

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU042920\
 Data File : VU037919.D
 Acq On : 29 Apr 2020 18:06
 Operator : JC/MD
 Sample : L2410-17MS
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 DBFF4MS

Manual Integrations
 APPROVED

apatel
 5/4/2020 10:18:08 AM

Quant Time: Apr 30 03:44:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Apr 30 01:17:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	669672	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	652280	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	308140	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	206731	35.33	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	70.66%
7) Chloroethane-d5	1.93	69	194675m	42.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	85.86%
11) 1,1-Dichloroethene-d2	2.59	63	401398	42.38	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.76%
21) 2-Butanone-d5	4.66	46	444409	95.86	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	95.86%
24) Chloroform-d	5.10	84	413840	46.43	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.86%
26) 1,2-Dichloroethane-d4	5.74	65	290111	47.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.02%
32) Benzene-d6	5.76	84	853302	46.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.52%
36) 1,2-Dichloropropane-d6	6.72	67	292569	47.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.84%
41) Toluene-d8	7.92	98	770142	45.43	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.86%
43) trans-1,3-Dichloropropene-	8.20	79	137044	43.16	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.32%
47) 2-Hexanone-d5	8.65	63	335427	99.87	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.87%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	424679	49.47	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.94%
64) 1,2-Dichlorobenzene-d4	12.20	152	291504	48.62	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.24%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	2.60	96	205150	50.459	ug/L	89
13) Acetone	2.65	43	20356	7.359	ug/L	96
27) 1,2-Dichloroethane	5.83	62	25064	3.413	ug/L #	92
29) Cyclohexane	5.42	56	32908	3.606	ug/L	97
33) Benzene	5.81	78	1047739	52.922	ug/L	100
34) Trichloroethene	6.57	95	245095	50.470	ug/L	98
35) Methylcyclohexane	6.79	83	24566	2.889	ug/L	96
42) Toluene	7.99	91	1085734	52.306	ug/L	100
46) Tetrachloroethene	8.57	164	502812	141.657	ug/L	99
51) Chlorobenzene	9.47	112	663432	51.384	ug/L	99
53) m,p-Xylene	9.71	106	29012	3.315	ug/L	92
54) o-xylene	10.12	106	39203	4.580	ug/L	99

