

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU042420\
 Data File : VU037881.D
 Acq On : 24 Apr 2020 19:04
 Operator : JC/MD
 Sample : L2395-15
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0DA0

Manual Integrations
 APPROVED

MMDadoda
 4/28/2020 12:02:34 PM

Quant Time: Apr 25 04:19:25 2020

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042320WMA.M

Quant Title : VOC Analysis

QLast Update : Sat Apr 25 01:13:34 2020

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	619921	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	611790	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	210544	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	244151	45.07	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.14%
7) Chloroethane-d5	1.93	69	197958	47.16	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.32%
11) 1,1-Dichloroethene-d2	2.60	63	2174624	248.04	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	496.08%#
21) 2-Butanone-d5	4.66	46	498595	116.17	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	116.17%
24) Chloroform-d	5.10	84	384553	46.61	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.22%
26) 1,2-Dichloroethane-d4	5.74	65	268330	46.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.94%
32) Benzene-d6	5.76	84	824400	47.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.30%
36) 1,2-Dichloropropane-d6	6.73	67	279295	48.27	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.54%
41) Toluene-d8	7.92	98	761886	47.91	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.82%
43) trans-1,3-Dichloropropene-	8.20	79	139556	46.86	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.72%
47) 2-Hexanone-d5	8.65	63	378978	120.31	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	120.31%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	296200	36.79	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	73.58%
64) 1,2-Dichlorobenzene-d4	12.20	152	278917	68.08	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	136.16%#

Target Compounds

					Ovalue
5) Vinyl chloride	1.62	62	11315	1.840	ug/L # 35
12) 1,1-Dichloroethene	2.60	96	3184063	846.012	ug/L # 71
13) Acetone	2.66	43	11219	4.381	ug/L 100
16) Methylene chloride	3.08	84	1156457	258.591	ug/L 98
17) trans-1,2-Dichloroethene	3.39	96	4746	1.128	ug/L 99
19) 1,1-Dichloroethane	3.91	63	140410	16.552	ug/L 100
20) cis-1,2-Dichloroethene	4.71	96	1182403	256.624	ug/L 100
27) 1,2-Dichloroethane	5.83	62	14439	2.124	ug/L 97
30) 1,1,1-Trichloroethane	5.36	97	5238005	766.647	ug/L 99
34) Trichloroethene	6.57	95	30174643m	6624.815	ug/L
42) Toluene	7.99	91	47363	2.433	ug/L 100
45) 1,1,2-Trichloroethane	8.42	97	55603	12.568	ug/L 97
46) Tetrachloroethene	8.57	164	6561	1.971	ug/L 96
52) Ethylbenzene	9.59	91	53260	2.443	ug/L 99
54) o-xylene	10.11	106	86809	10.813	ug/L 96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU042420\
Data File : VU037881.D
Acq On : 24 Apr 2020 19:04
Operator : JC/MD
Sample : L2395-15
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0DA0

Manual Integrations
APPROVED

MMDadoda
4/28/2020 12:02:34 PM

Quant Time: Apr 25 04:19:25 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042320WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Apr 25 01:13:34 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

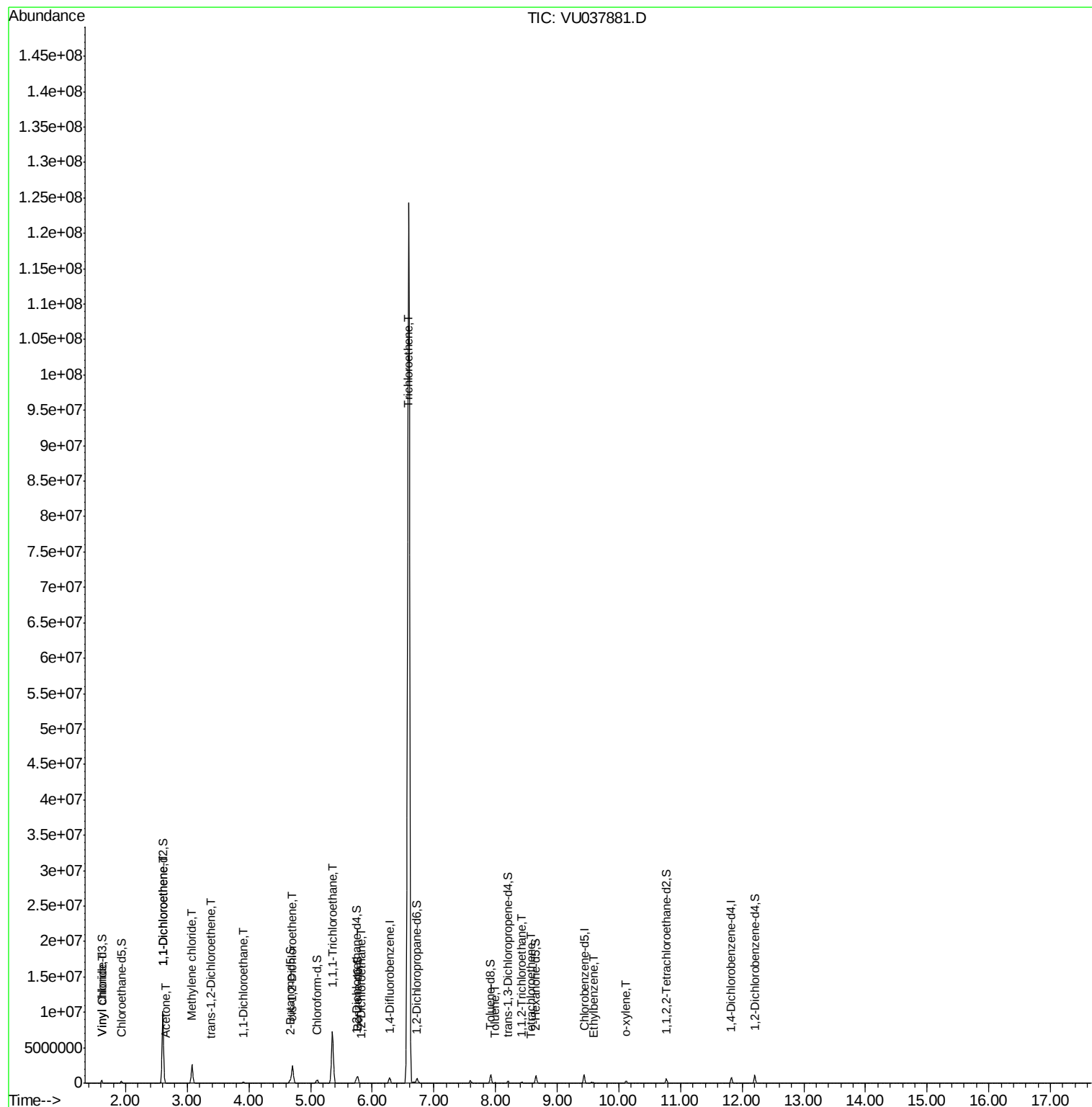
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU042420\
Data File : VU037881.D
Acq On : 24 Apr 2020 19:04
Operator : JC/MD
Sample : L2395-15
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

