

Data File : VU035158.D
Acq On : 14 Oct 2019 18:34
Operator : JC/SP
Sample : K5309-18DL 4X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
RD-9-001-01DL

Quant Time: Oct 15 07:58:15 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	166671	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	171941	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	62340	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	47443	4.82	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	96.40%
7) Chloroethane-d5	1.68	69	45367	4.93	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.60%
11) 1,1-Dichloroethene-d2	2.26	63	67572	3.25	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.00%
20) 2-Butanone-d5	4.17	46	141957	48.93	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.86%
24) Chloroform-d	4.62	84	87240	4.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.80%
26) 1,2-Dichloroethane-d4	5.29	65	51832	4.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.00%
32) Benzene-d6	5.32	84	177608	4.41	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.20%
36) 1,2-Dichloropropane-d6	6.31	67	64869	4.81	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.20%
41) Toluene-d8	7.55	98	148787	3.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	76.40%
43) trans-1,3-Dichloropropene-	7.84	79	18909	3.90	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	78.00%
46) 2-Hexanone-d5	8.30	63	99321	43.05	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	86.10%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	55077	4.85	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.00%
64) 1,2-Dichlorobenzene-d4	11.85	152	51150	4.86	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.20%

Target Compounds

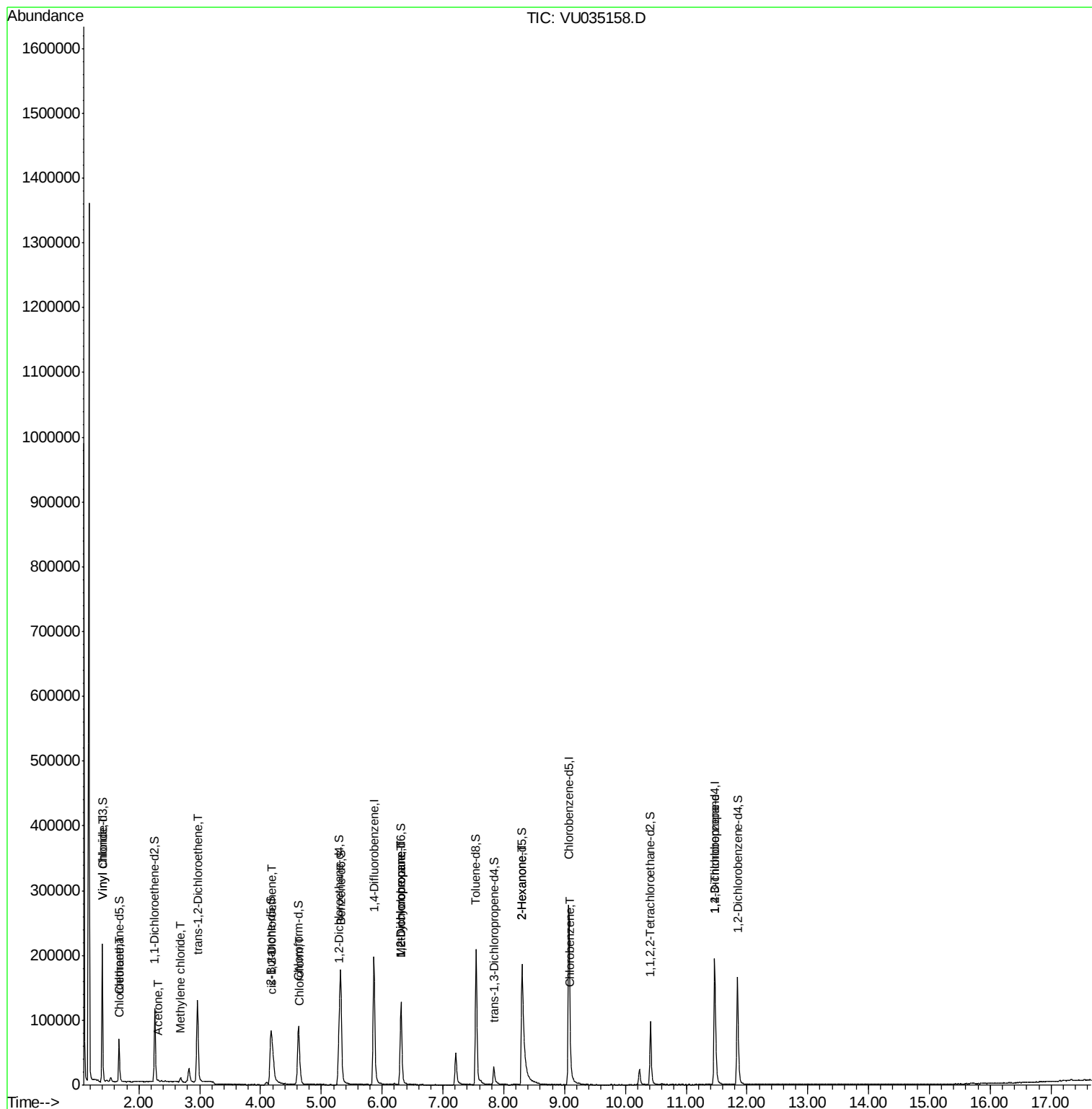
					Qvalue
5) Vinyl chloride	1.40	62	96693	5.891	ug/L 98
8) Chloroethane	1.69	64	946	0.096	ug/L 93
13) Acetone	2.31	43	2742	1.154	ug/L 96
16) Methylene chloride	2.68	84	2231	0.168	ug/L 89
18) trans-1,2-Dichloroethene	2.96	96	46042	4.017	ug/L 92
22) cis-1,2-Dichloroethene	4.20	96	14021	1.096	ug/L 92
25) Chloroform	4.65	83	9048	0.353	ug/L 94
35) Methylcyclohexane	6.31	83	13995	0.647	ug/L # 18
37) 1,2-Dichloropropane	6.31	63	6997	0.501	ug/L # 90
48) 2-Hexanone	8.30	43	10635	1.764	ug/L # 65
51) Chlorobenzene	9.10	112	7548	0.215	ug/L 100
59) 1,2,3-Trichloropropane	11.47	75	8409	0.930	ug/L 95

