

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU063020\
 Data File : VU039268.D
 Acq On : 01 Jul 2020 08:29
 Operator : SY/MD
 Sample : L3134-08MSD
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ETYK5MSD

Manual Integrations
 APPROVED

MMDadoda
 7/9/2020 3:11:38 PM

Quant Time: Jul 01 11:48:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR063020WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Jul 01 08:49:01 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	191711	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.43	117	223054	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.82	152	83772	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	73215	5.53	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	110.60%
7) Chloroethane-d5	1.93	69	50137	4.21	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	84.20%
11) 1,1-Dichloroethene-d2	2.59	63	133565	5.14	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	102.80%
20) 2-Butanone-d5	4.67	46	158977	29.66	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	59.32%
24) Chloroform-d	5.10	84	123968	4.44	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.80%
26) 1,2-Dichloroethane-d4	5.74	65	73796	4.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.80%
32) Benzene-d6	5.76	84	229073	4.17	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.40%
36) 1,2-Dichloropropane-d6	6.72	67	70249	3.67	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	73.40%
41) Toluene-d8	7.92	98	185017	4.11	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.20%
43) trans-1,3-Dichloropropene-	8.20	79	30272	3.51	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	70.20%
46) 2-Hexanone-d5	8.65	63	152229	34.34	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	68.68%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	53691	2.86	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	57.20%#
64) 1,2-Dichlorobenzene-d4	12.20	152	72288	4.76	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.20%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.62	62	21750	1.148	ug/L	94
12) 1,1-Dichloroethene	2.61	96	69691	5.105	ug/L	94
13) Acetone	2.67	43	18632m	5.702	ug/L	
18) trans-1,2-Dichloroethene	3.39	96	1281	0.092	ug/L #	73
21) 2-Butanone	4.75	43	7074	1.378	ug/L	89
22) cis-1,2-Dichloroethene	4.70	96	42758	2.894	ug/L	93
33) Benzene	5.81	78	298452	4.561	ug/L	100
34) Trichloroethene	6.57	95	77818	4.524	ug/L	96
42) Toluene	7.99	91	306296	4.567	ug/L	99
51) Chlorobenzene	9.47	112	233177	5.321	ug/L	99

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

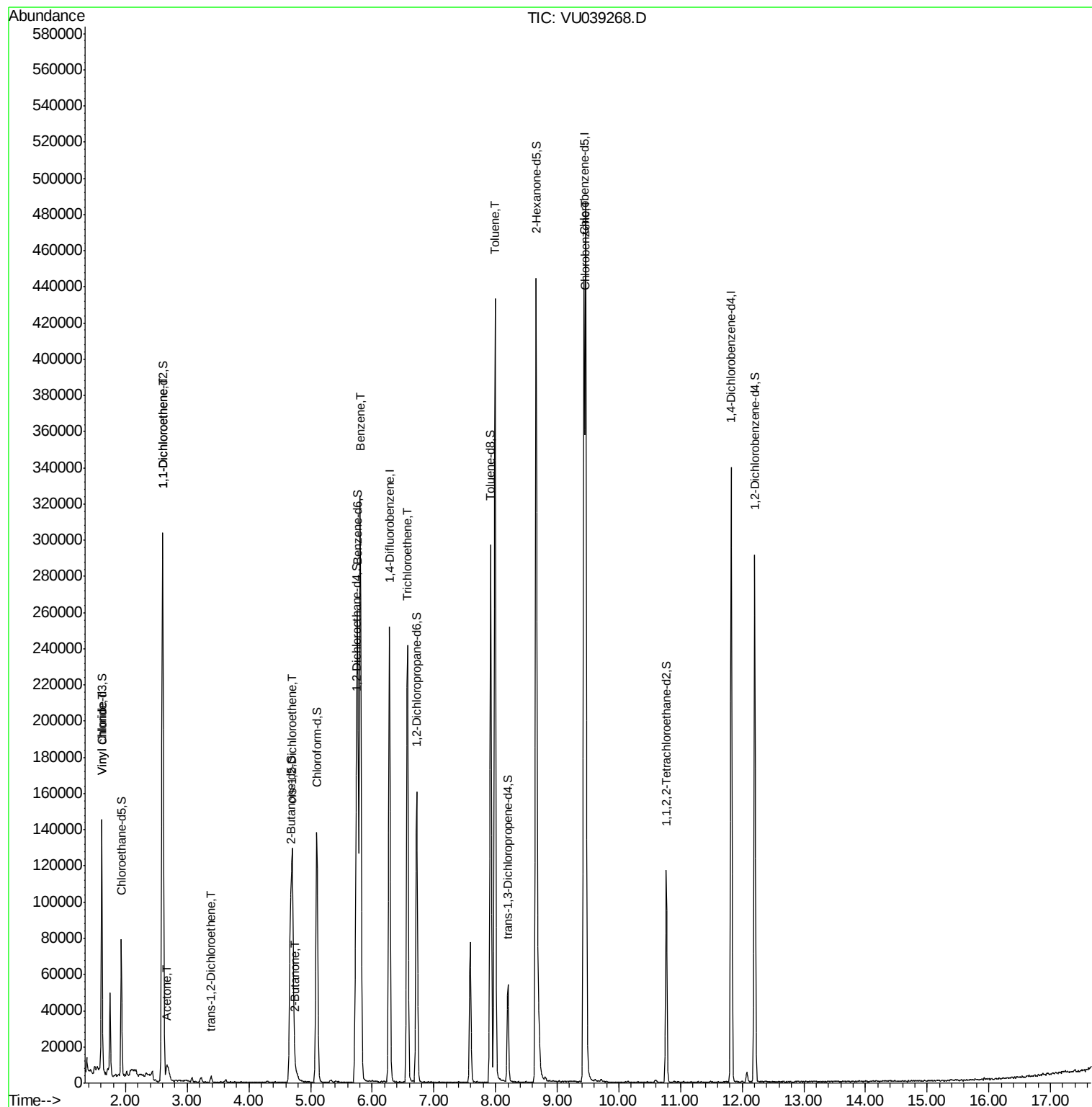
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU063020\
Data File : VU039268.D
Acq On : 01 Jul 2020 08:29
Operator : SY/MD
Sample : L3134-08MSD
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