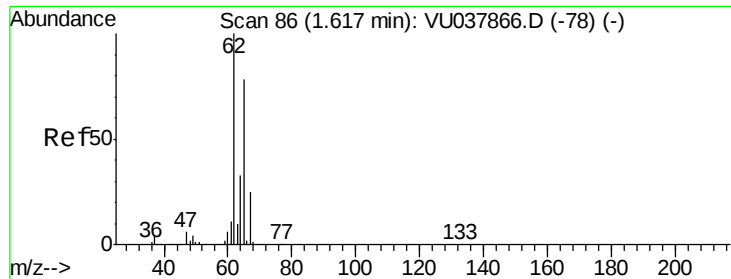
Instrument :
MSVOA_U
ClientSampleId :
C0DA0

Manual Integrations
APPROVED

MMDadoda
4/28/2020 12:02:34 PM

Quant Time: Apr 25 04:19:25 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042320WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Apr 25 01:13:34 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 1.840 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU037881.D

Acq: 24 Apr 2020 19:04

Instrument :

MSVOA_U

ClientSampleId :

C0DA0

Tot Ion: 62 Resp: 11315

Ion Ratio Lower Upper

62 100

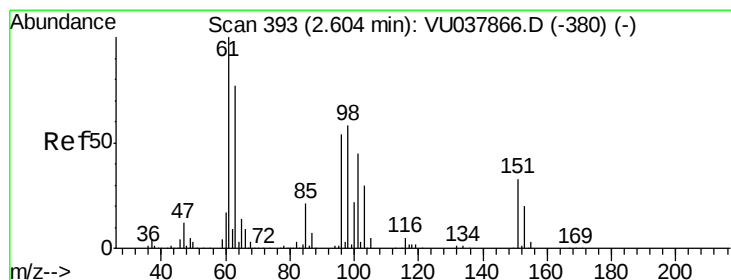
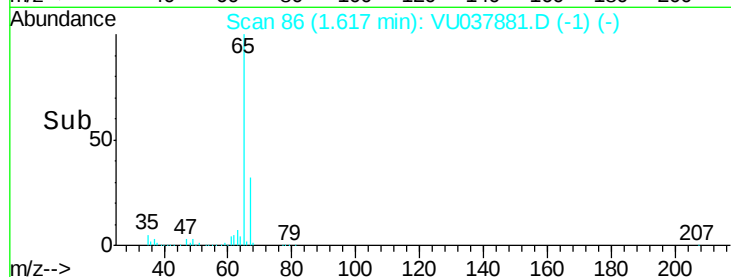
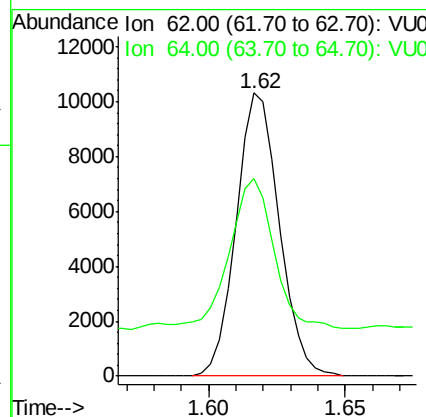
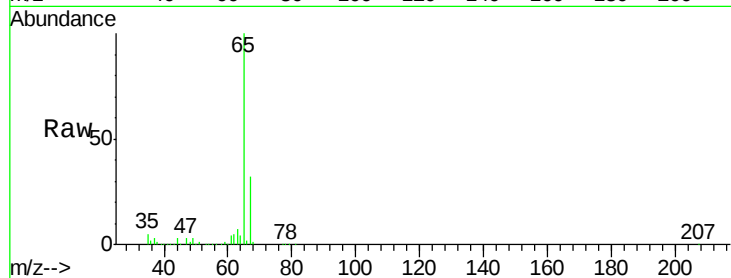
64 69.8 23.2 43.0#

Manual Integrations

APPROVED

MMDadoda

4/28/2020 12:02:34 PM



#12

1,1-Dichloroethene

Concen: 846.012 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU037881.D

Acq: 24 Apr 2020 19:04

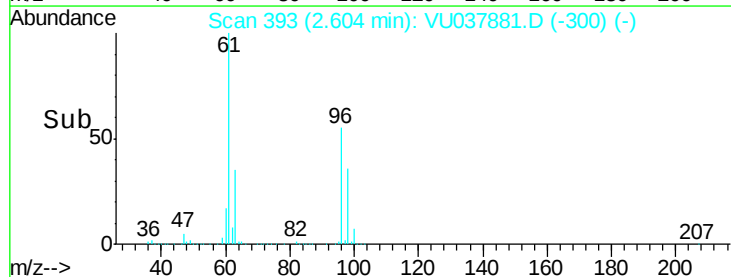
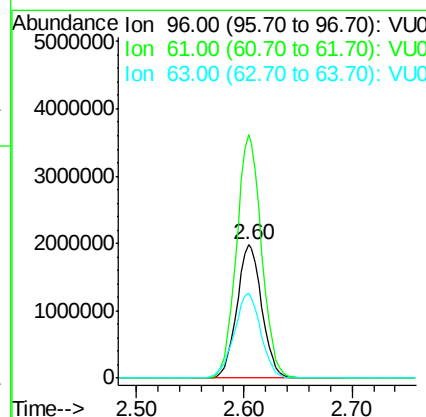
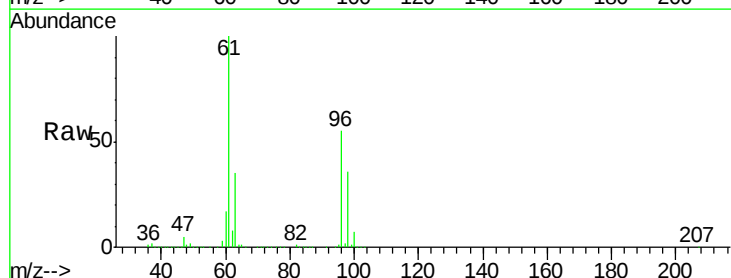
Tgt Ion: 96 Resp: 3184063