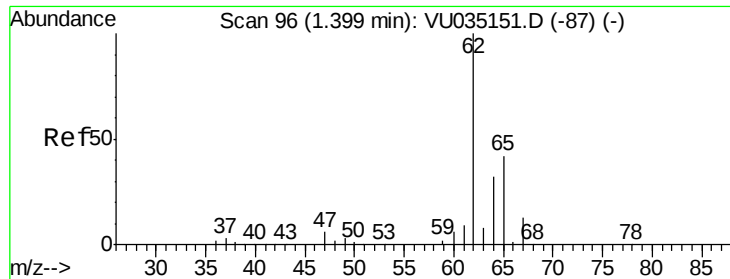
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 5.891 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

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Acq: 14 Oct 2019 18:34

Instrument :

MSVOA_U

ClientSampleId :

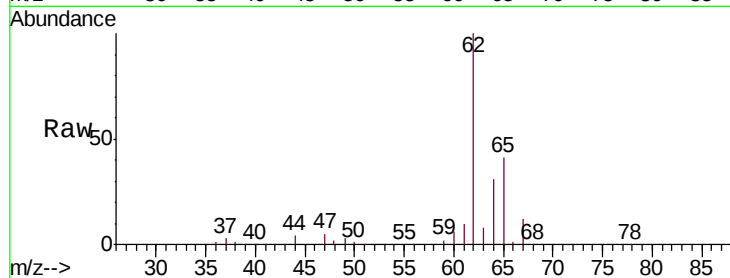
RD-9-001-01DL

Tgt Ion: 62 Resp: 96693

Ion Ratio Lower Upper

62 100

64 31.4 22.8 42.4



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0

100000

80000

60000

40000

20000

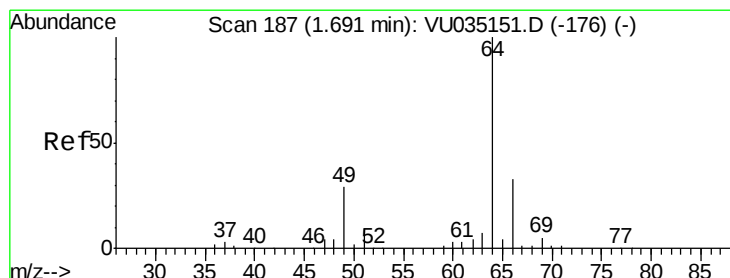
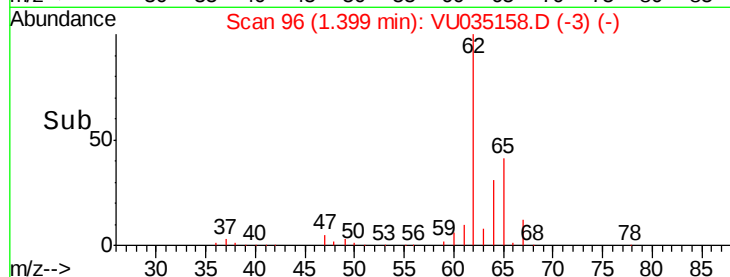
0