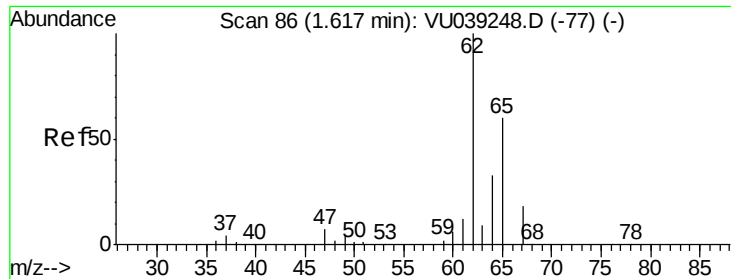
Instrument :
MSVOA_U
ClientSampleId :
ETYK5MSD

Manual Integrations
APPROVED

MMDadoda
7/9/2020 3:11:38 PM

Quant Time: Jul 01 11:48:34 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR063020WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jul 01 08:49:01 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 1.148 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU039268.D

Acq: 01 Jul 2020 08:29

Instrument :

MSVOA_U

ClientSampleId :

ETYK5MSD

Tot Ion: 62 Resp: 21750

Ion Ratio Lower Upper

62 100

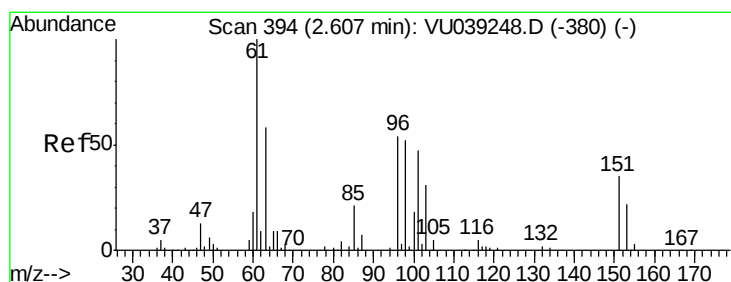
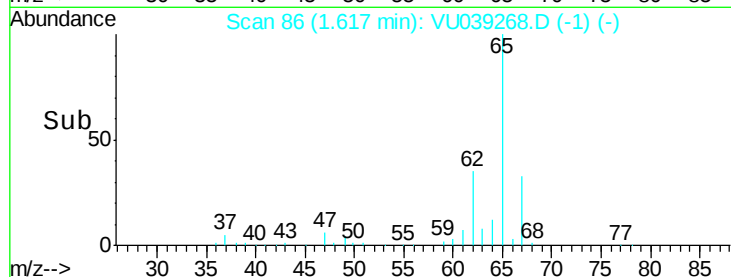
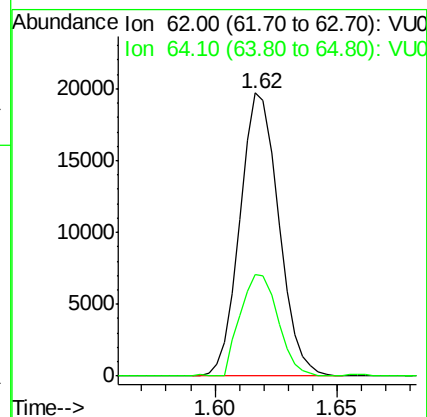
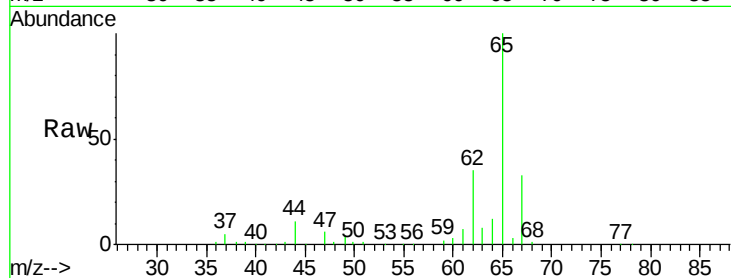
64 35.8 22.8 42.4