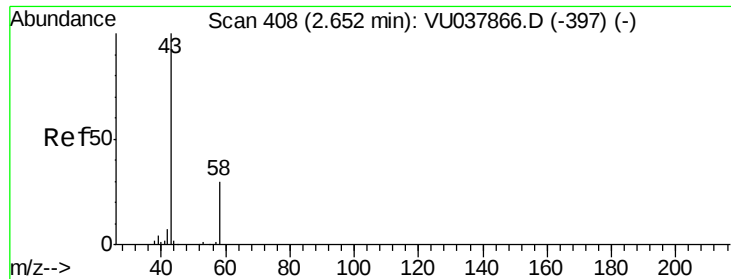
Ion Ratio Lower Upper

96 100

61 182.6 134.1 249.0

63 63.2 96.5 179.1#





#13

Acetone

Concen: 4.381 ug/L

RT: 2.66 min Scan# 409

Delta R.T. 0.00 min

Lab File: VU037881.D

Acq: 24 Apr 2020 19:04

Instrument :

MSVOA_U

ClientSampleId :

C0DA0

Tot Ion: 43 Resp: 11219

Ion Ratio Lower Upper

43 100

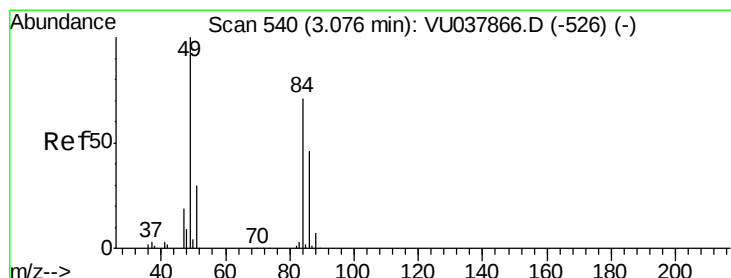
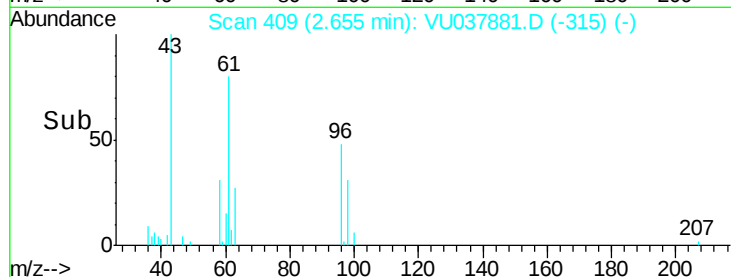
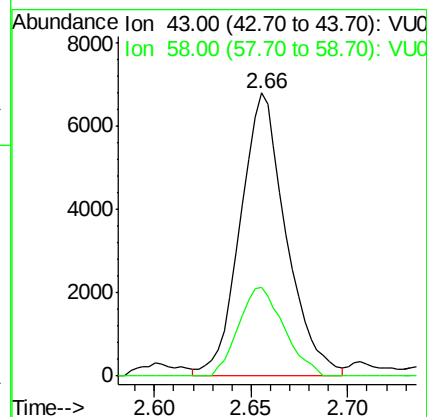
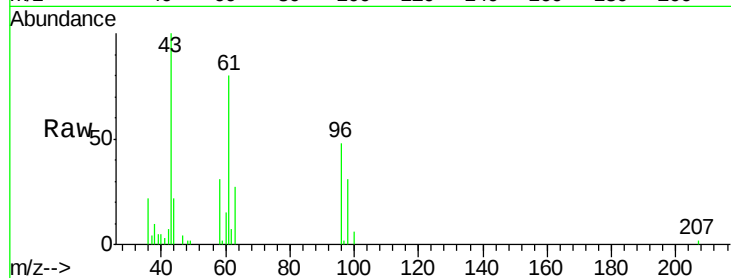
58 31.1 0.0 62.0

Manual Integrations

APPROVED

MMDadoda

4/28/2020 12:02:34 PM



#16

Methylene chloride

Concen: 258.591 ug/L

RT: 3.08 min Scan# 540

Delta R.T. 0.00 min

Lab File: VU037881.D

Acq: 24 Apr 2020 19:04

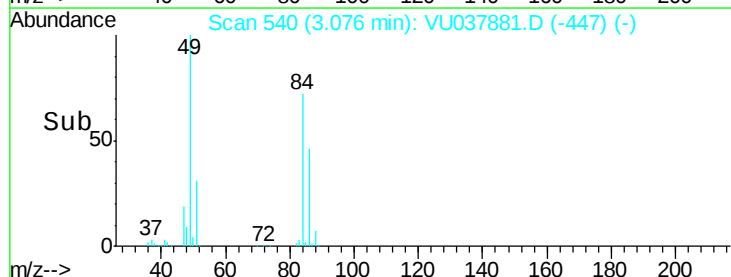
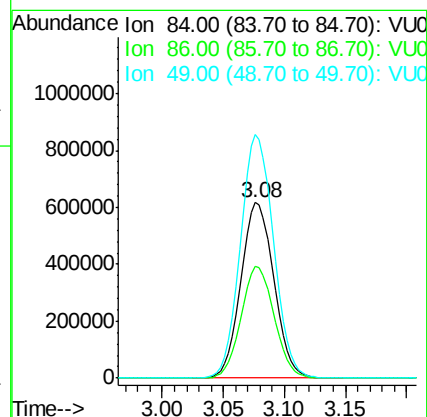
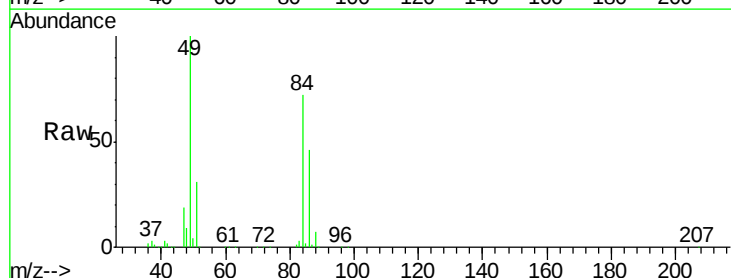
Tgt Ion: 84 Resp: 1156457