1.35

1.40

1.45

Time-->



#8

Chloroethane

Concen: 0.096 ug/L

RT: 1.69 min Scan# 188

Delta R.T. 0.00 min

Lab File: VU035158.D

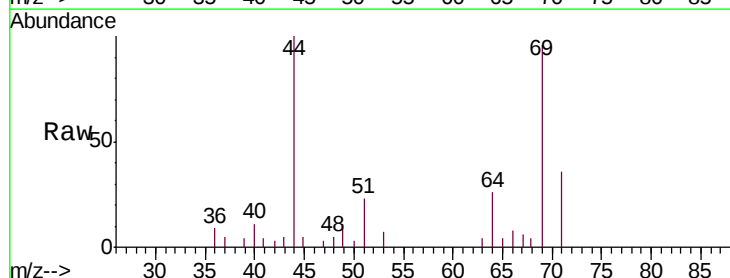
Acq: 14 Oct 2019 18:34

Tgt Ion: 64 Resp: 946

Ion Ratio Lower Upper

64 100

66 29.3 23.2 43.2



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0

1000

800

600

400

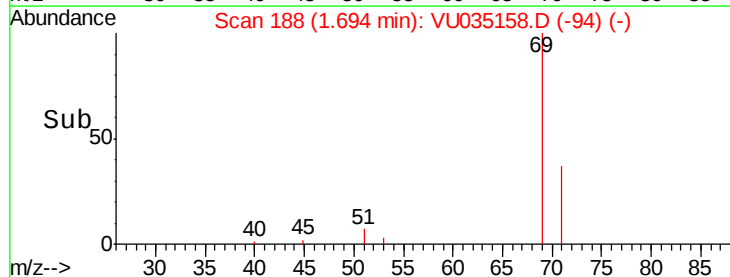
200

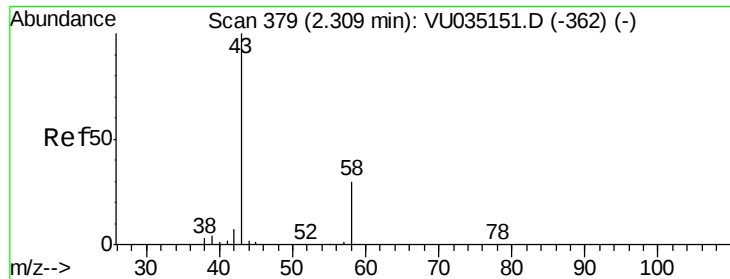
0

1.65

1.70

Time-->





#13

Acetone

Concen: 1.154 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VU035158.D

Acq: 14 Oct 2019 18:34

Instrument :

MSVOA_U

ClientSampleId :

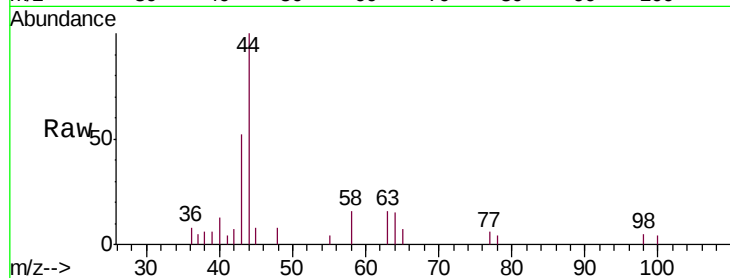
RD-9-001-01DL

Tgt Ion: 43 Resp: 2742

Ion Ratio Lower Upper

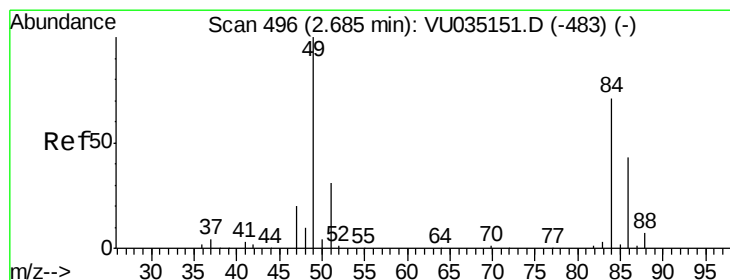
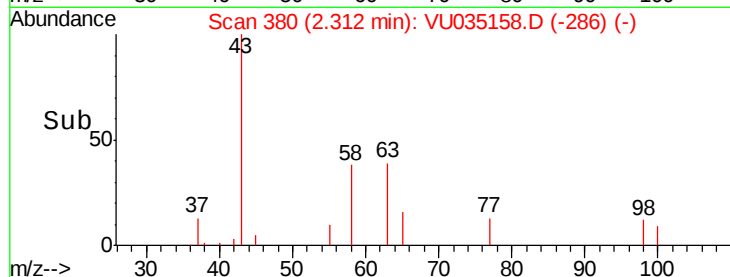
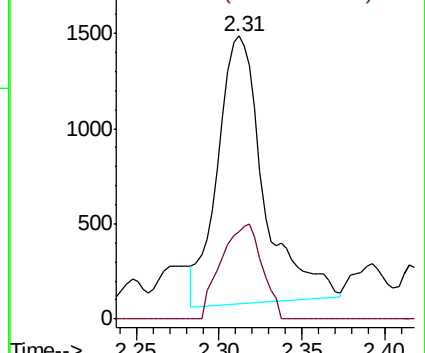
43 100

