

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU101419\
 Data File : VU035145.D
 Acq On : 14 Oct 2019 12:18
 Operator : JC/SP
 Sample : K5309-18
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

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

Quant Time: Oct 15 07:38:49 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	165030	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	171955	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	74224	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	51888	5.32	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	106.40%
7) Chloroethane-d5	1.67	69	44880	4.93	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.60%
11) 1,1-Dichloroethene-d2	2.26	63	69965	3.40	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	68.00%
20) 2-Butanone-d5	4.17	46	149453	52.02	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	104.04%
24) Chloroform-d	4.62	84	87302	4.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.80%
26) 1,2-Dichloroethane-d4	5.29	65	55007	5.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.60%
32) Benzene-d6	5.32	84	178058	4.42	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.40%
36) 1,2-Dichloropropane-d6	6.31	67	64335	4.77	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.40%
41) Toluene-d8	7.55	98	151784	3.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	77.80%
43) trans-1,3-Dichloropropene-	7.84	79	19715	4.07	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	81.40%
46) 2-Hexanone-d5	8.30	63	109402	47.42	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.84%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	57254	5.04	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.80%
64) 1,2-Dichlorobenzene-d4	11.84	152	58647	4.68	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.60%

Target Compounds

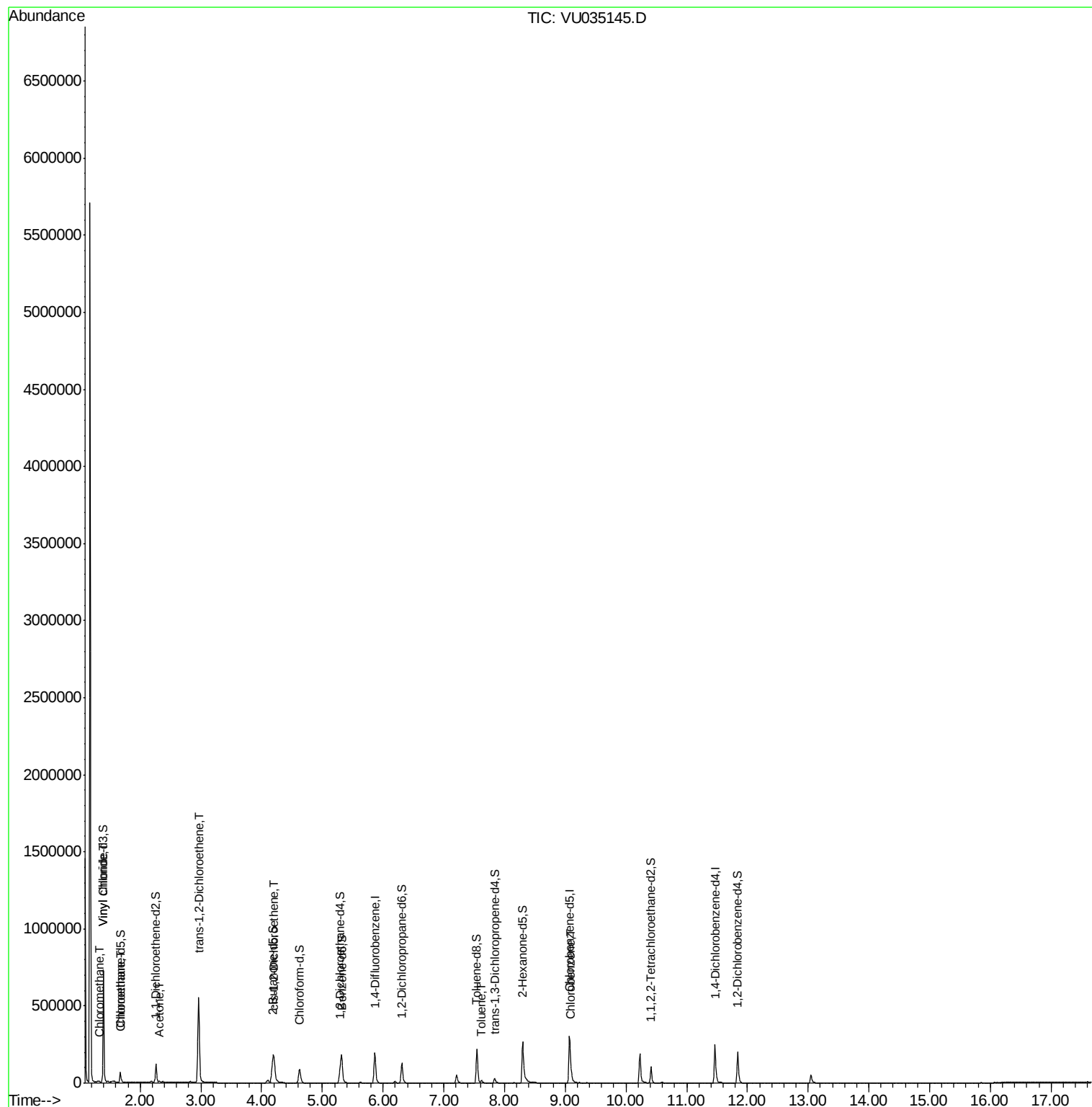
					Ovalue
3) Chloromethane	1.32	50	2530	0.153 ug/L	86
5) Vinyl chloride	1.40	62	417990	25.721 ug/L	98
8) Chloroethane	1.69	64	5086	0.522 ug/L	93
13) Acetone	2.32	43	4966	2.111 ug/L	93
18) trans-1,2-Dichloroethene	2.96	96	197266	17.380 ug/L	92
22) cis-1,2-Dichloroethene	4.20	96	81688	6.452 ug/L	88
42) Toluene	7.62	91	10323	0.191 ug/L	100
51) Chlorobenzene	9.10	112	34369	0.981 ug/L	100