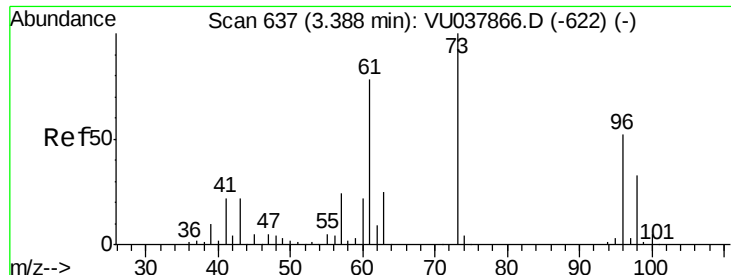
Ion Ratio Lower Upper

84 100

86 63.5 43.5 80.7

49 139.0 95.1 176.7





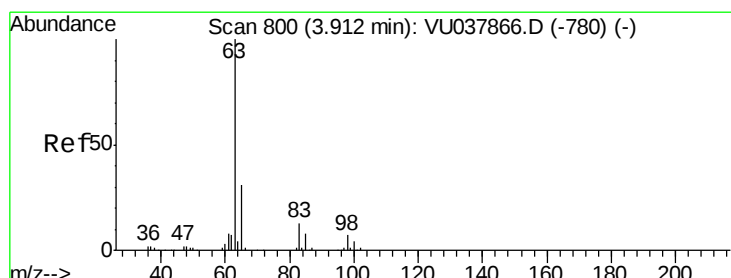
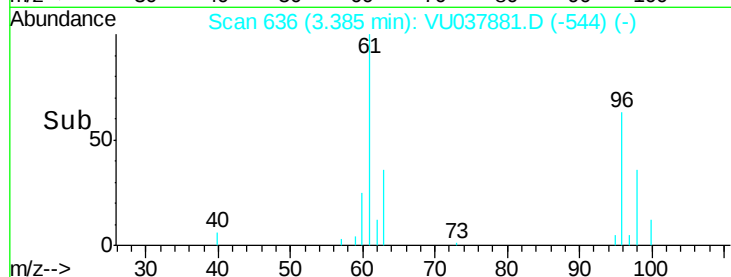
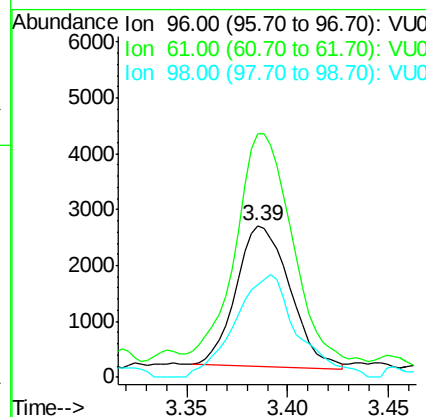
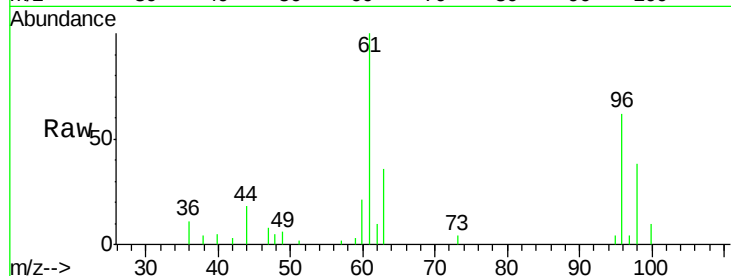
#17
trans-1,2-Dichloroethene
Concen: 1.128 ug/L
RT: 3.39 min Scan# 636
Delta R.T. -0.00 min
Lab File: VU037881.D
Acq: 24 Apr 2020 19:04

Instrument :
MSVOA_U
ClientSampleId :
C0DA0

Tot Ion	Ion	Ratio	Lower	Upper
96	100			
61	160.2	111.4	207.0	
98	60.9	43.9	81.5	

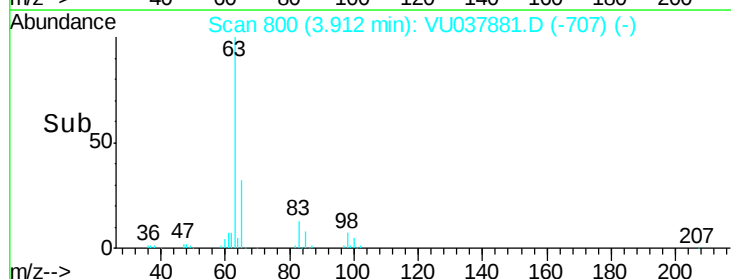
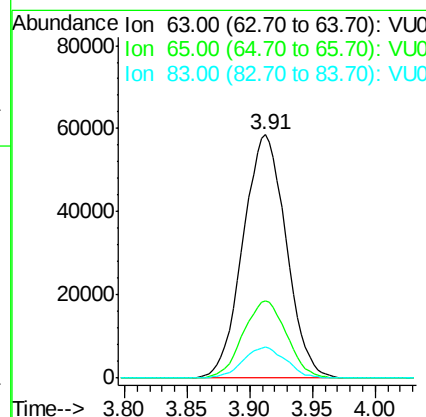
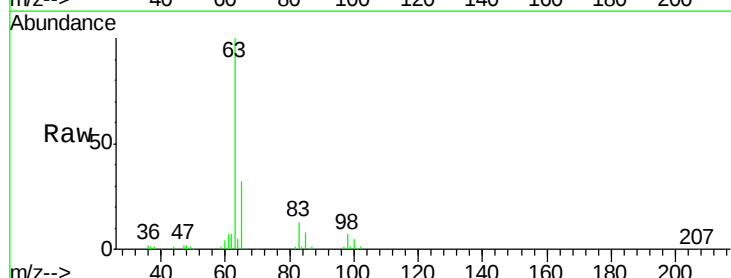
Manual Integrations
APPROVED

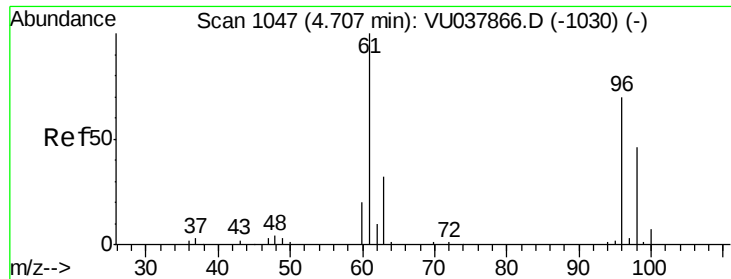
MMDadoda
4/28/2020 12:02:34 PM



#19
1,1-Dichloroethane
Concen: 16.552 ug/L
RT: 3.91 min Scan# 800
Delta R.T. 0.00 min
Lab File: VU037881.D
Acq: 24 Apr 2020 19:04