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

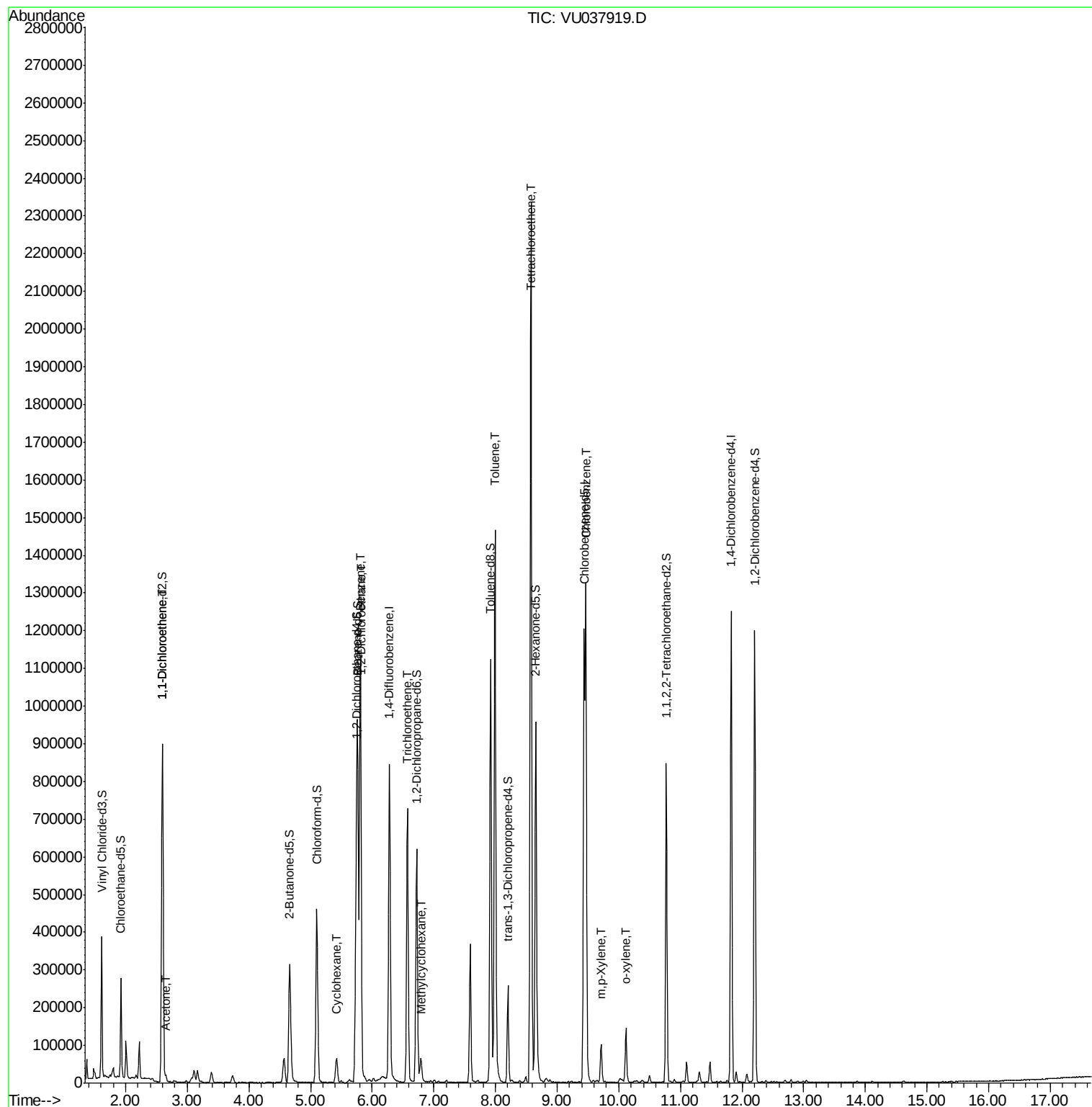
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU042920\
Data File : VU037919.D
Acq On : 29 Apr 2020 18:06
Operator : JC/MD
Sample : L2410-17MS
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 20 Sample Multiplier: 1

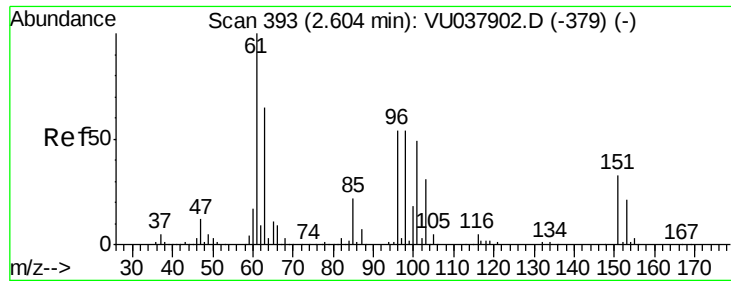
Instrument :
MSVOA_U
ClientSampleId :
DBFF4MS

Manual Integrations
APPROVED

apatel
5/4/2020 10:18:08 AM

Quant Time: Apr 30 03:44:11 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042320WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Apr 30 01:17:58 2020
Response via : Initial Calibration