Manual Integrations

APPROVED

MMDadoda

7/9/2020 3:11:38 PM



#12

1,1-Dichloroethene

Concen: 5.105 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU039268.D

Acq: 01 Jul 2020 08:29

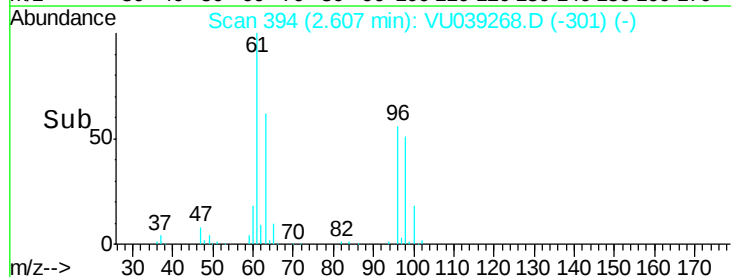
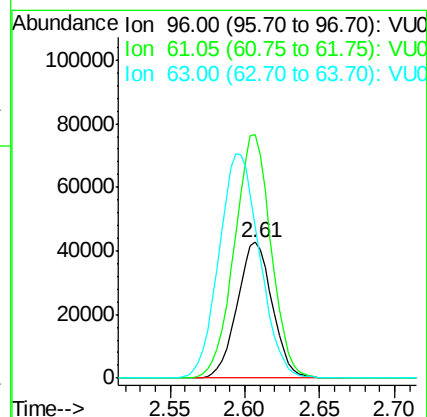
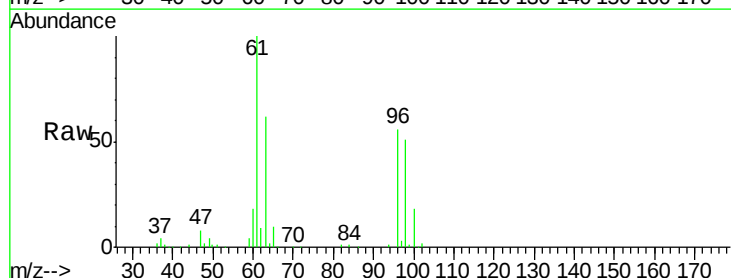
Tgt Ion: 96 Resp: 69691