Tgt Ion	Ion	Ratio	Lower	Upper
63	100			
65	31.7	22.2	41.2	
83	12.6	8.6	16.0	





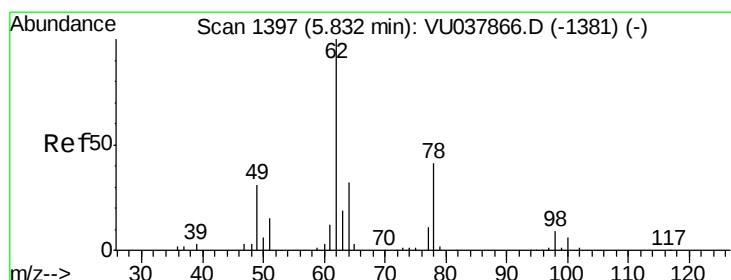
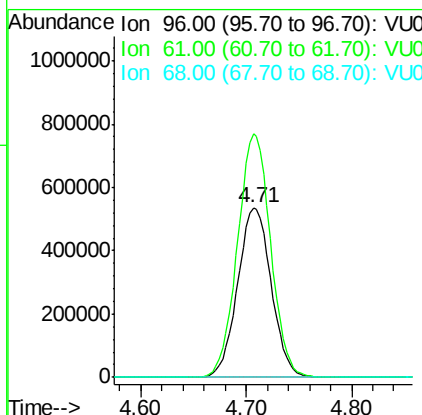
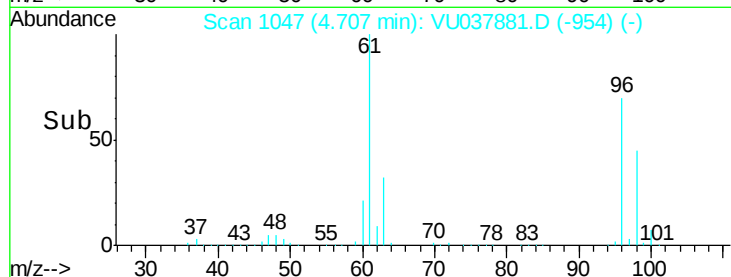
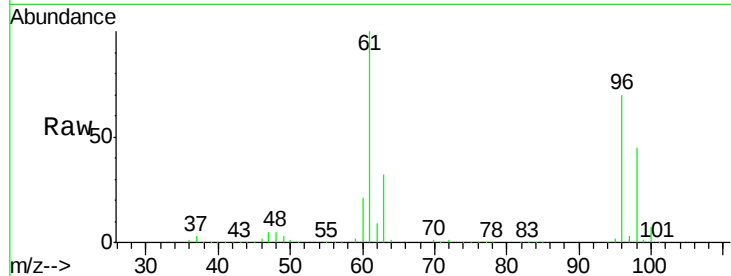
#20
 cis-1,2-Dichloroethene
 Concen: 256.624 ug/L
 RT: 4.71 min Scan# 1047
 Delta R.T. 0.00 min
 Lab File: VU037881.D
 Acq: 24 Apr 2020 19:04

Instrument :
 MSVOA_U
 ClientSampleId :
 C0DA0

Tot Ion	Ion	Ratio	Lower	Upper
96	100			
61	143.2	100.4	186.4	
68	0.0	0.0	0.0	

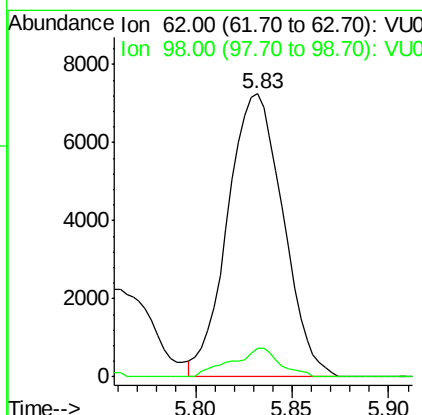
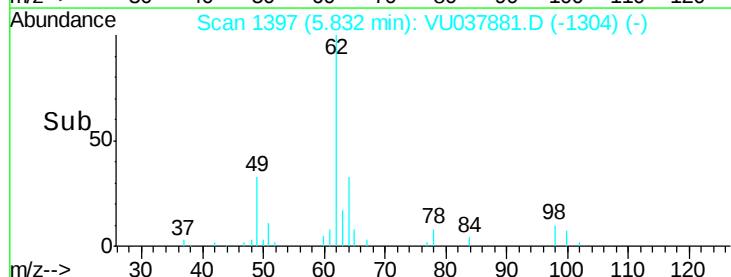
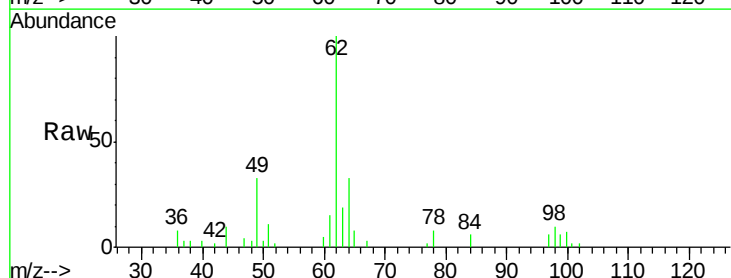
Manual Integrations
 APPROVED

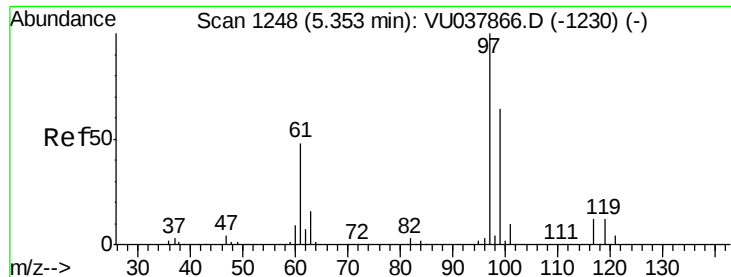
MMDadoda
 4/28/2020 12:02:34 PM



#27
 1,2-Dichloroethane
 Concen: 2.124 ug/L
 RT: 5.83 min Scan# 1397
 Delta R.T. 0.00 min
 Lab File: VU037881.D
 Acq: 24 Apr 2020 19:04

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.2	7.3	10.9	





#30
 1,1,1-Trichloroethane
 Concen: 766.647 ug/L
 RT: 5.36 min Scan# 1249
 Delta R.T. 0.00 min
 Lab File: VU037881.D
 Acq: 24 Apr 2020 19:04