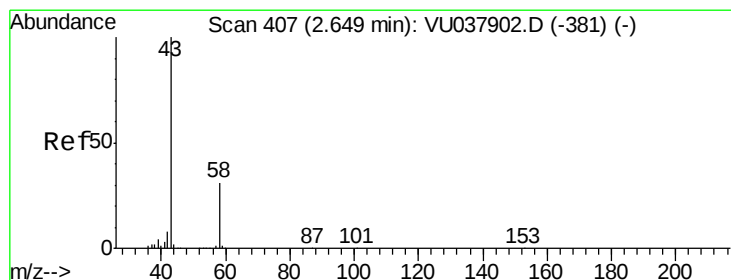
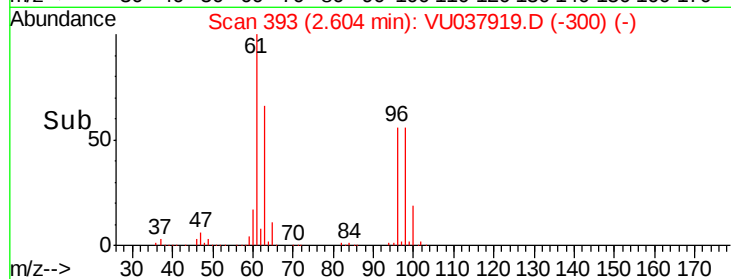
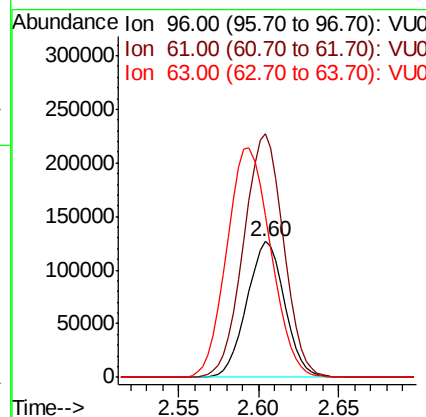
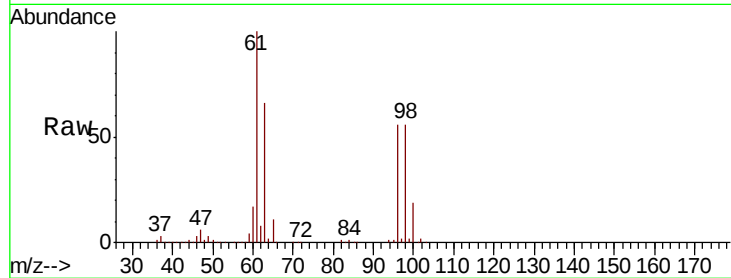
#12
 1,1-Dichloroethene
 Concen: 50.459 ug/L
 RT: 2.60 min Scan# 393
 Delta R.T. -0.00 min
 Lab File: VU037919.D
 Acq: 29 Apr 2020 18:06

Instrument :
 MSVOA_U
 ClientSampleId :
 DBFF4MS

Tot Ion	Ratio	Lower	Upper
96	100		
61	179.5	134.1	249.0
63	119.1	96.5	179.1

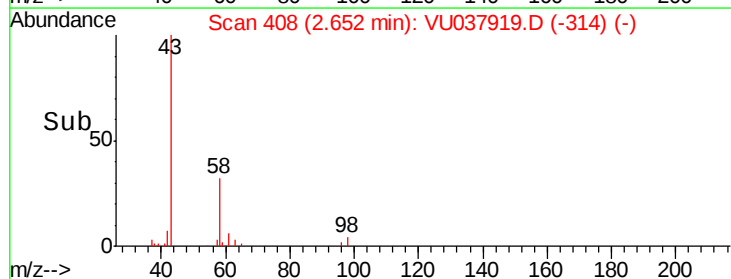
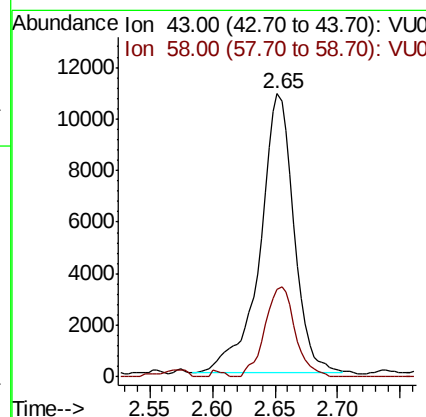
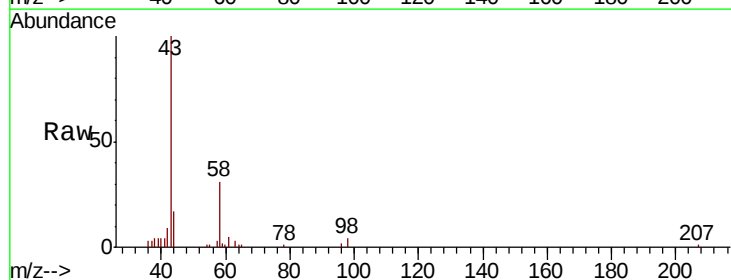
Manual Integrations
 APPROVED

