

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U102219\
 Data File : VU035377.D
 Acq On : 22 Oct 2019 20:52
 Operator : JC/SP
 Sample : K5461-01
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H0FZ2

Manual Integrations
 APPROVED

MMDadoda
 10/23/2019 11:32:12 AM

Quant Time: Oct 23 08:51:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Oct 23 08:02:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	259557	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	256187	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	85723	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	134575	8.50	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	170.00%#
7) Chloroethane-d5	1.93	69	99555	6.88	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	137.60%#
11) 1,1-Dichloroethene-d2	2.59	63	155781	5.32	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	106.40%
20) 2-Butanone-d5	4.71	46	206226	45.34	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	90.68%
24) Chloroform-d	5.11	84	156724	5.42	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	108.40%
26) 1,2-Dichloroethane-d4	5.75	65	96729	6.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	120.80%
32) Benzene-d6	5.77	84	354848	6.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	121.20%
36) 1,2-Dichloropropane-d6	6.74	67	116307	6.25	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	125.00%
41) Toluene-d8	7.93	98	309369	5.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	110.40%
43) trans-1,3-Dichloropropene-	8.22	79	40802	4.52	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.40%
46) 2-Hexanone-d5	8.70	63	156241	39.24	ug/L	0.02
Spiked Amount	50.000	Range	45 - 130	Recovery	=	78.48%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	92904	5.60	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	112.00%
64) 1,2-Dichlorobenzene-d4	12.22	152	90656	5.81	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	116.20%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.62	62	2432833	108.103	ug/L	99
13) Acetone	2.67	43	3257	1.030	ug/L	87
16) Methylene chloride	3.08	84	2280	0.114	ug/L	91
17) Methyl tert-butyl Ether	3.43	73	110412	2.460	ug/L #	88
18) trans-1,2-Dichloroethene	3.39	96	426906	23.723	ug/L	94
19) 1,1-Dichloroethane	3.92	63	52995	1.628	ug/L	100
22) cis-1,2-Dichloroethene	4.72	96	9187403	461.899	ug/L	97
25) Chloroform	5.14	83	22103	0.619	ug/L	98
30) Cyclohexane	5.43	56	7590	0.236	ug/L	95
33) Benzene	5.82	78	47513m	0.630	ug/L	

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

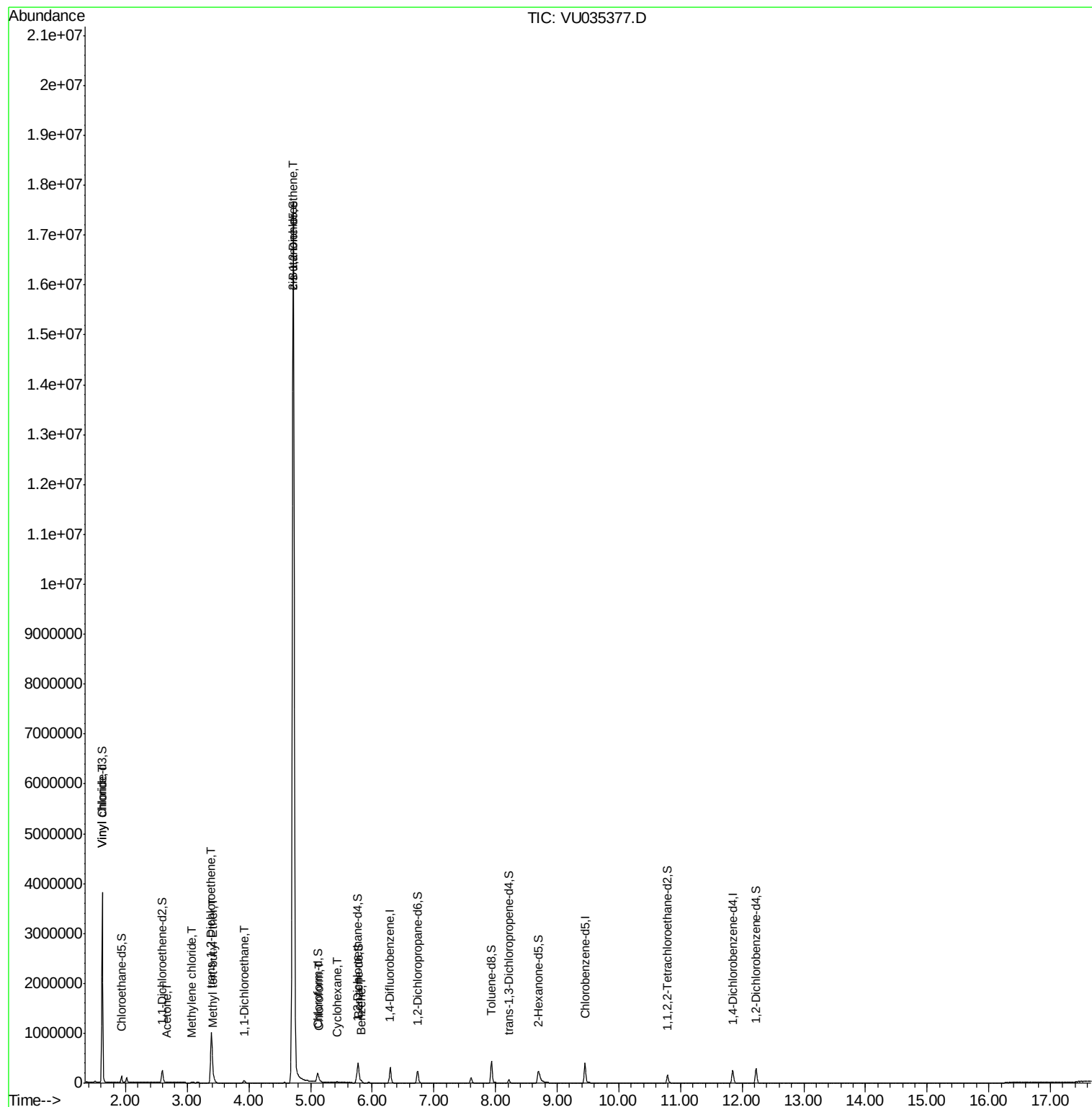
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU102219\
Data File : VU035377.D
Acq On : 22 Oct 2019 20:52
Operator : JC/SP
Sample : K5461-01
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 29 Sample Multiplier: 1