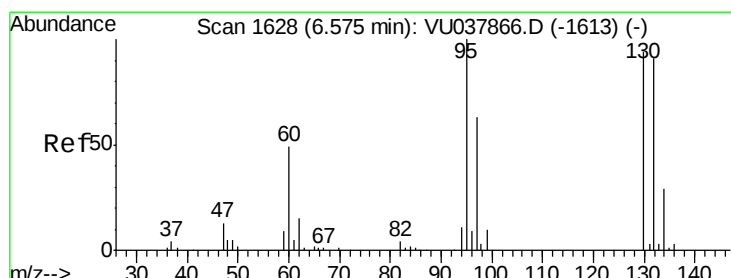
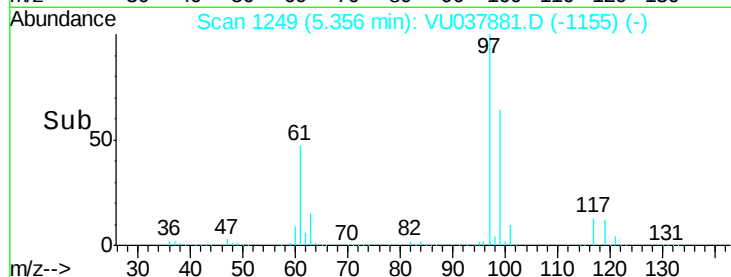
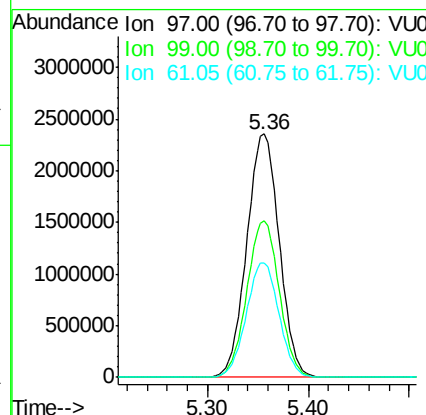
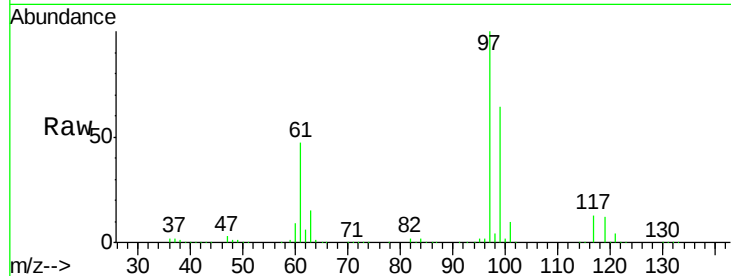
Instrument :
 MSVOA_U
 ClientSampleId :
 C0DA0

Tot Ion: 97 Resp: 5238005

Ion	Ratio	Lower	Upper
97	100		
99	64.1	50.7	76.1
61	47.5	38.9	58.3

Manual Integrations
 APPROVED

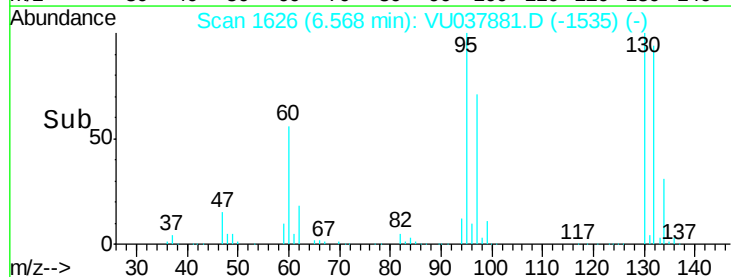
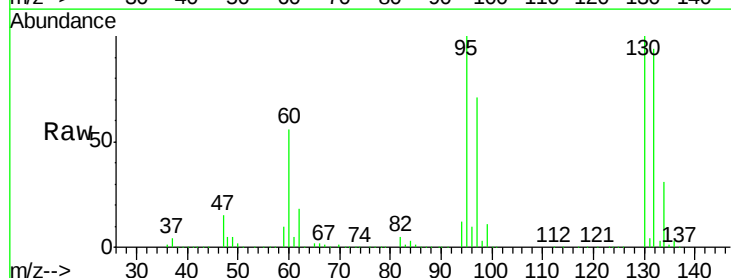
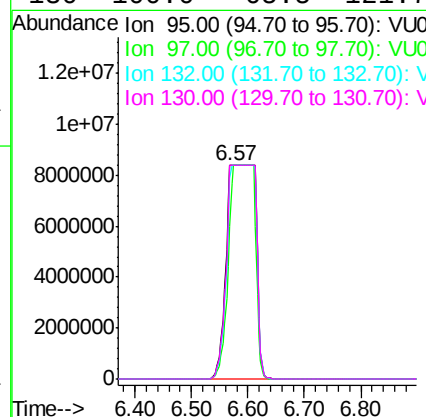
MMDadoda
 4/28/2020 12:02:34 PM

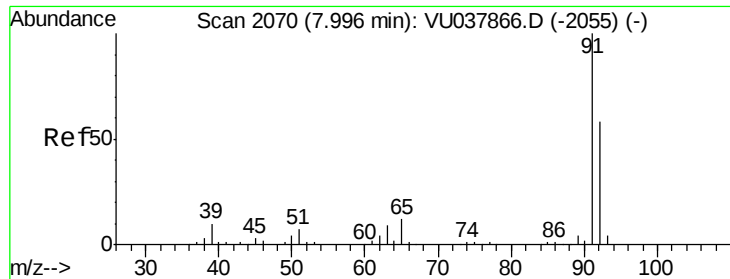


#34
 Trichloroethene
 Concen: 6624.815 ug/L m
 RT: 6.57 min Scan# 1626
 Delta R.T. -0.01 min
 Lab File: VU037881.D
 Acq: 24 Apr 2020 19:04

Tgt Ion: 95 Resp: 30174643

Ion	Ratio	Lower	Upper
95	100		
97	71.2	44.4	82.5
132	94.3	65.0	120.6
130	100.0	65.5	121.7





#42

Toluene

Concen: 2.433 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. -0.00 min

Lab File: VU037881.D

Acq: 24 Apr 2020 19:04

Instrument :

MSVOA_U

ClientSampleId :