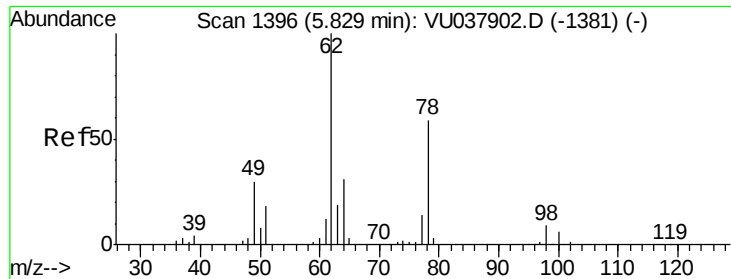
apatel
 5/4/2020 10:18:08 AM



#13
 Acetone
 Concen: 7.359 ug/L
 RT: 2.65 min Scan# 408
 Delta R.T. 0.00 min
 Lab File: VU037919.D
 Acq: 29 Apr 2020 18:06

Tgt Ion	Ratio	Lower	Upper
43	100		
58	28.8	0.0	62.0





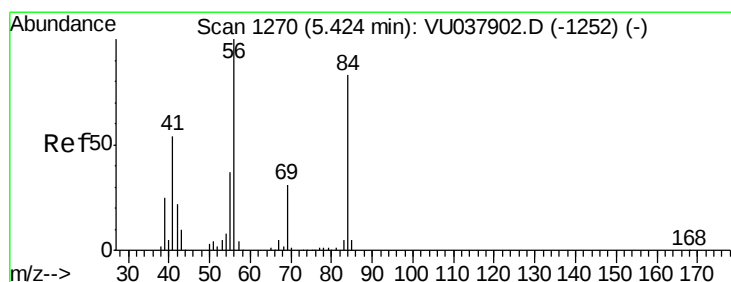
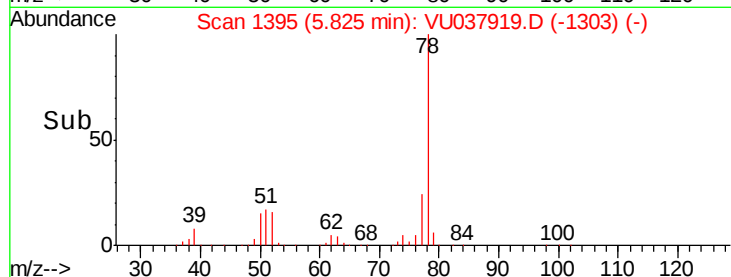
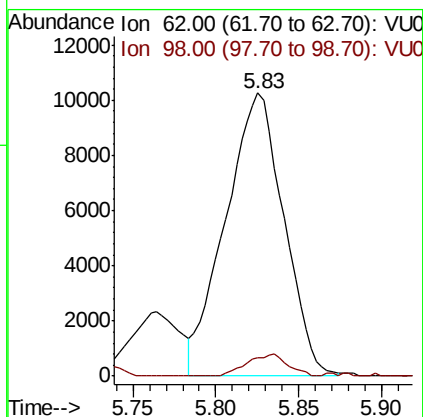
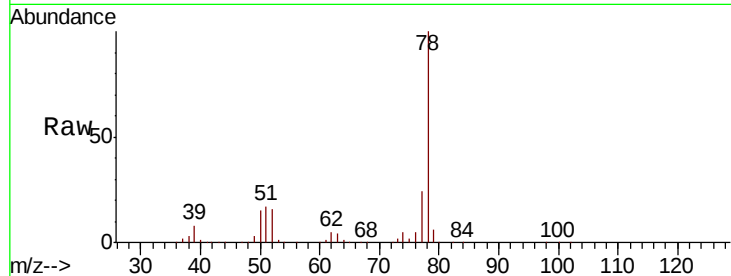
#27
 1,2-Dichloroethane
 Concen: 3.413 ug/L
 RT: 5.83 min Scan# 1395
 Delta R.T. -0.00 min
 Lab File: VU037919.D
 Acq: 29 Apr 2020 18:06