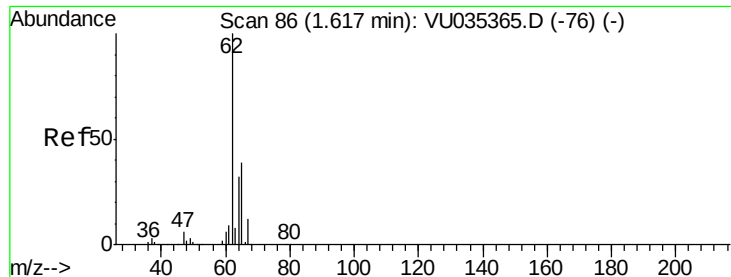
Instrument :
MSVOA_U
ClientSampleId :
H0FZ2

Manual Integrations
APPROVED

MMDadoda
10/23/2019 11:32:12 AM

Quant Time: Oct 23 08:51:29 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Oct 23 08:02:08 2019
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 108.103 ug/L

RT: 1.62 min Scan# 87

Delta R.T. 0.00 min

Lab File: VU035377.D

Acq: 22 Oct 2019 20:52

Instrument :

MSVOA_U

ClientSampled :

H0FZ2

Tot Ion: 62 Resp: 2432833

Ion Ratio Lower Upper

62 100

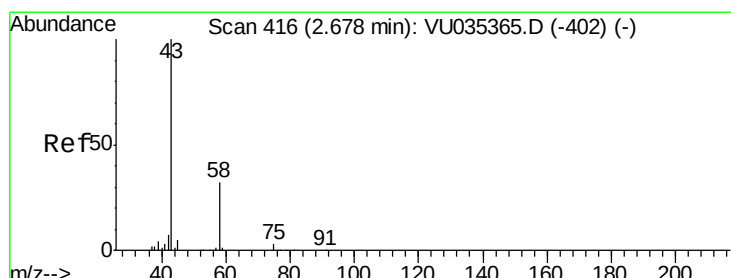
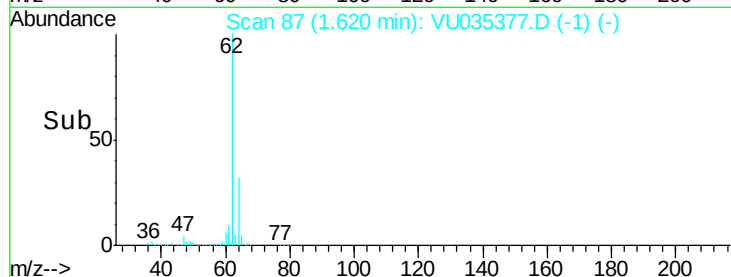
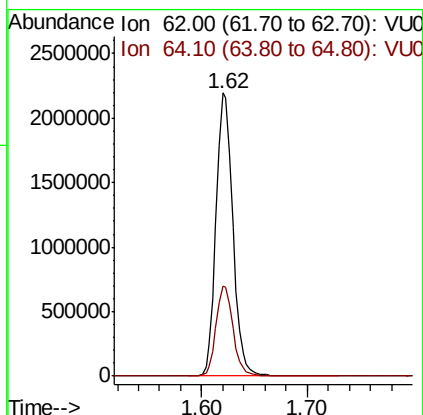
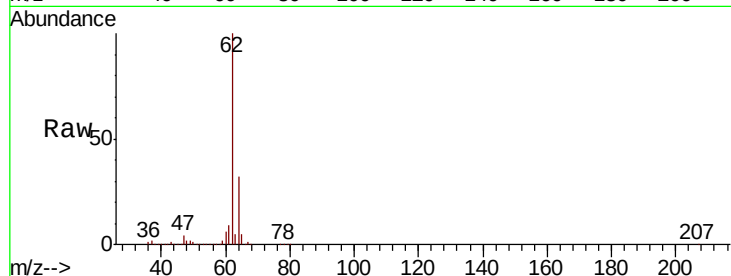
64 32.0 22.9 42.5

Manual Integrations

APPROVED

MMDadoda

10/23/2019 11:32:12 AM



#13

Acetone

Concen: 1.030 ug/L

RT: 2.67 min Scan# 415

Delta R.T. -0.00 min

Lab File: VU035377.D

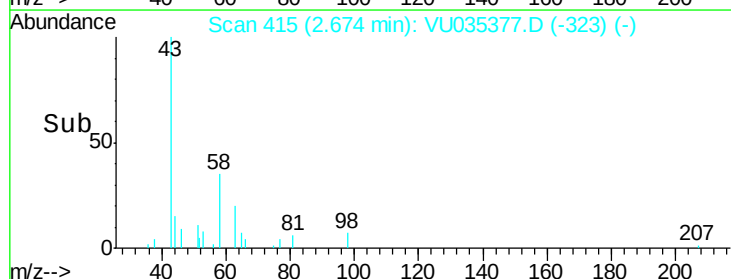
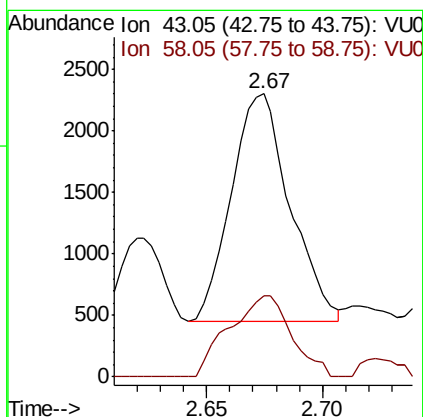
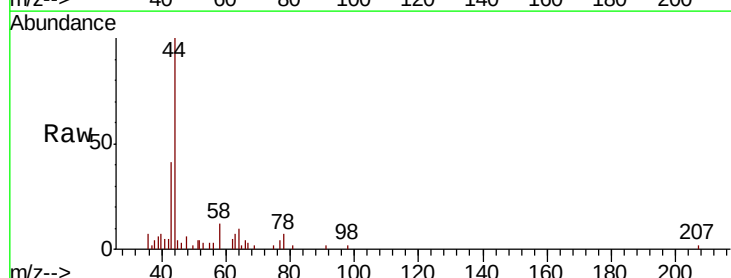
Acq: 22 Oct 2019 20:52