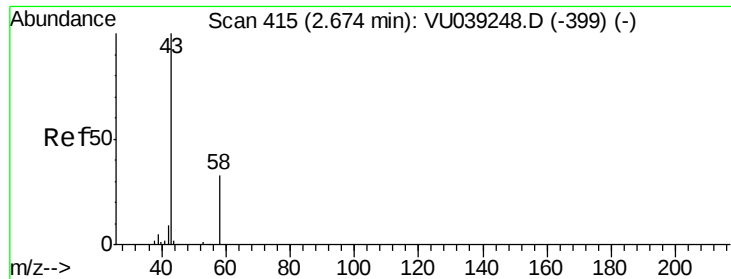
Ion Ratio Lower Upper

96 100

61 179.2 129.1 239.7

63 111.2 85.5 158.7





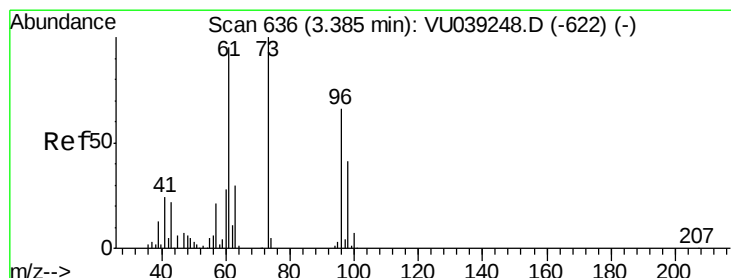
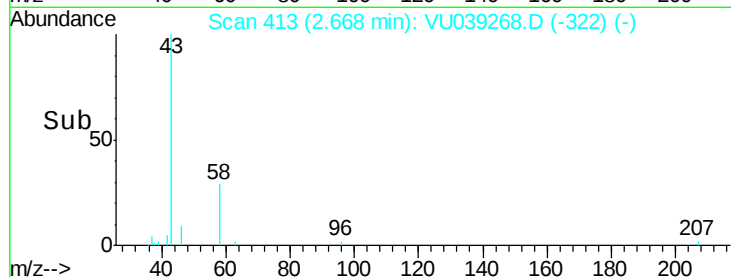
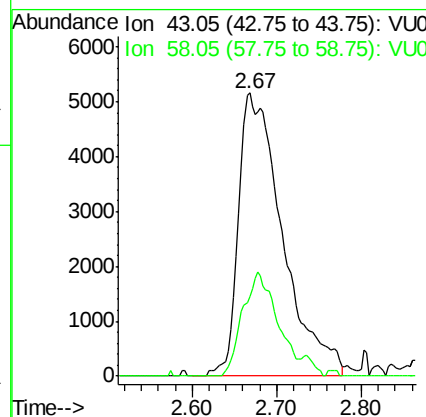
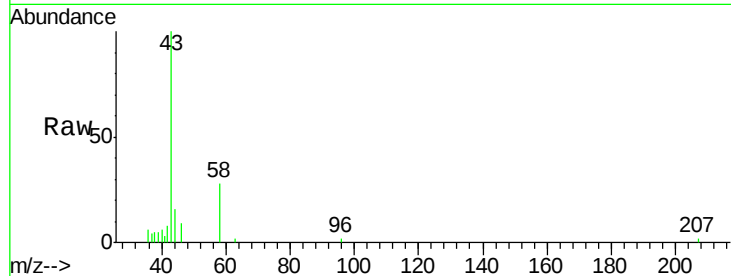
#13
Acetone
Concen: 5.702 ug/L m
RT: 2.67 min Scan# 413
Delta R.T. -0.01 min
Lab File: VU039268.D
Acq: 01 Jul 2020 08:29

Instrument :
MSVOA_U
ClientSampled :
ETYK5MSD

Tot Ion: 43 Resp: 18632
Ion Ratio Lower Upper
43 100
58 28.9 0.0 61.0

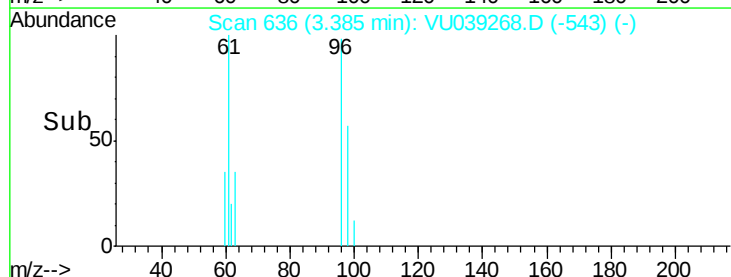
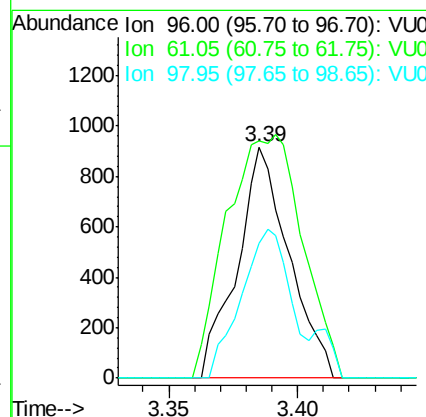
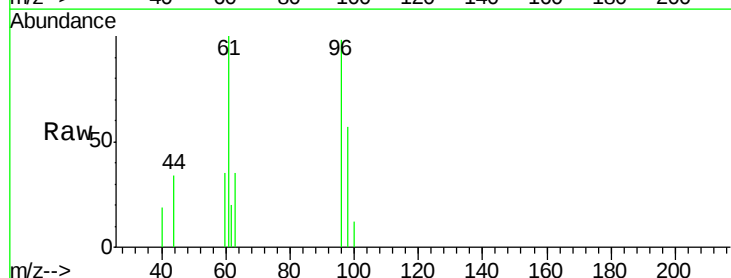
Manual Integrations
APPROVED