Instrument :
 MSVOA_U
 ClientSampled :
 DBFF4MS

Tot Ion	Ratio	Lower	Upper
62	100		
98	6.3	7.3	10.9#

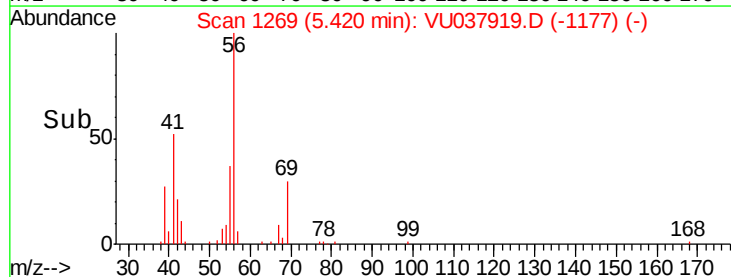
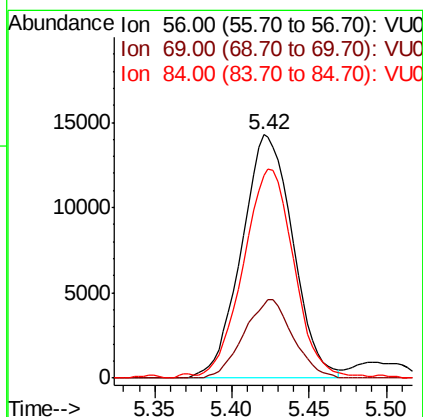
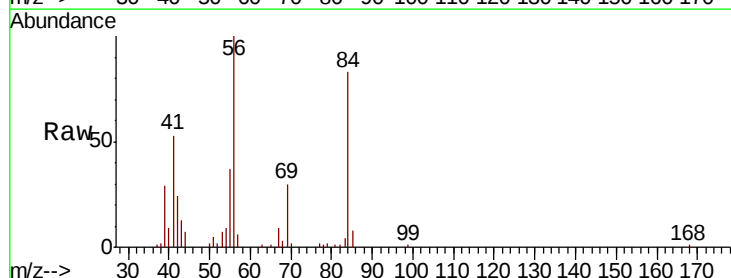
Manual Integrations
 APPROVED

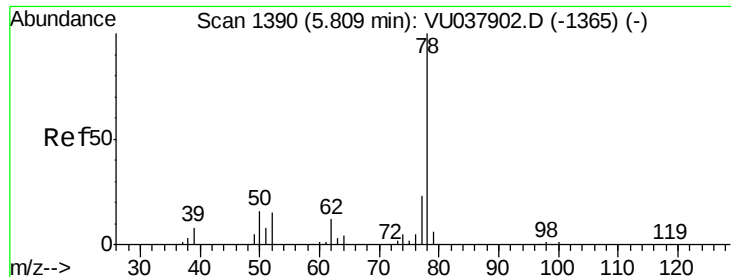
apatel
 5/4/2020 10:18:08 AM



#29
 Cyclohexane
 Concen: 3.606 ug/L
 RT: 5.42 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VU037919.D
 Acq: 29 Apr 2020 18:06

Tgt Ion	Ratio	Lower	Upper
56	100		
69	30.8	22.9	34.3
84	81.9	63.6	95.4





#33

Benzene

Concen: 52.922 ug/L

RT: 5.81 min Scan# 1390

Delta R.T. -0.00 min

Lab File: VU037919.D

Acq: 29 Apr 2020 18:06

Instrument :

MSVOA_U

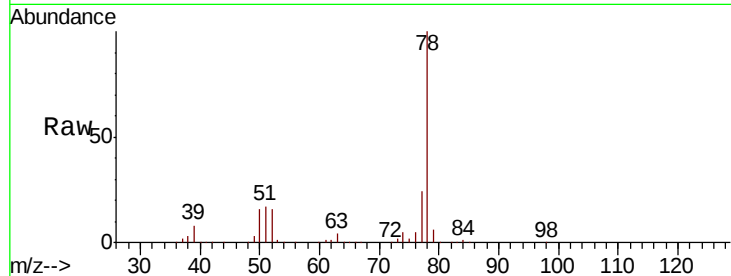
ClientSampled :