58 31.2 0.0 66.6



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0



#16

Methylene chloride

Concen: 0.168 ug/L

RT: 2.68 min Scan# 496

Delta R.T. 0.00 min

Lab File: VU035158.D

Acq: 14 Oct 2019 18:34

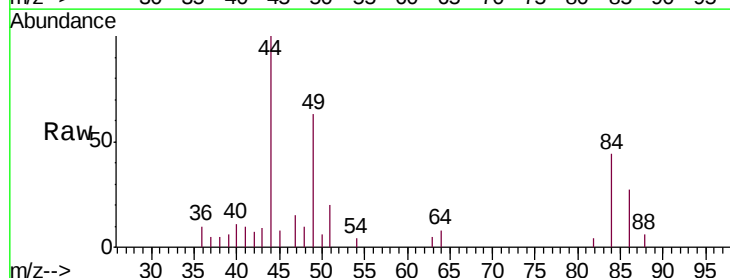
Tgt Ion: 84 Resp: 2231

Ion Ratio Lower Upper

84 100

86 61.1 42.5 78.9

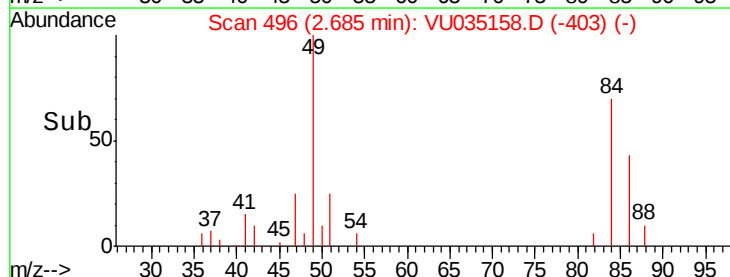
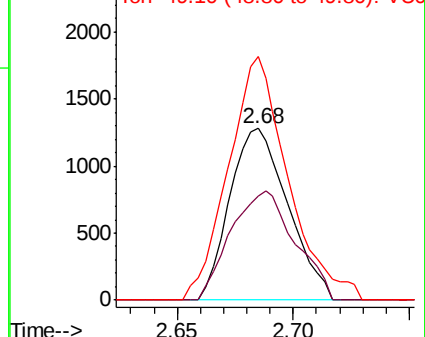
49 142.0 86.9 161.3

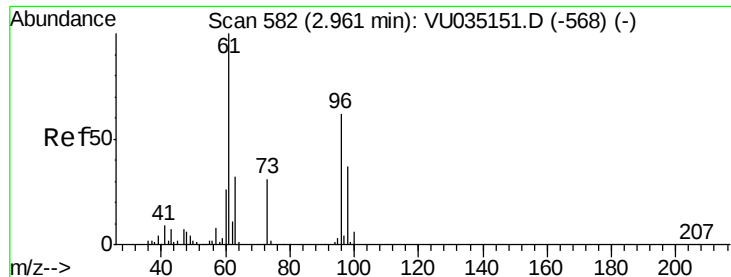


Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0





#18

trans-1,2-Dichloroethene

Concen: 4.017 ug/L

RT: 2.96 min Scan# 583

Delta R.T. 0.00 min

Lab File: VU035158.D

Acq: 14 Oct 2019 18:34

Instrument :

MSVOA_U

ClientSampleId :

RD-9-001-01DL

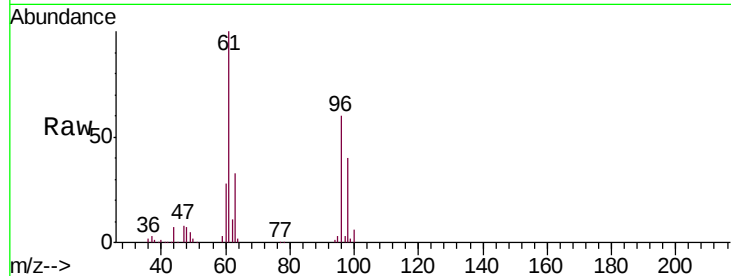
Tgt Ion: 96 Resp: 46042

Ion Ratio Lower Upper

96 100

61 166.4 107.1 198.9

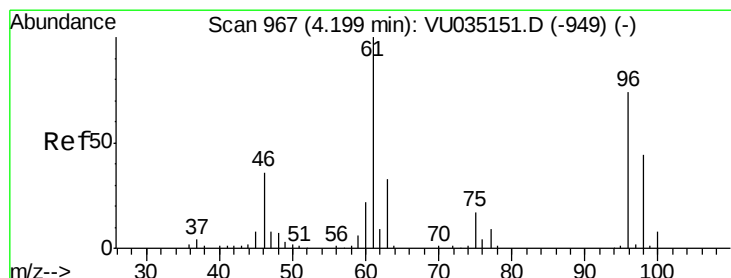
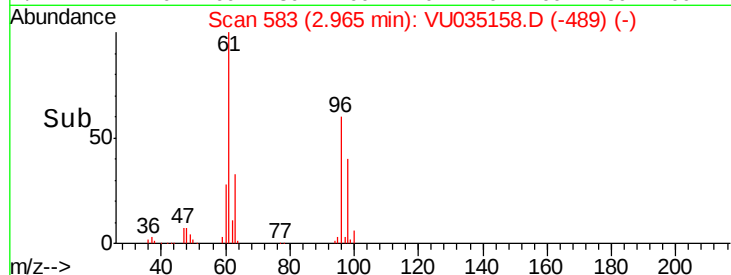
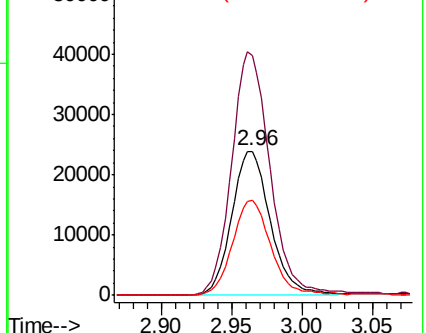
98 66.3 45.4 84.4