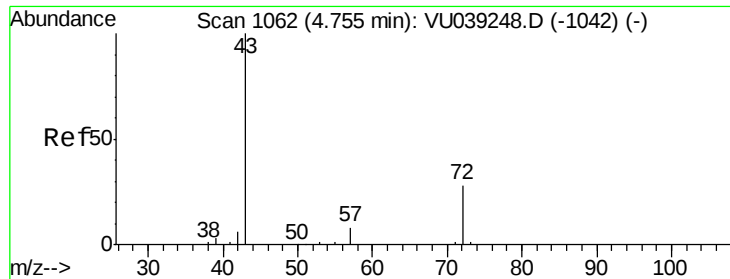
MMDadoda
7/9/2020 3:11:38 PM



#18
trans-1,2-Dichloroethene
Concen: 0.092 ug/L
RT: 3.39 min Scan# 636
Delta R.T. 0.00 min
Lab File: VU039268.D
Acq: 01 Jul 2020 08:29

Tgt Ion: 96 Resp: 1281
Ion Ratio Lower Upper
96 100
61 102.4 103.3 191.8#
98 58.5 44.0 81.8





#21

2-Butanone

Concen: 1.378 ug/L

RT: 4.75 min Scan# 1062

Delta R.T. 0.00 min

Lab File: VU039268.D

Acq: 01 Jul 2020 08:29

Instrument :

MSVOA_U

ClientSampled :

ETVK5MSD

Tot Ion: 43 Resp: 7074

Ion Ratio Lower Upper

43 100

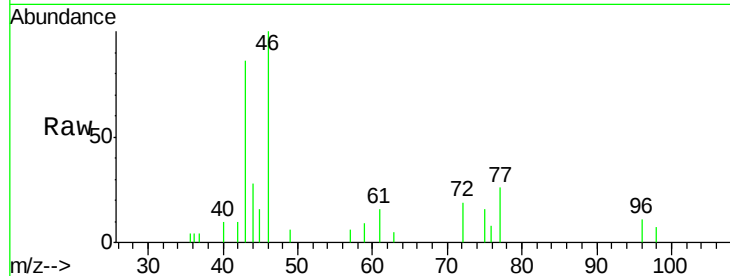
72 21.3 13.7 41.0

Manual Integrations

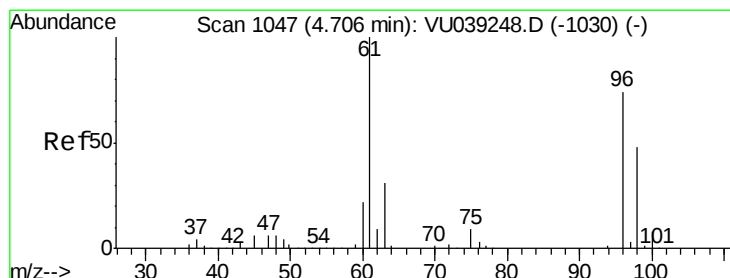
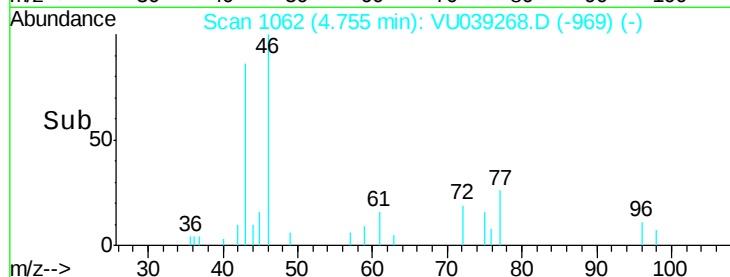
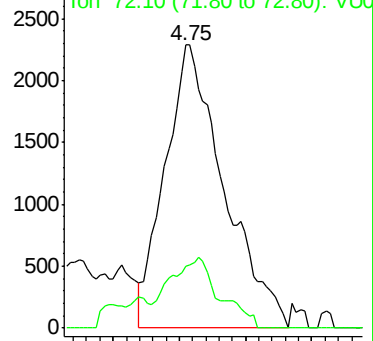
APPROVED