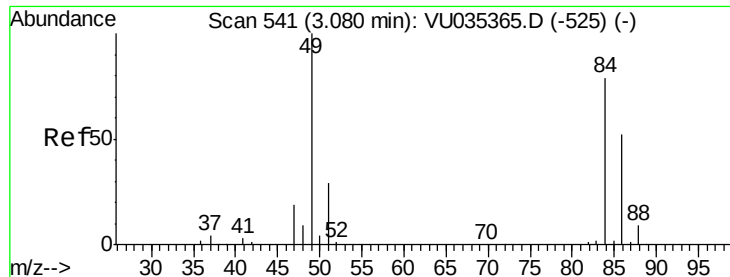
Tgt Ion: 43 Resp: 3257

Ion Ratio Lower Upper

43 100

58 37.9 0.0 61.8





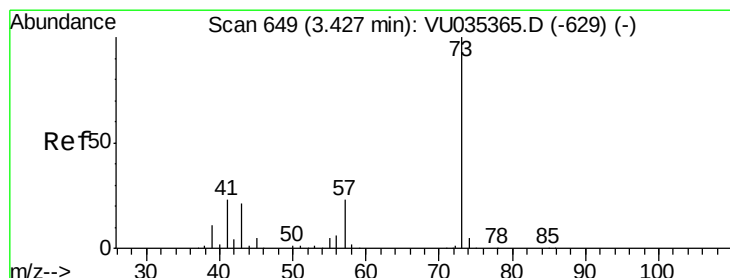
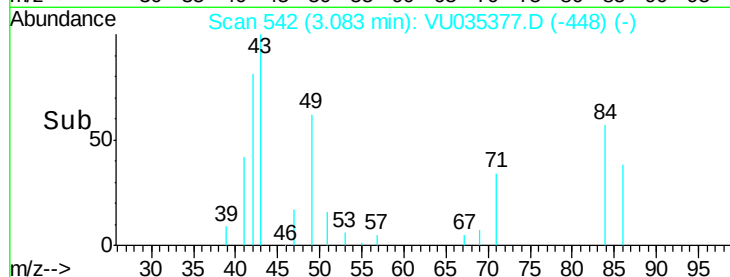
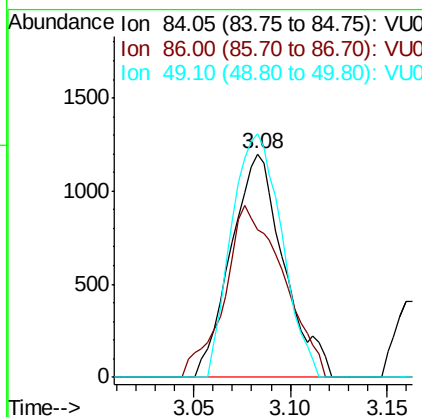
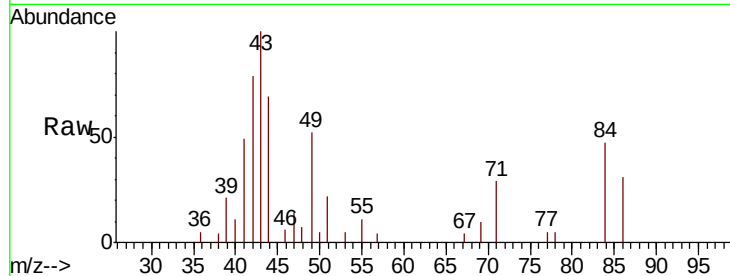
#16
Methylene chloride
Concen: 0.114 ug/L
RT: 3.08 min Scan# 542
Delta R.T. 0.00 min
Lab File: VU035377.D
Acq: 22 Oct 2019 20:52

Instrument :
MSVOA_U
ClientSampled :
H0FZ2

Tot Ion	Ratio	Lower	Upper
84	100		
86	66.2	45.4	84.2
49	108.9	86.8	161.2

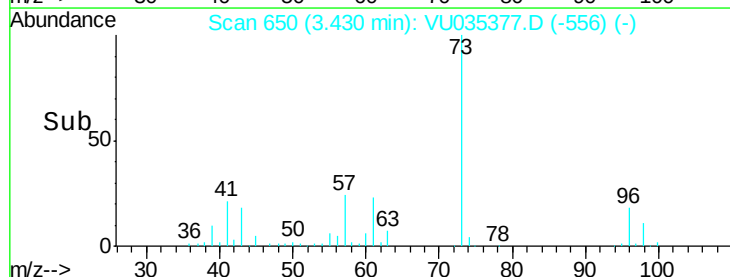
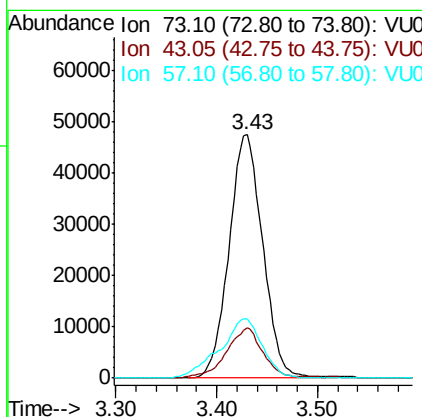
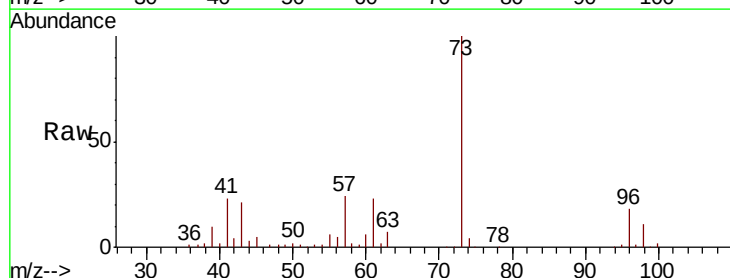
Manual Integrations
APPROVED