DBFF4MS

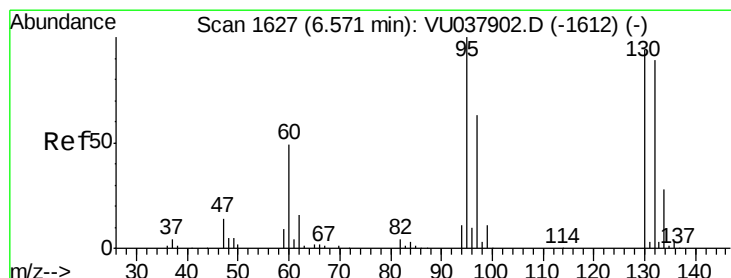
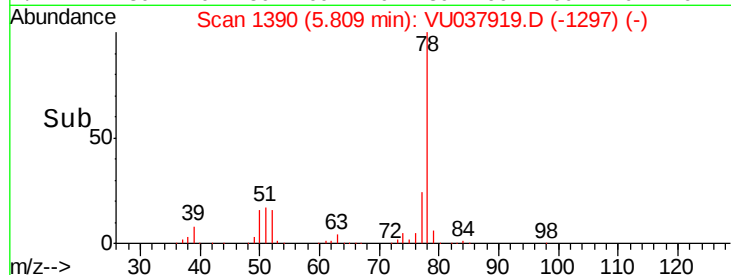
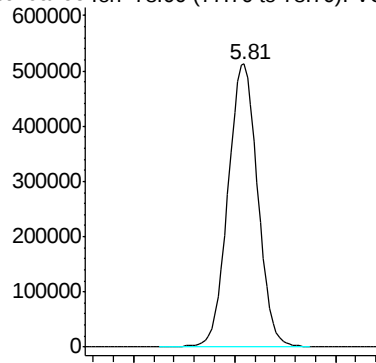
Tgt Ion: 78 Resp: 1047739

Manual Integrations
APPROVED

apatel
5/4/2020 10:18:08 AM



Abundance Ion 78.00 (77.70 to 78.70): VU0



#34

Trichloroethene

Concen: 50.470 ug/L

RT: 6.57 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VU037919.D

Acq: 29 Apr 2020 18:06

Tgt Ion: 95 Resp: 245095

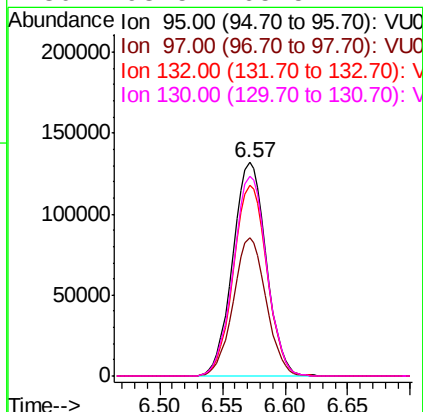
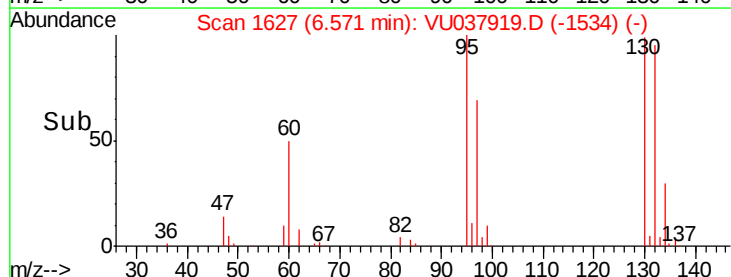
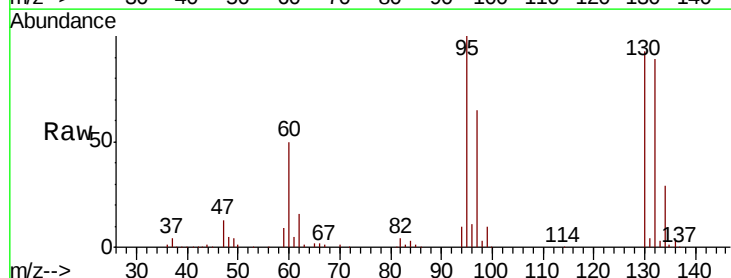
Ion	Ratio	Lower	Upper
95	100		
97	65.0	44.4	82.5
132	89.1	65.0	120.6
130	93.5	65.5	121.7

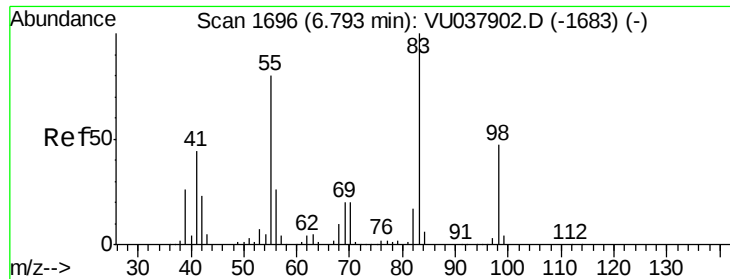
Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V