C0DA0

Tot Ion: 91 Resp: 47363

Ion Ratio Lower Upper

91 100

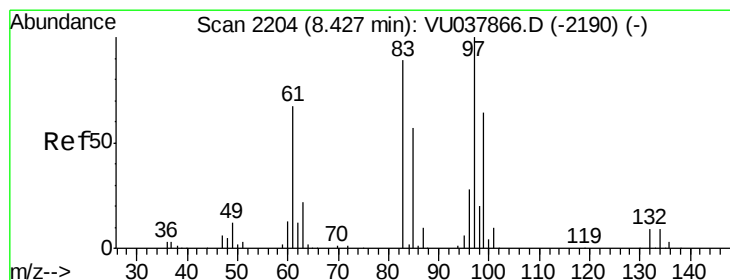
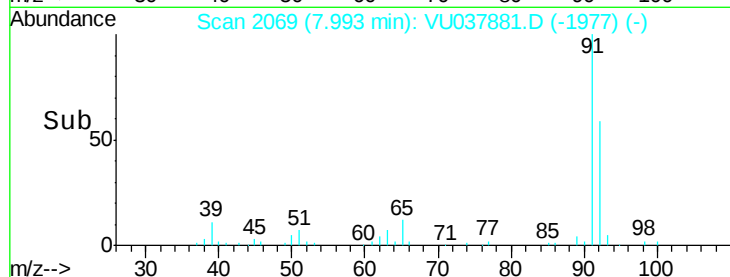
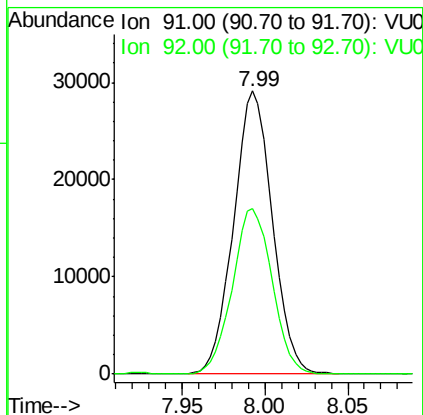
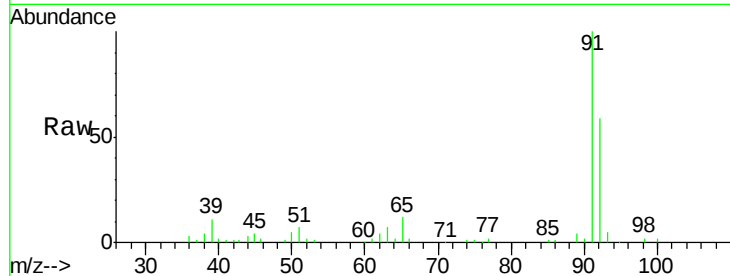
92 58.6 41.2 76.6

Manual Integrations

APPROVED

MMDadoda

4/28/2020 12:02:34 PM



#45

1,1,2-Trichloroethane

Concen: 12.568 ug/L

RT: 8.42 min Scan# 2203

Delta R.T. -0.00 min

Lab File: VU037881.D

Acq: 24 Apr 2020 19:04

Tgt Ion: 97 Resp: 55603

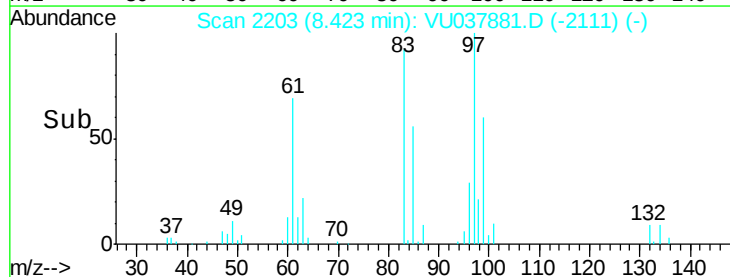
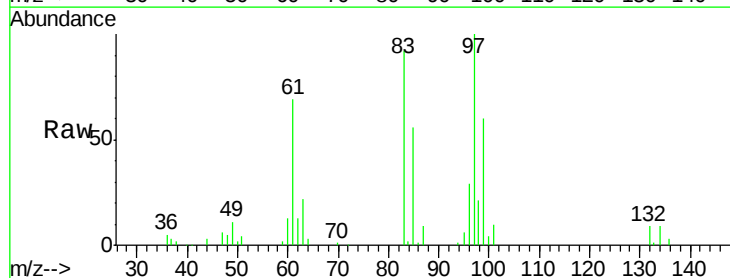
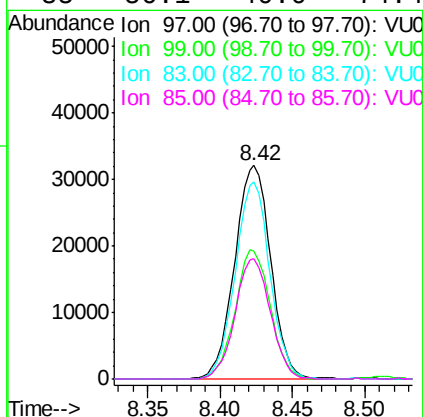
Ion Ratio Lower Upper