Abundance Ion 96.00 (95.70 to 96.70): VU035158.D (-489) (-)

Ion 61.05 (60.75 to 61.75): VU035158.D (-489) (-)

Ion 97.95 (97.65 to 98.65): VU035158.D (-489) (-)



#22

cis-1,2-Dichloroethene

Concen: 1.096 ug/L

RT: 4.20 min Scan# 967

Delta R.T. 0.00 min

Lab File: VU035158.D

Acq: 14 Oct 2019 18:34

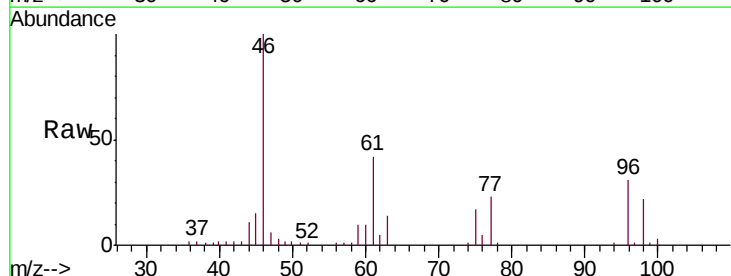
Tgt Ion: 96 Resp: 14021

Ion Ratio Lower Upper

96 100

61 137.1 89.2 165.6

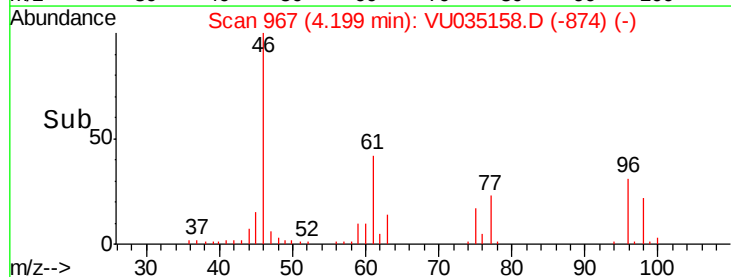
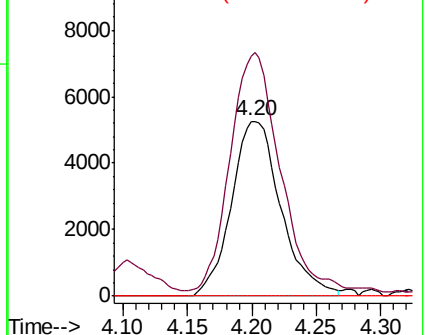
68 0.0 0.0 0.0

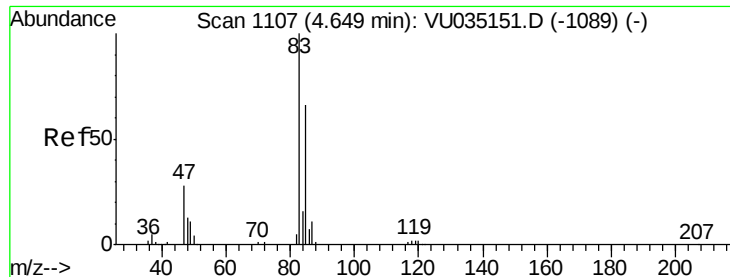


Abundance Ion 96.00 (95.70 to 96.70): VU035158.D (-874) (-)

Ion 61.05 (60.75 to 61.75): VU035158.D (-874) (-)

Ion 68.15 (67.85 to 68.85): VU035158.D (-874) (-)





#25

Chloroform

Concen: 0.353 ug/L

RT: 4.65 min Scan# 1108

Delta R.T. 0.00 min

Lab File: VU035158.D

Acq: 14 Oct 2019 18:34

Instrument :

MSVOA_U

ClientSampleId :