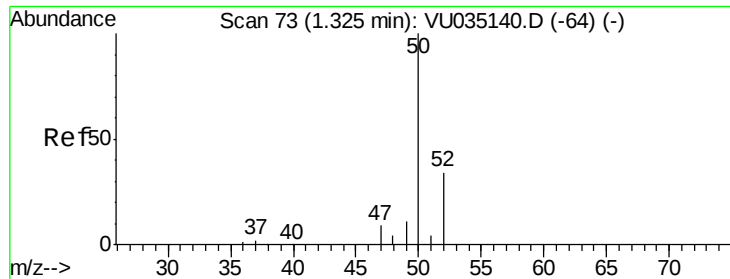
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.153 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VU035145.D

Acq: 14 Oct 2019 12:18

Instrument :

MSVOA_U

ClientSampleId :

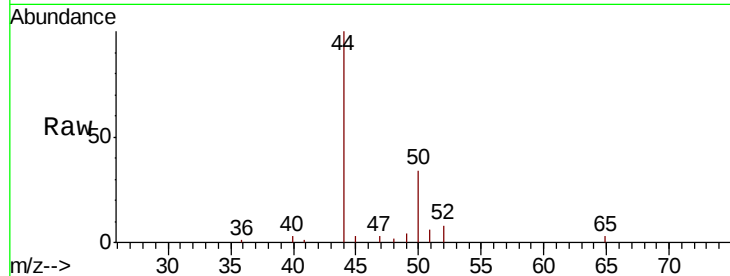
RD-9-001-01

Tot Ion: 50 Resp: 2530

Ion Ratio Lower Upper

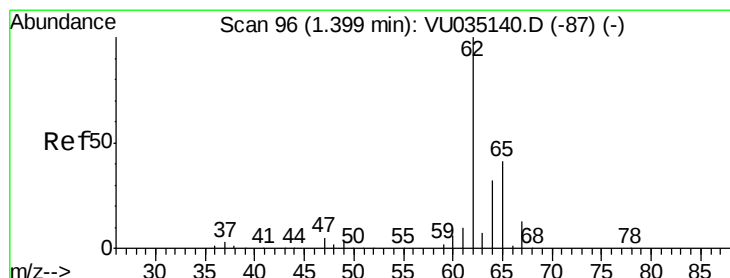
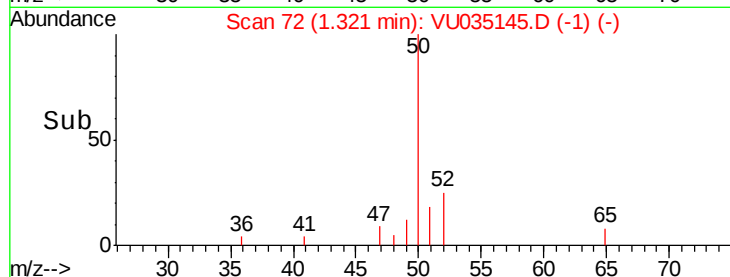
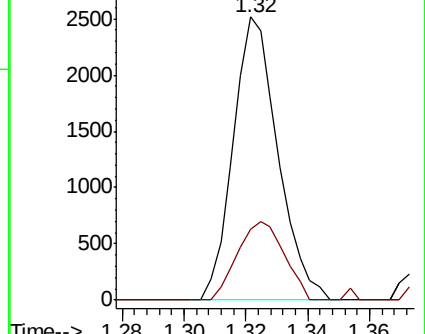
50 100

52 25.1 23.3 43.3



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0



#5

Vinyl chloride