MMDadoda

7/9/2020 3:11:38 PM



Abundance Ion 43.05 (42.75 to 43.75): VU039268.D (-969) (-)



#22

cis-1,2-Dichloroethene

Concen: 2.894 ug/L

RT: 4.70 min Scan# 1046

Delta R.T. -0.00 min

Lab File: VU039268.D

Acq: 01 Jul 2020 08:29

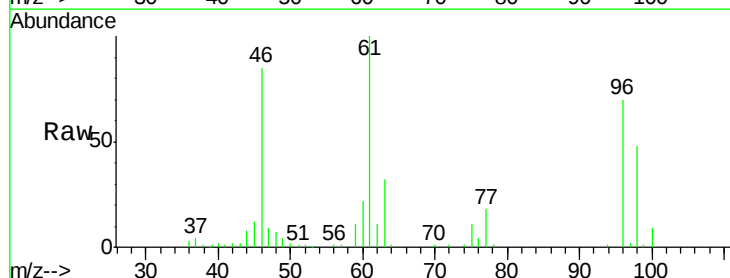
Tgt Ion: 96 Resp: 42758

Ion Ratio Lower Upper

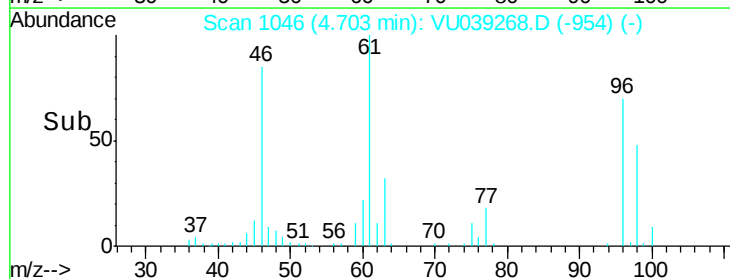
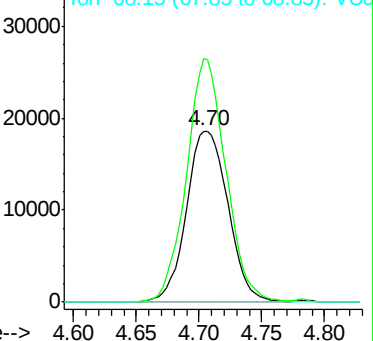
96 100

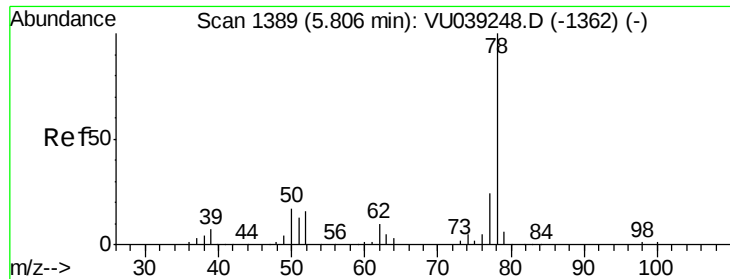
61 142.4 94.2 175.0

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU039268.D (-954) (-)





#33

Benzene

Concen: 4.561 ug/L

RT: 5.81 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VU039268.D

Acq: 01 Jul 2020 08:29

Instrument :

MSVOA_U

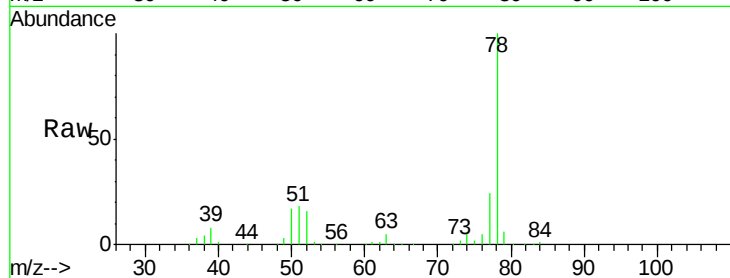
ClientSampleId :