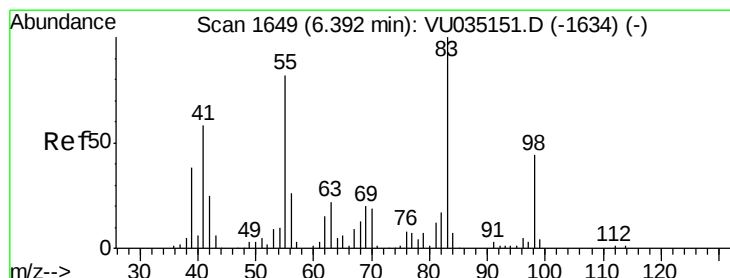
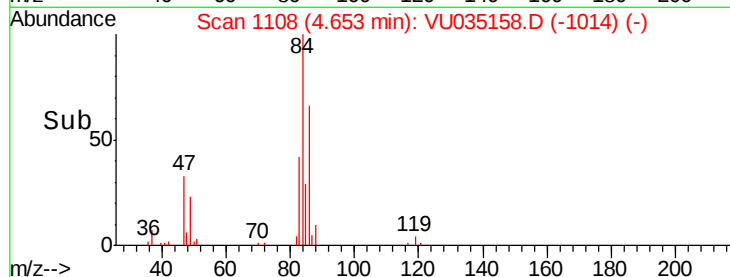
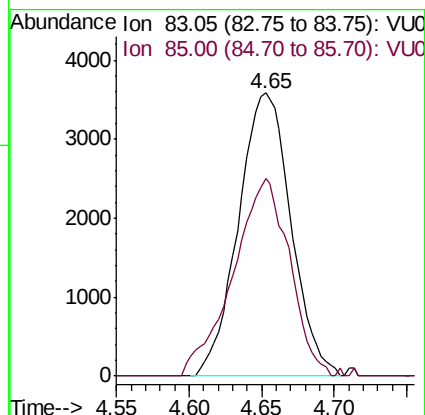
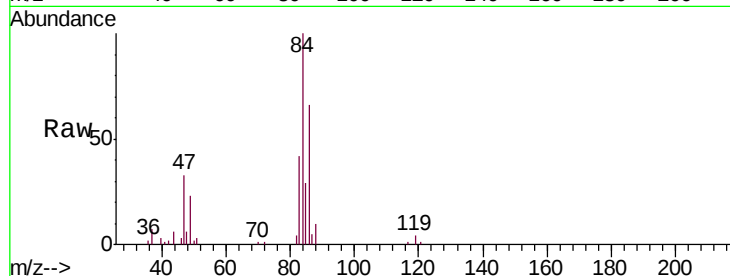
RD-9-001-01DL

Tgt Ion: 83 Resp: 9048

Ion Ratio Lower Upper

83 100

85 69.8 45.4 84.4



#35

Methylcyclohexane

Concen: 0.647 ug/L

RT: 6.31 min Scan# 1624

Delta R.T. -0.08 min

Lab File: VU035158.D

Acq: 14 Oct 2019 18:34

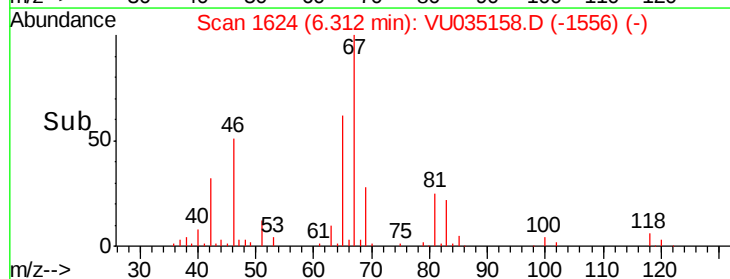
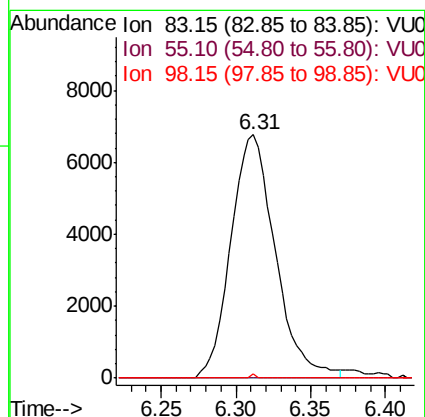
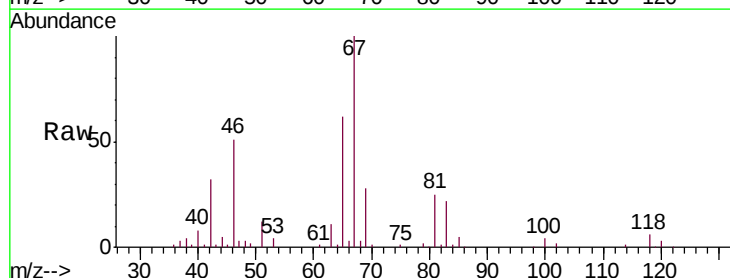
Tgt Ion: 83 Resp: 13995

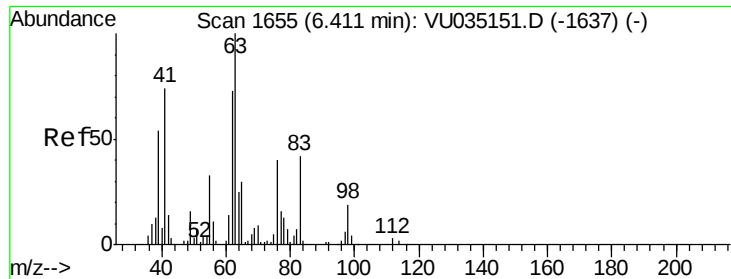
Ion Ratio Lower Upper

83 100

55 0.0 62.6 94.0#

98 0.1 36.2 54.2#





#37

1,2-Dichloropropane

Concen: 0.501 ug/L

RT: 6.31 min Scan# 1623

Delta R.T. -0.10 min

Lab File: VU035158.D

Acq: 14 Oct 2019 18:34

Instrument :

