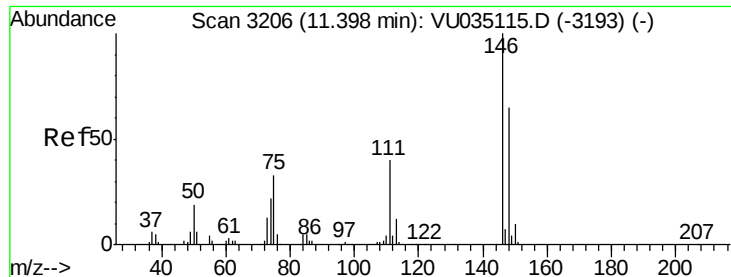
2000

1000

0

11.40 11.45 11.50 11.55

Time-->



#62

1,3-Dichlorobenzene

Concen: 0.132 ug/L

RT: 11.41 min Scan# 3209

Delta R.T. 0.01 min

Lab File: VU035133.D

Acq: 12 Oct 2019 09:45

Instrument :

MSVOA_U

ClientSampleId :

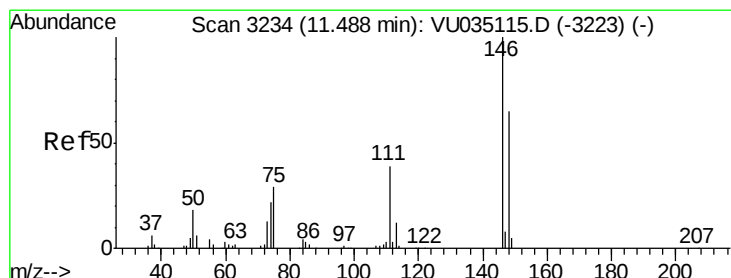
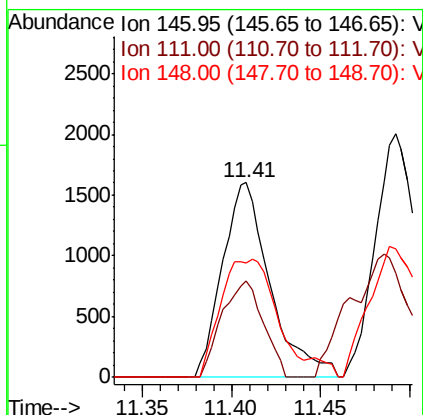
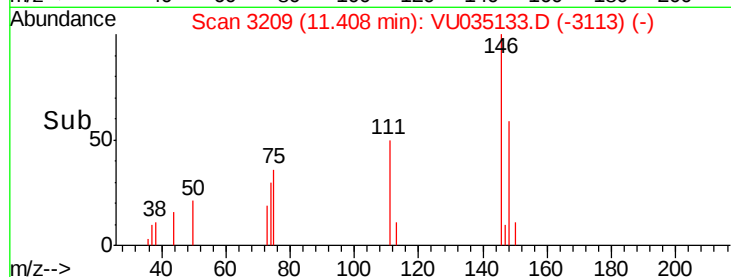
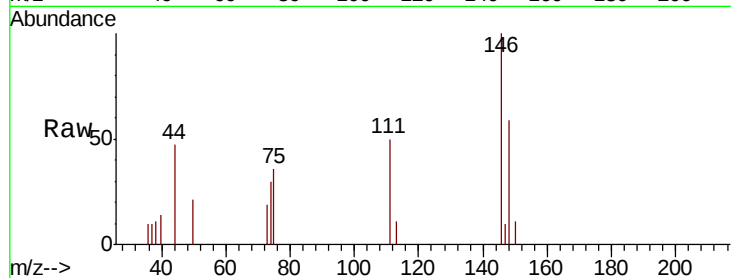
Tot Ion:146 Resp: 2977

Ion Ratio Lower Upper

146 100

111 49.5 28.6 53.2

148 58.8 45.0 83.6



#63

1,4-Dichlorobenzene

Concen: 0.167 ug/L

RT: 11.49 min Scan# 3235

Delta R.T. 0.00 min

Lab File: VU035133.D

Acq: 12 Oct 2019 09:45

Tgt Ion:146 Resp: 3805

Ion Ratio Lower Upper

146 100

111 42.6 27.9 51.7

148 52.8 44.1 81.9