Concen: 25.721 ug/L

RT: 1.40 min Scan# 95

Delta R.T. -0.00 min

Lab File: VU035145.D

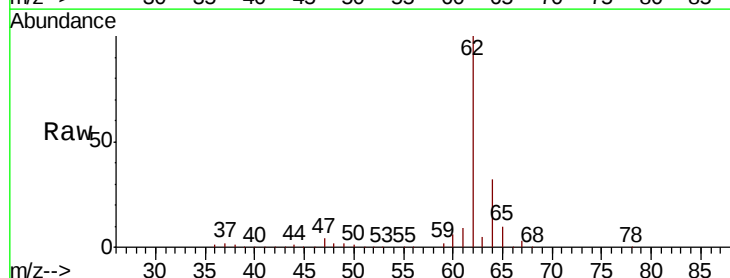
Acq: 14 Oct 2019 12:18

Tgt Ion: 62 Resp: 417990

Ion Ratio Lower Upper

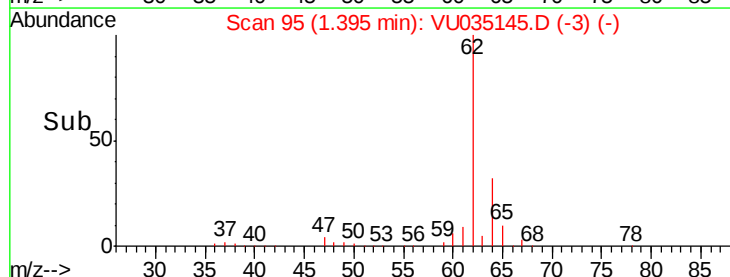
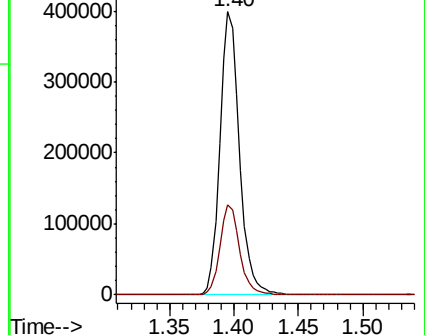
62 100

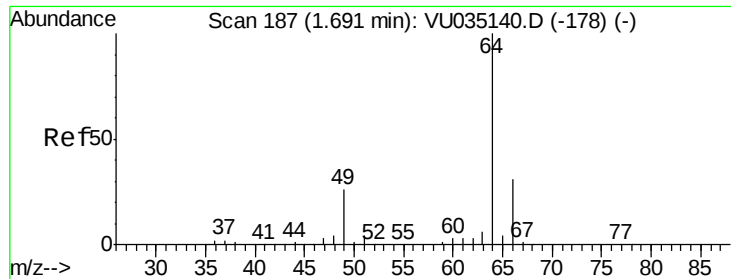
64 31.6 22.8 42.4



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0





#8

Chloroethane

Concen: 0.522 ug/L

RT: 1.69 min Scan# 187

Delta R.T. -0.00 min

Lab File: VU035145.D

Acq: 14 Oct 2019 12:18

Instrument :