MSVOA_U

ClientSampleId :

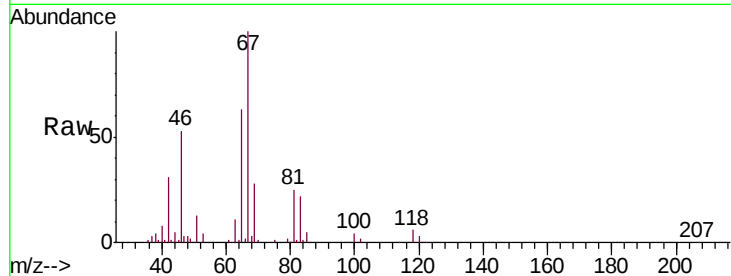
RD-9-001-01DL

Tgt Ion: 63 Resp: 6997

Ion Ratio Lower Upper

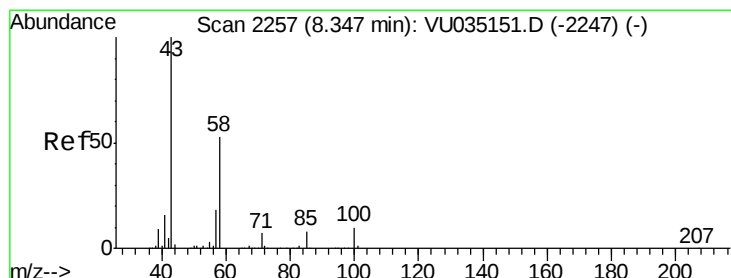
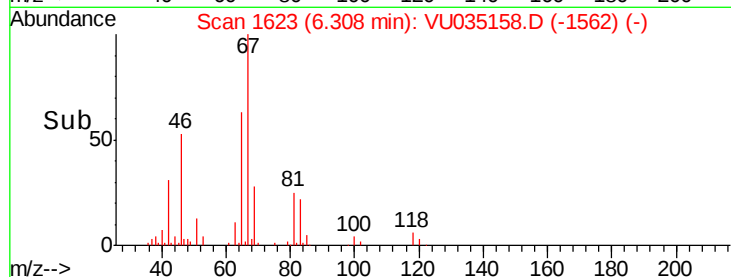
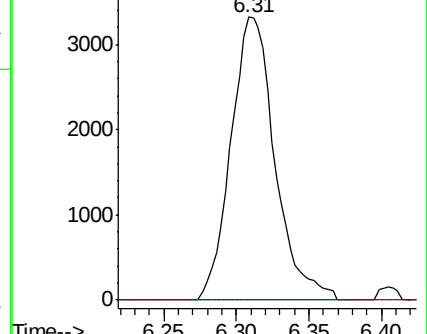
63 100

112 0.6 3.1 4.7#



Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 112.10 (111.80 to 112.80): V



#48

2-Hexanone

Concen: 1.764 ug/L

RT: 8.30 min Scan# 2243

Delta R.T. -0.05 min

Lab File: VU035158.D

Acq: 14 Oct 2019 18:34

Tgt Ion: 43 Resp: 10635

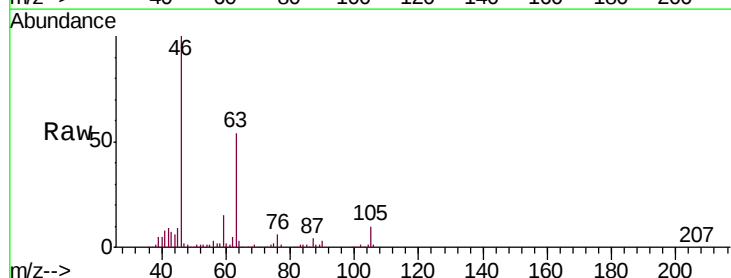
Ion Ratio Lower Upper

43 100

58 28.9 44.1 66.1#

57 36.4 15.8 23.8#

100 1.3 9.4 14.2#

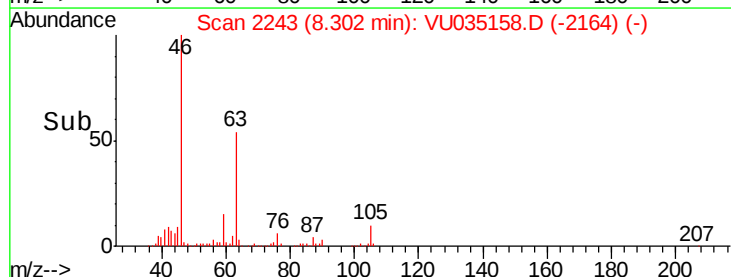
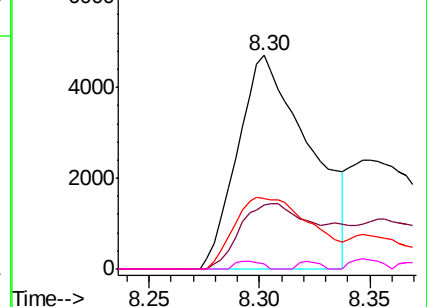