ETYK5MSD

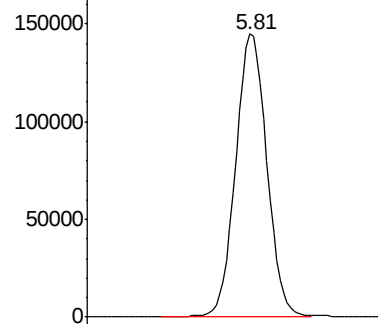
Tgt Ion: 78 Resp: 298452

Manual Integrations
APPROVED

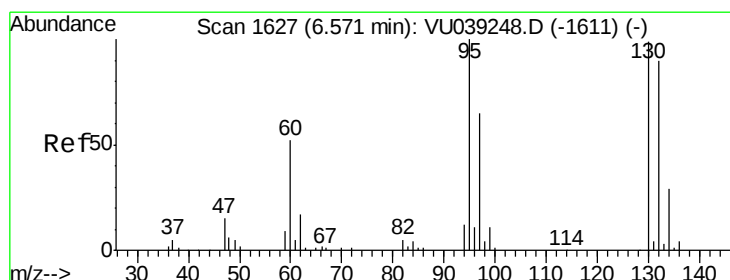
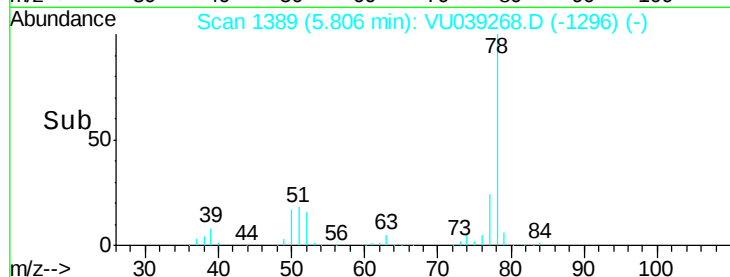
MMDadoda
7/9/2020 3:11:38 PM



Abundance Ion 78.10 (77.80 to 78.80): VU0



Time-->



#34

Trichloroethene

Concen: 4.524 ug/L

RT: 6.57 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VU039268.D

Acq: 01 Jul 2020 08:29

Tgt Ion: 95 Resp: 77818

Ion	Ratio	Lower	Upper
95	100		
97	60.5	44.0	81.8
132	95.4	64.9	120.5
130	102.5	68.7	127.5

95 100

97 60.5 44.0 81.8

132 95.4 64.9 120.5

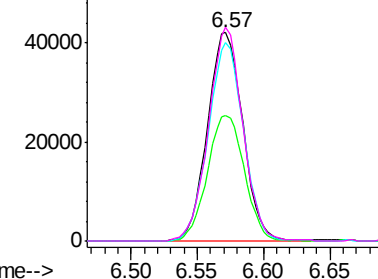
130 102.5 68.7 127.5

Abundance Ion 95.00 (94.70 to 95.70): VU0

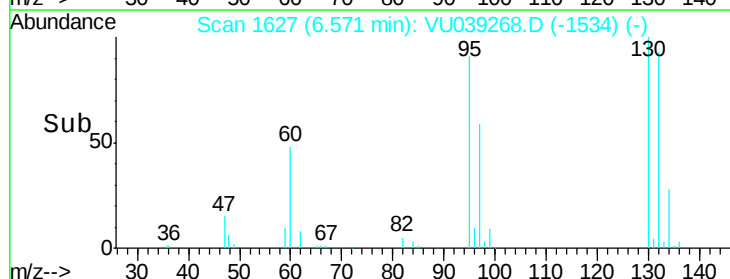
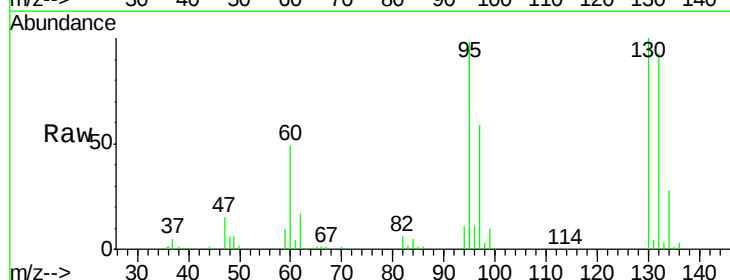
Ion 96.95 (96.65 to 97.65): VU0

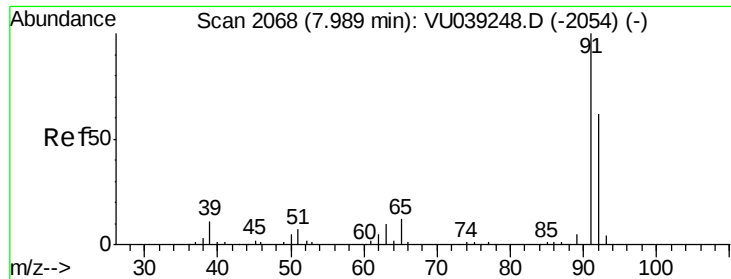
Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