MSVOA_U

ClientSampleId :

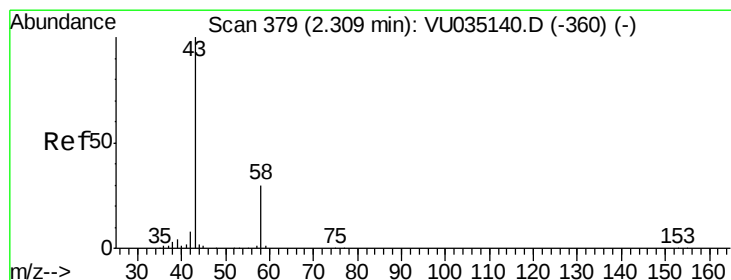
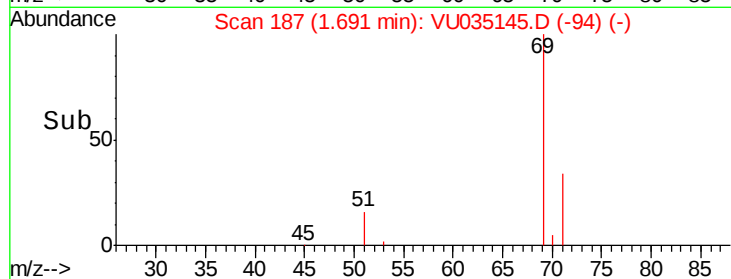
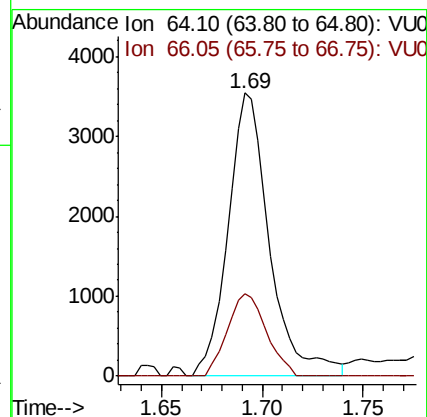
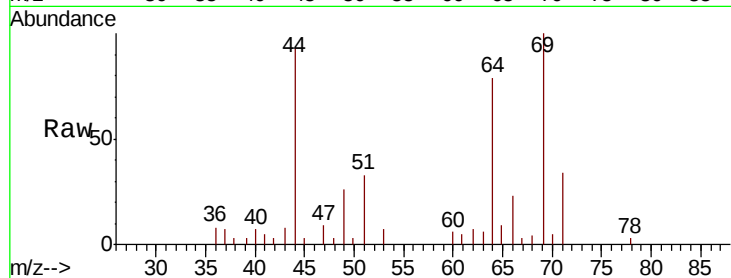
RD-9-001-01