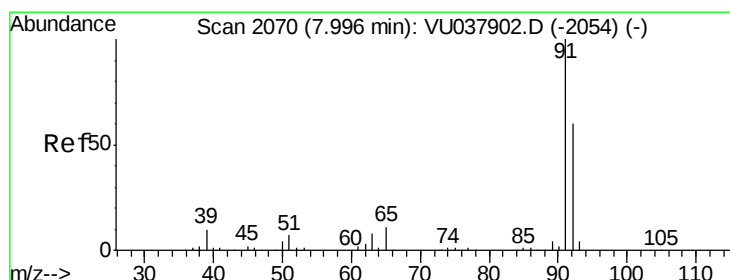
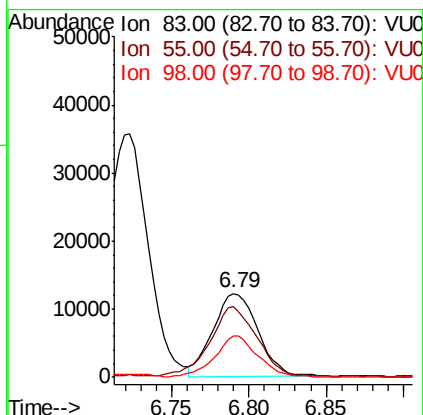
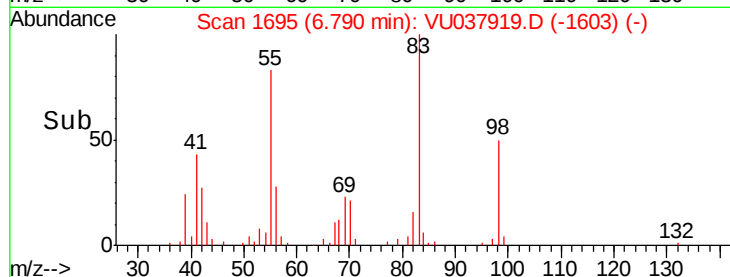
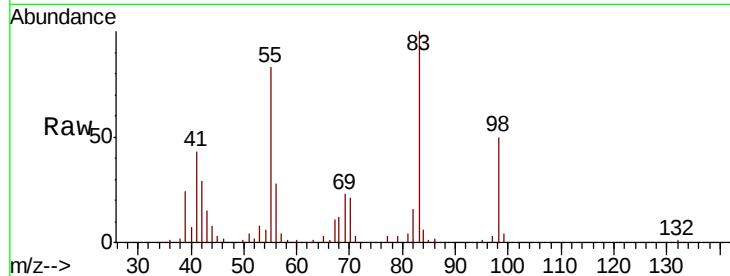
#35
Methvlcvclohexane
Concen: 2.889 ug/L
RT: 6.79 min Scan# 1695
Delta R.T. -0.00 min
Lab File: VU037919.D
Acq: 29 Apr 2020 18:06

Instrument :
MSVOA_U
ClientSampleId :
DBFF4MS

Tot Ion	Ratio	Lower	Upper
83	100		
55	87.2	66.3	99.5
98	48.4	37.4	56.0

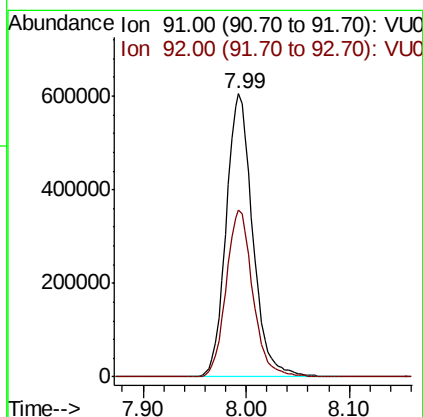
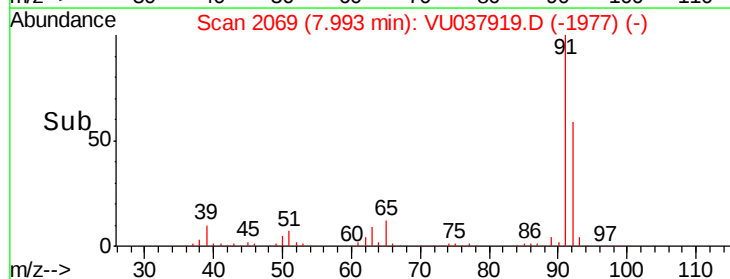
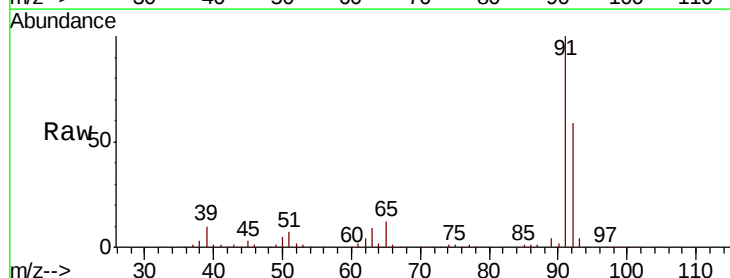
Manual Integrations
APPROVED