Time-->





#42

Toluene

Concen: 4.567 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. 0.00 min

Lab File: VU039268.D

Acq: 01 Jul 2020 08:29

Instrument :

MSVOA_U

ClientSampleId :

ETYK5MSD

Tot Ion: 91 Resp: 306296

Ion Ratio Lower Upper

91 100

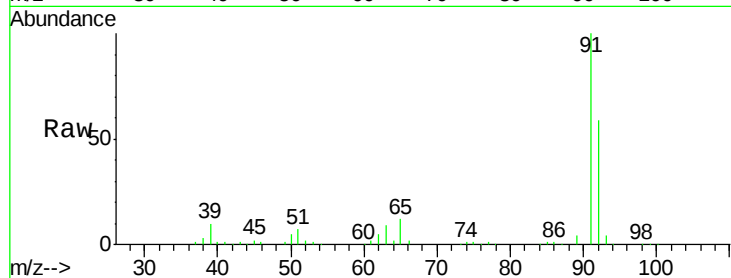
92 59.1 41.7 77.5

Manual Integrations

APPROVED

MMDadoda

7/9/2020 3:11:38 PM



Abundance Ion 91.15 (90.85 to 91.85): VU039248.D (-2054) (-)

Ion 92.15 (91.85 to 92.85): VU039248.D (-2054) (-)

7.99

200000

150000

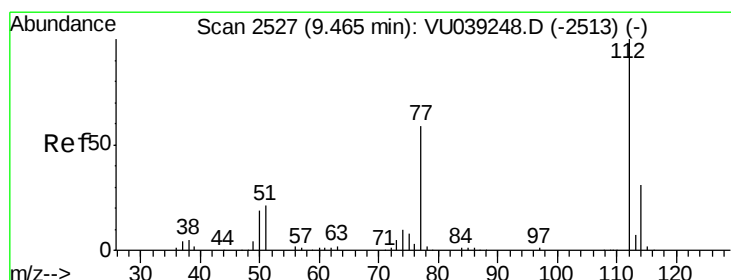
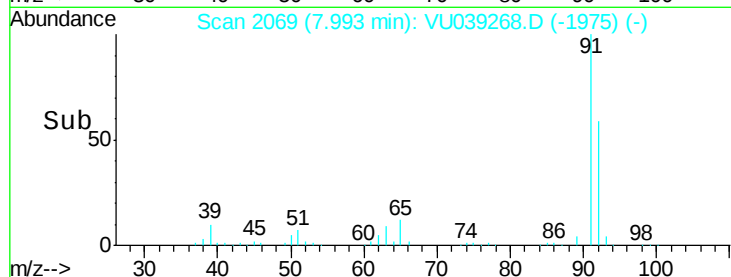
100000

50000

0

7.90 8.00 8.10

Time-->



#51

Chlorobenzene

Concen: 5.321 ug/L

RT: 9.47 min Scan# 2527

Delta R.T. 0.00 min

Lab File: VU039268.D

Acq: 01 Jul 2020 08:29

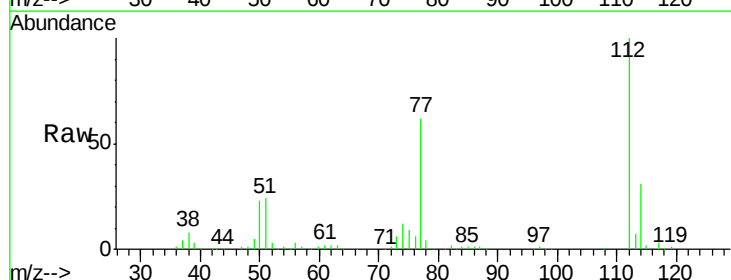
Tgt Ion: 112 Resp: 233177

Ion Ratio Lower Upper

112 100

114 30.9 22.8 42.4

77 62.3 49.7 74.5



Abundance Ion 112.10 (111.80 to 112.80): VU039248.D (-2513) (-)

Ion 114.05 (113.75 to 114.75): VU039248.D (-2513) (-)

Ion 77.10 (76.80 to 77.80): VU039248.D (-2513) (-)

9.47

150000

100000

50000

0

9.40 9.50 9.60

Time-->