Tot Ion: 64 Resp: 5086

Ion Ratio Lower Upper

64 100

66 29.2 23.2 43.2



#13

Acetone

Concen: 2.111 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.01 min

Lab File: VU035145.D

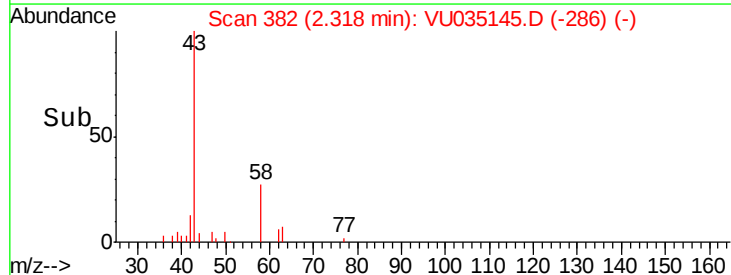
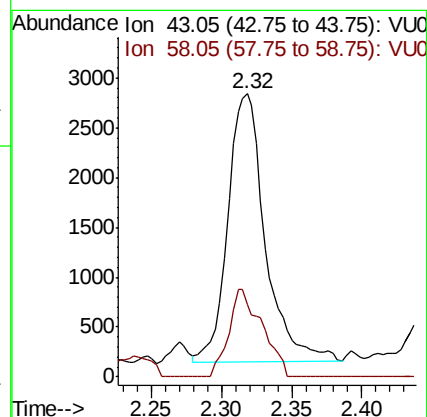
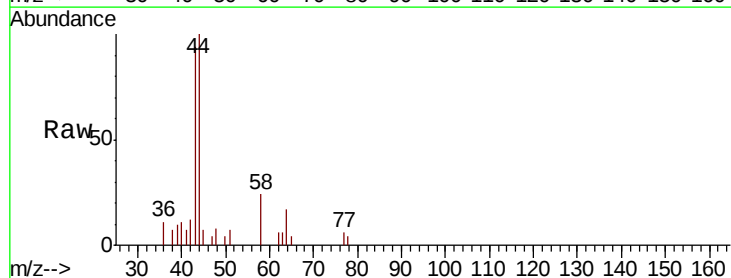
Acq: 14 Oct 2019 12:18

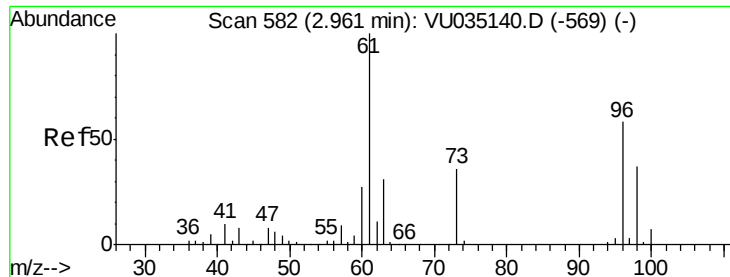
Tgt Ion: 43 Resp: 4966

Ion Ratio Lower Upper

43 100

58 29.3 0.0 66.6

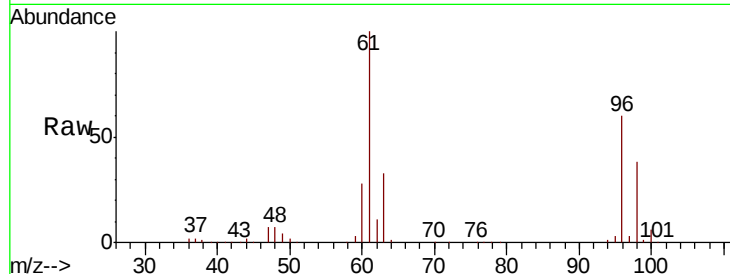




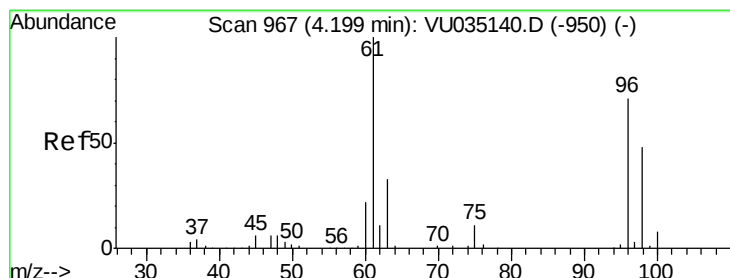
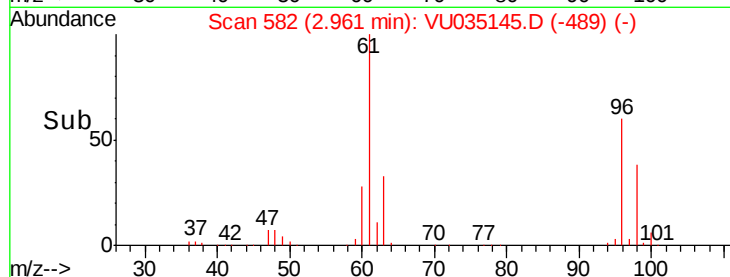
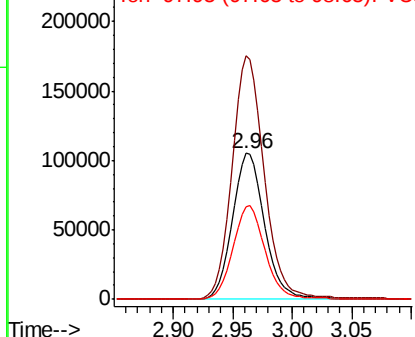
#18
trans-1,2-Dichloroethene
Concen: 17.380 ug/L
RT: 2.96 min Scan# 582
Delta R.T. -0.00 min
Lab File: VU035145.D
Acq: 14 Oct 2019 12:18