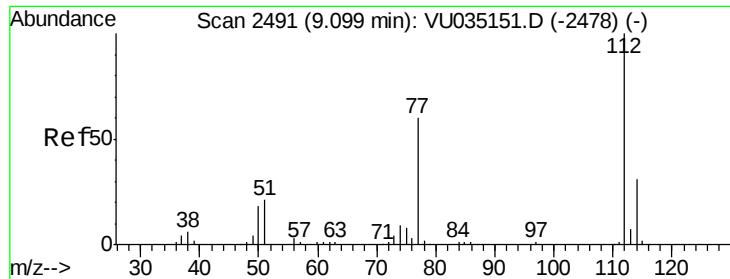
Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

Ion 57.20 (56.90 to 57.90): VU0

Ion 100.15 (99.85 to 100.85): VU0





#51

Chlorobenzene

Concen: 0.215 ug/L

RT: 9.10 min Scan# 2492

Delta R.T. 0.00 min

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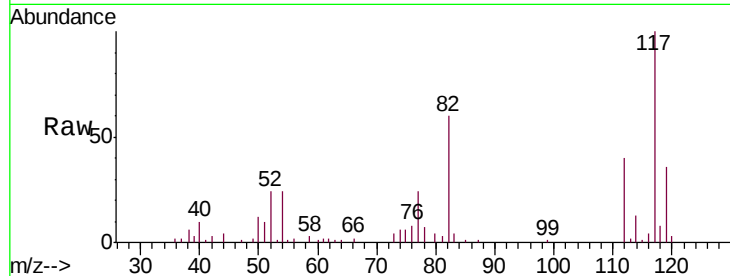
Tgt Ion: 112 Resp: 7548

Ion Ratio Lower Upper

112 100

114 31.6 22.1 41.1

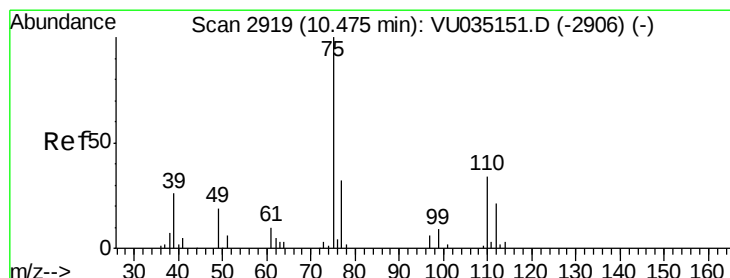
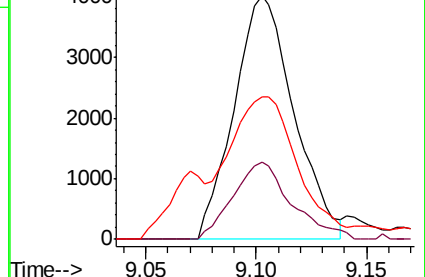
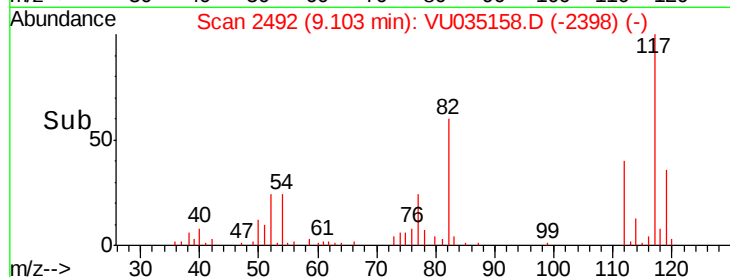
77 58.5 46.9 70.3



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VU0



#59

1,2,3-Trichloropropane

Concen: 0.930 ug/L

RT: 11.47 min Scan# 3228

Delta R.T. 0.99 min

Lab File: VU035158.D

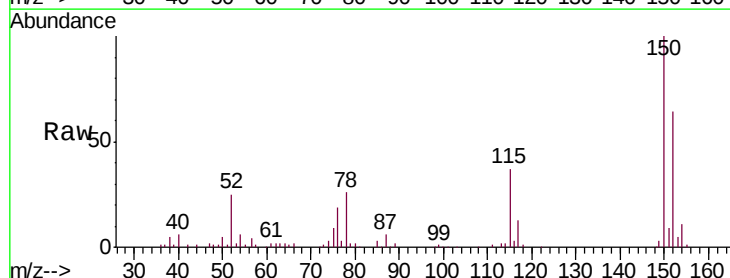
Acq: 14 Oct 2019 18:34

Tgt Ion: 75 Resp: 8409

Ion Ratio Lower Upper

75 100

77 35.7 26.5 39.7



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