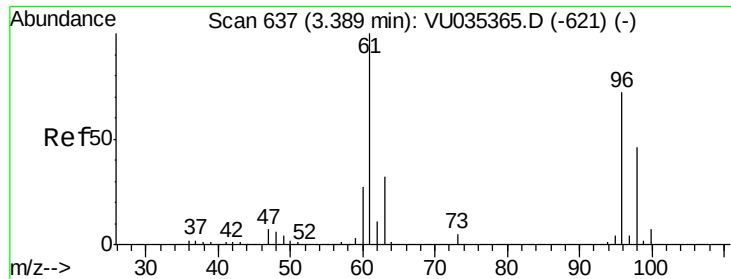
MMDadoda
10/23/2019 11:32:12 AM



#17
Methyl tert-butyl Ether
Concen: 2.460 ug/L
RT: 3.43 min Scan# 650
Delta R.T. 0.00 min
Lab File: VU035377.D
Acq: 22 Oct 2019 20:52

Tgt Ion	Ratio	Lower	Upper
73	100		
43	22.5	16.0	24.0
57	30.7	17.4	26.2





#18

trans-1,2-Dichloroethene

Concen: 23.723 ug/L

RT: 3.39 min Scan# 638

Delta R.T. 0.00 min

Lab File: VU035377.D

Acq: 22 Oct 2019 20:52

Instrument :

MSVOA_U

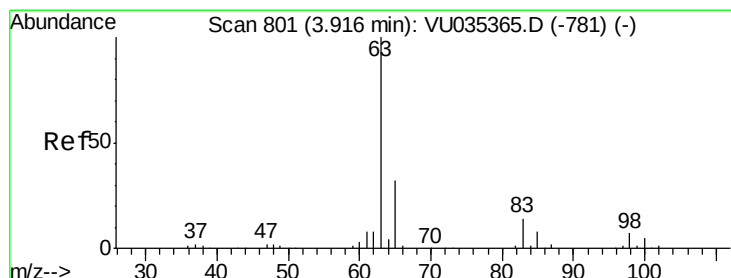
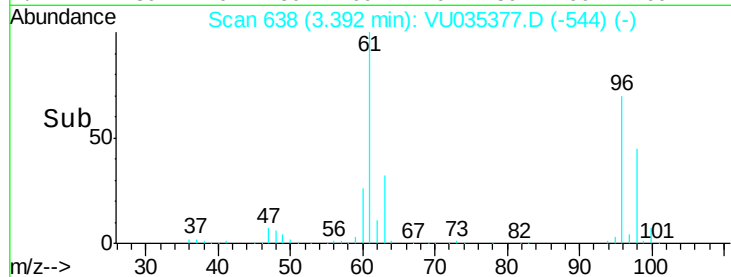
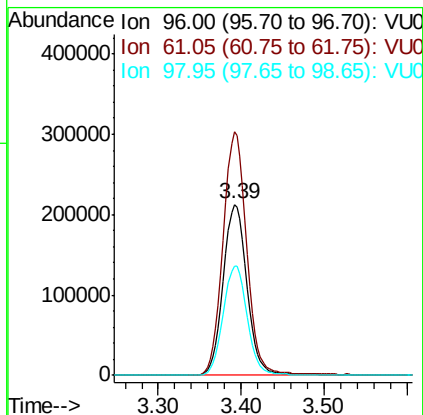
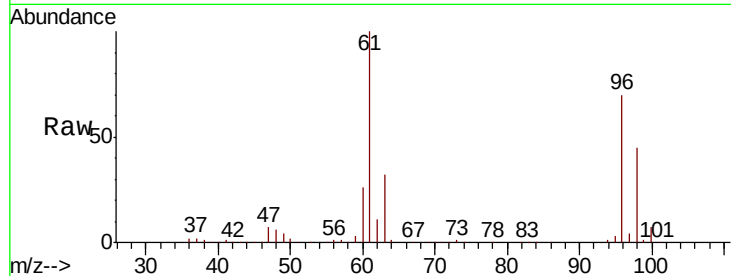
ClientSampled :