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

Tot Ion: 96 Resp: 197266
Ion Ratio Lower Upper
96 100
61 166.9 107.1 198.9
98 63.8 45.4 84.4

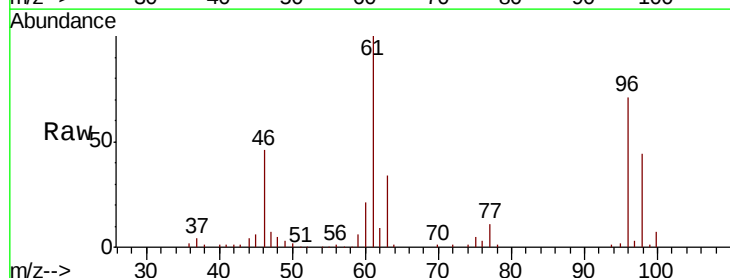


Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0

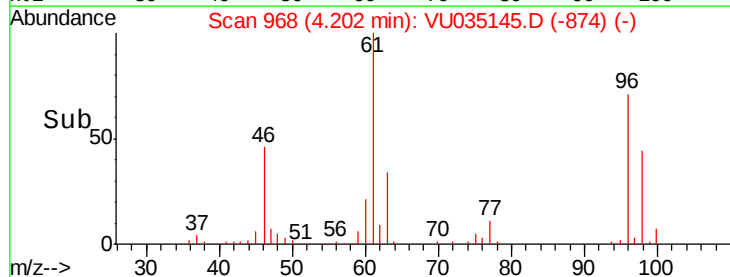
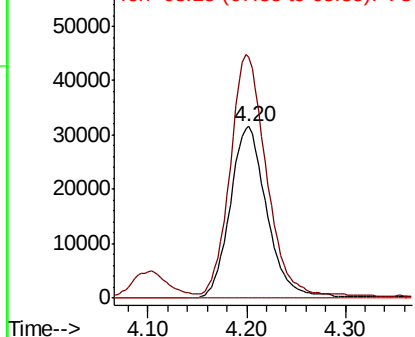


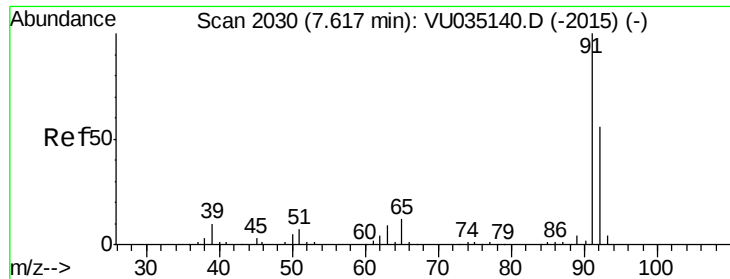
#22
cis-1,2-Dichloroethene
Concen: 6.452 ug/L
RT: 4.20 min Scan# 968
Delta R.T. 0.00 min
Lab File: VU035145.D
Acq: 14 Oct 2019 12:18

Tgt Ion: 96 Resp: 81688
Ion Ratio Lower Upper
96 100
61 140.6 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