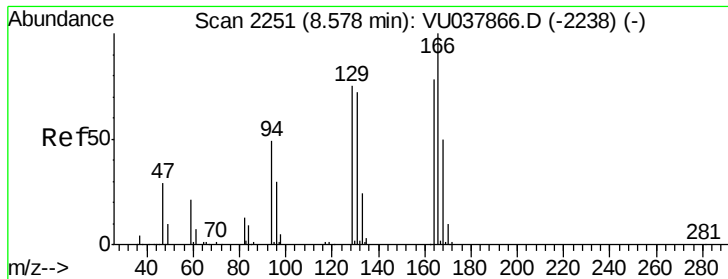
97 100

99 59.8 44.0 81.6

83 92.2 62.6 116.2

85 56.1 40.0 74.4





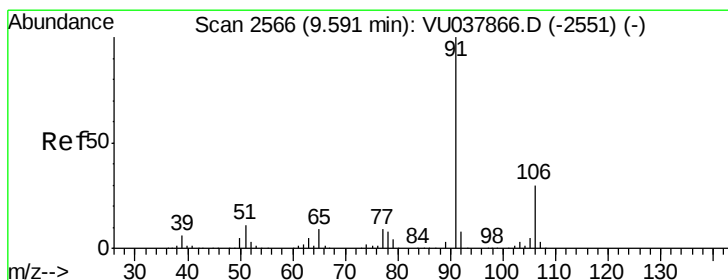
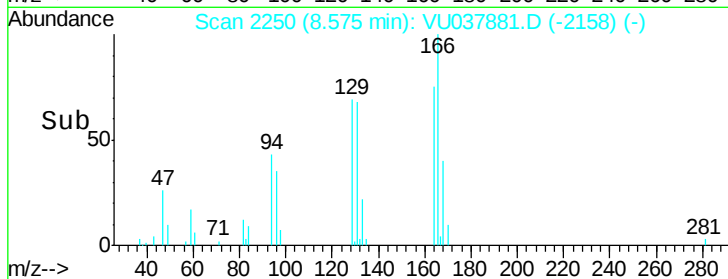
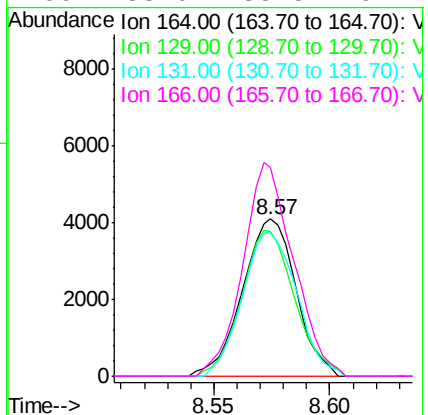
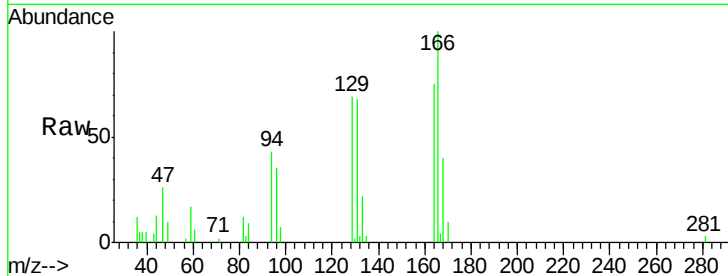
#46
Tetrachloroethene
Concen: 1.971 ug/L
RT: 8.57 min Scan# 2250
Delta R.T. -0.00 min
Lab File: VU037881.D
Acq: 24 Apr 2020 19:04

Instrument :
MSVOA_U
ClientSampled :
C0DA0

Tot Ion	Ratio	Lower	Upper
164	100		
129	91.9	67.3	125.1
131	91.0	64.8	120.4
166	133.0	88.5	164.4

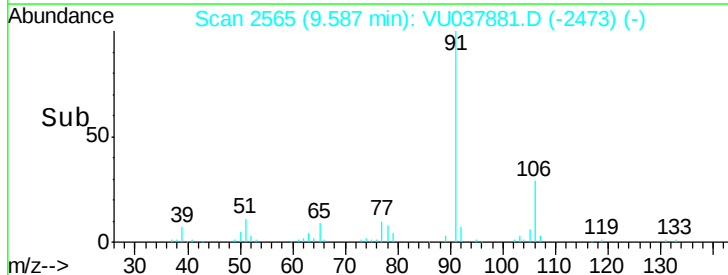
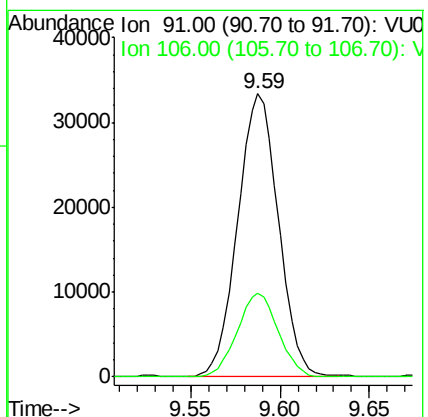
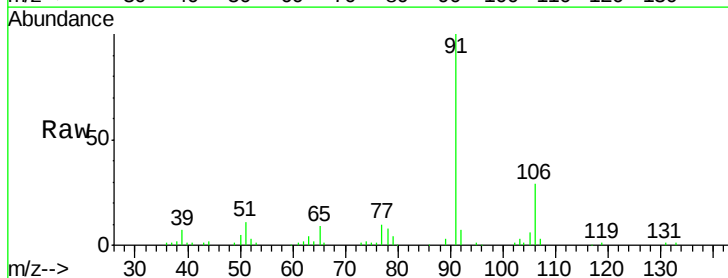
Manual Integrations
APPROVED

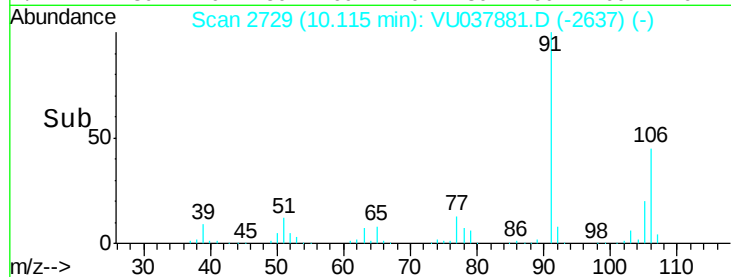
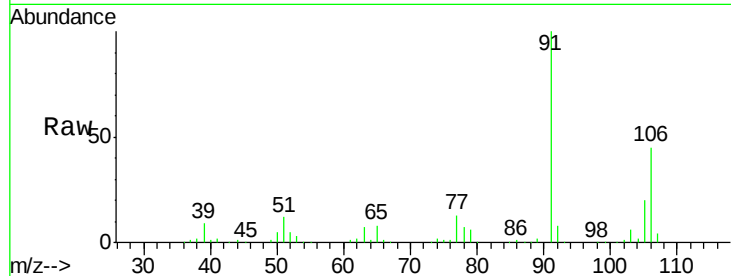
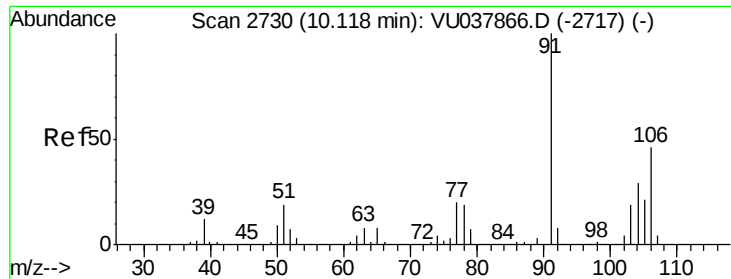
MMDadoda
4/28/2020 12:02:34 PM



#52
Ethylbenzene
Concen: 2.443 ug/L
RT: 9.59 min Scan# 2565
Delta R.T. -0.00 min
Lab File: VU037881.D
Acq: 24 Apr 2020 19:04

Tgt Ion	Ratio	Lower	Upper
91	100		
106	29.5	21.1	39.1





#54
o-xylene
Concen: 10.813 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. -0.00 min
Lab File: VU037881.D
Acq: 24 Apr 2020 19:04

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	221.6	150.6	279.6		

Instrument :
MSVOA_U
ClientSampleId :
C0DA0

Manual Integrations
APPROVED

MMDadoda
4/28/2020 12:02:34 PM