H0FZ2

Tot Ion:	96	Resp:	426906
Ion	Ratio	Lower	Upper
96	100		
61	142.3	93.0	172.6
98	63.8	43.7	81.1

Manual Integrations
APPROVED

MMDadoda
10/23/2019 11:32:12 AM



#19

1,1-Dichloroethane

Concen: 1.628 ug/L

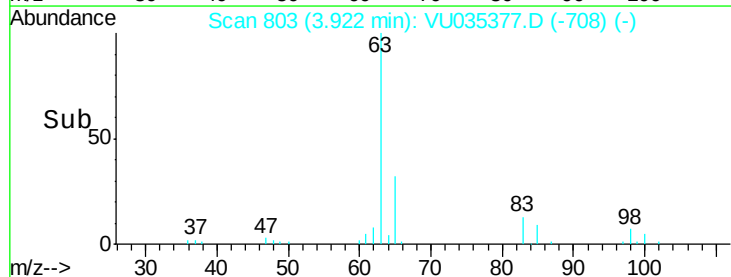
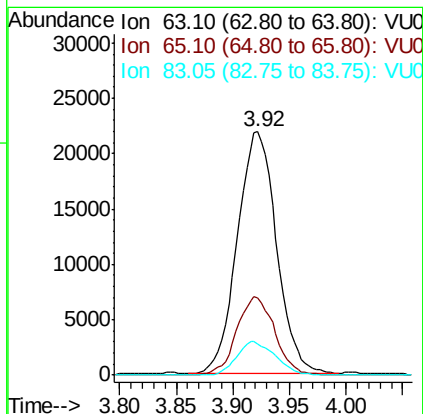
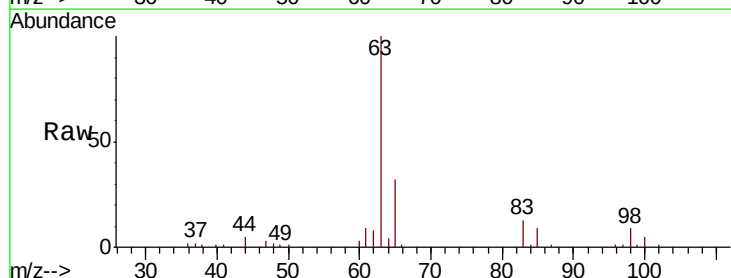
RT: 3.92 min Scan# 803

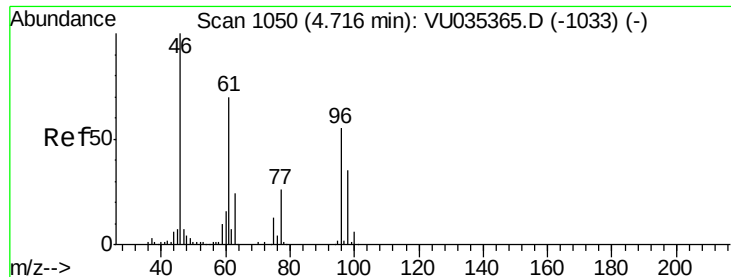
Delta R.T. 0.01 min

Lab File: VU035377.D

Acq: 22 Oct 2019 20:52

Tgt Ion:	63	Resp:	52995
Ion	Ratio	Lower	Upper
63	100		
65	31.9	22.4	41.6
83	13.0	9.3	17.3





#22

cis-1,2-Dichloroethene

Concen: 461.899 ug/L

RT: 4.72 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VU035377.D

Acq: 22 Oct 2019 20:52

Instrument :

MSVOA_U

ClientSampled :