#42

Toluene

Concen: 0.191 ug/L

RT: 7.62 min Scan# 2031

Delta R.T. 0.00 min

Lab File: VU035145.D

Acq: 14 Oct 2019 12:18

Instrument :

MSVOA_U

ClientSampleId :

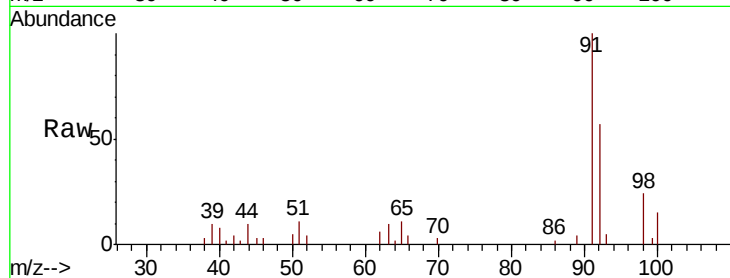
RD-9-001-01

Tot Ion: 91 Resp: 10323

Ion Ratio Lower Upper

91 100

92 56.9 40.0 74.2



Abundance Ion 91.15 (90.85 to 91.85): VU035140.D (-2015) (-)

Ion 92.15 (91.85 to 92.85): VU035140.D (-2015) (-)

7.62

6000

5000

4000

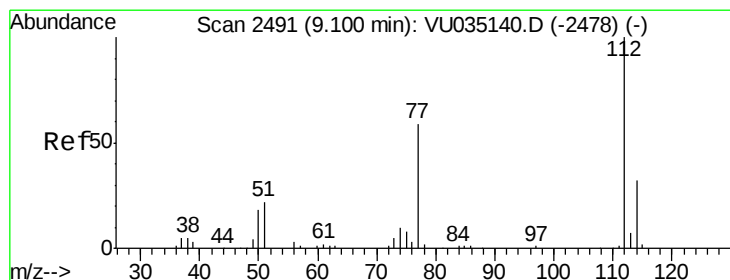
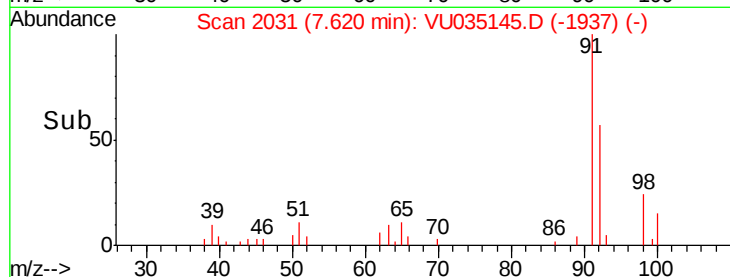
3000

2000

1000

0

Time-->



#51

Chlorobenzene

Concen: 0.981 ug/L

RT: 9.10 min Scan# 2491

Delta R.T. -0.00 min

Lab File: VU035145.D

Acq: 14 Oct 2019 12:18

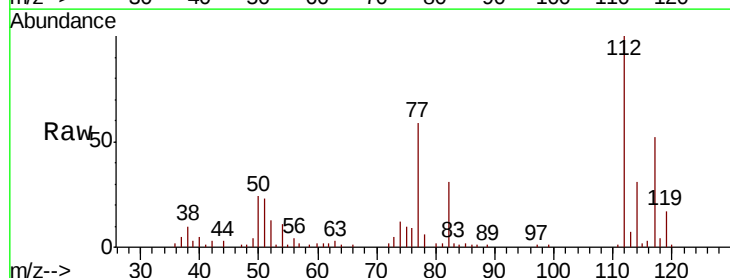
Tgt Ion: 112 Resp: 34369

Ion Ratio Lower Upper

112 100

114 31.0 22.1 41.1

77 58.7 46.9 70.3



Abundance Ion 112.10 (111.80 to 112.80): VU035140.D (-2478) (-)

Ion 114.05 (113.75 to 114.75): VU035140.D (-2478) (-)

Ion 77.10 (76.80 to 77.80): VU035140.D (-2478) (-)

9.10

25000

20000

15000

10000

5000

0

Time-->