H0FZ2

Tot Ion: 96 Resp: 9187403

Ion Ratio Lower Upper

96 100

61 131.8 89.7 166.5

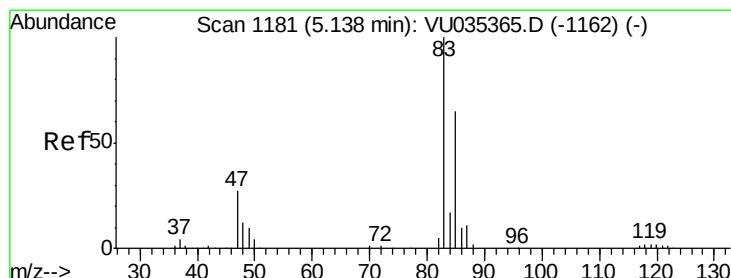
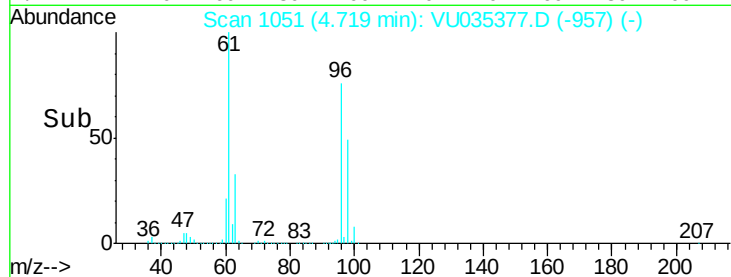
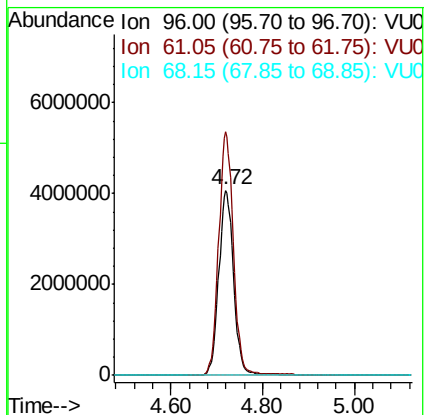
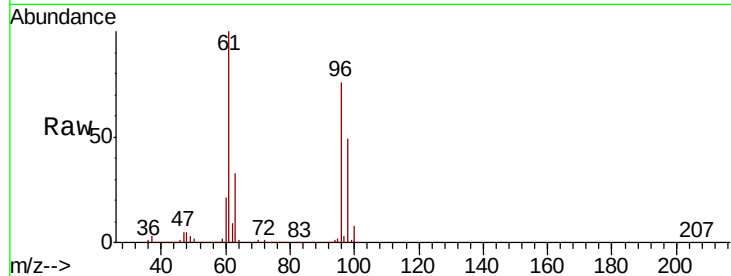
68 0.0 0.0 0.0

Manual Integrations

APPROVED

MMDadoda

10/23/2019 11:32:12 AM



#25

Chloroform

Concen: 0.619 ug/L

RT: 5.14 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VU035377.D

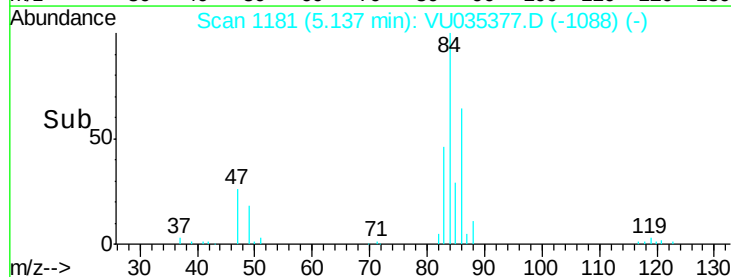
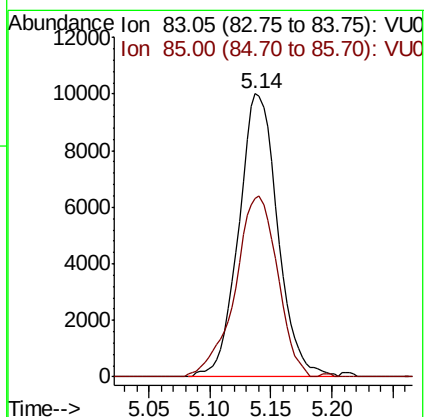
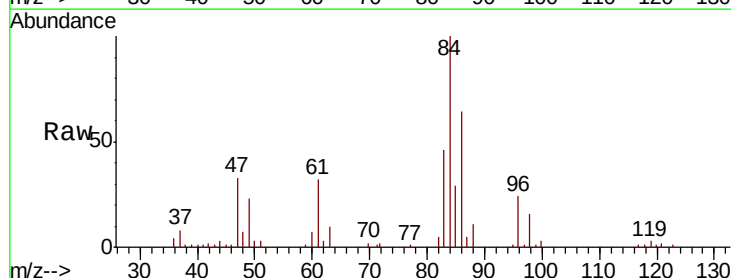
Acq: 22 Oct 2019 20:52

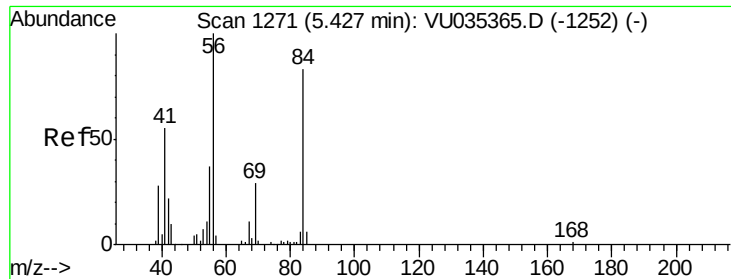
Tgt Ion: 83 Resp: 22103

Ion Ratio Lower Upper

83 100

85 63.2 45.1 83.9





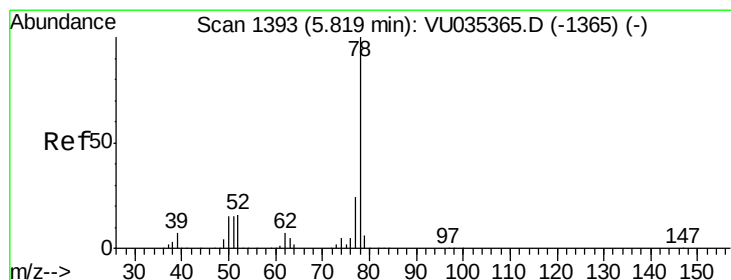
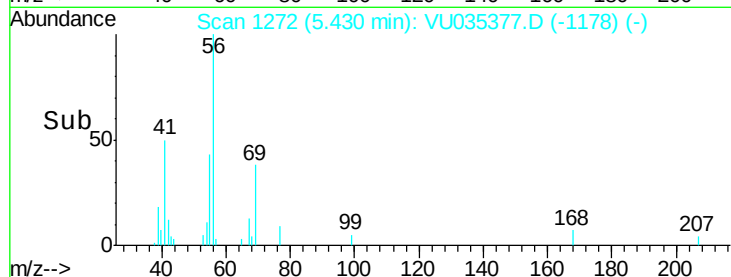
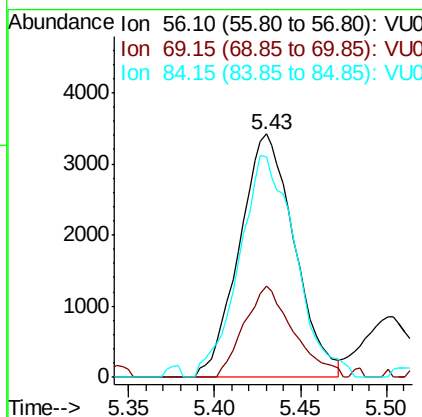
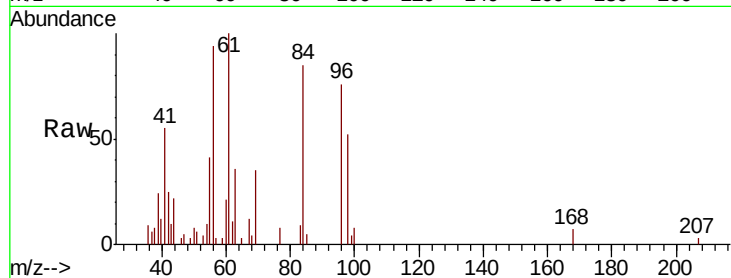
#30
Cyclohexane
Concen: 0.236 ug/L
RT: 5.43 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VU035377.D
Acq: 22 Oct 2019 20:52

Instrument :
MSVOA_U
ClientSampled :
H0FZ2

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.5	24.6	36.8
84	93.5	71.5	107.3

Manual Integrations
APPROVED

MMDadoda
10/23/2019 11:32:12 AM



#33
Benzene
Concen: 0.630 ug/L m
RT: 5.82 min Scan# 1393
Delta R.T. -0.00 min
Lab File: VU035377.D
Acq: 22 Oct 2019 20:52

Tgt Ion: 78 Resp: 47513