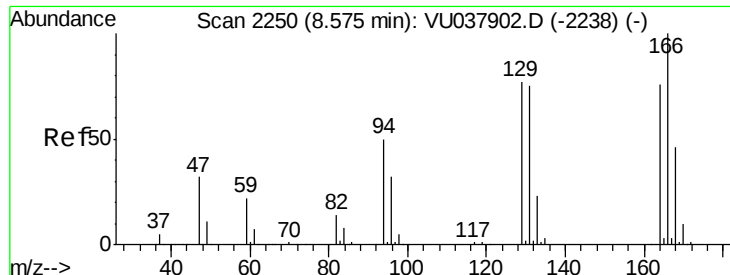
apatel
5/4/2020 10:18:08 AM



#42
Toluene
Concen: 52.306 ug/L
RT: 7.99 min Scan# 2069
Delta R.T. -0.00 min
Lab File: VU037919.D
Acq: 29 Apr 2020 18:06

Tgt Ion	Ratio	Lower	Upper
91	100		
92	59.2	41.2	76.6





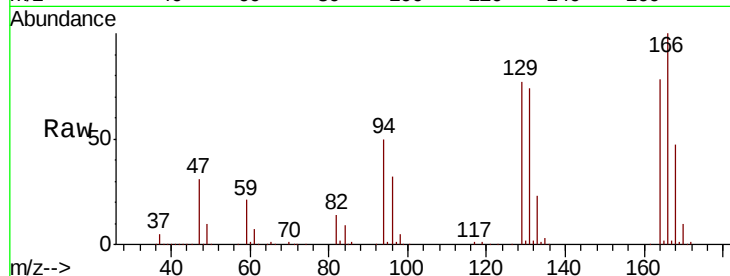
#46
Tetrachloroethene
Concen: 141.657 ug/L
RT: 8.57 min Scan# 2250
Delta R.T. -0.00 min
Lab File: VU037919.D
Acq: 29 Apr 2020 18:06

Instrument :
MSVOA_U
ClientSampled :
DBFF4MS

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
129	97.9	67.3	125.1	
131	94.2	64.8	120.4	
166	127.8	88.5	164.4	

Manual Integrations
APPROVED

apatel
5/4/2020 10:18:08 AM



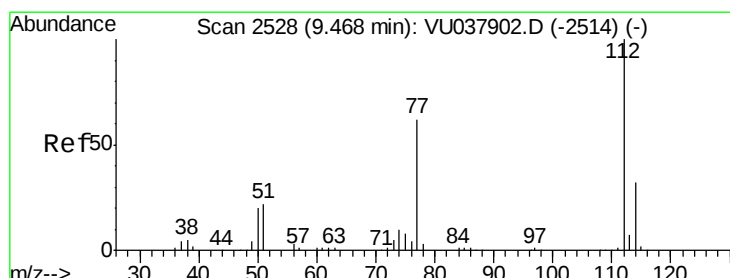
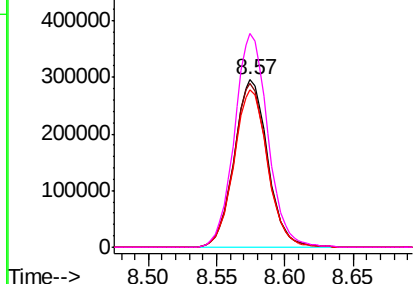
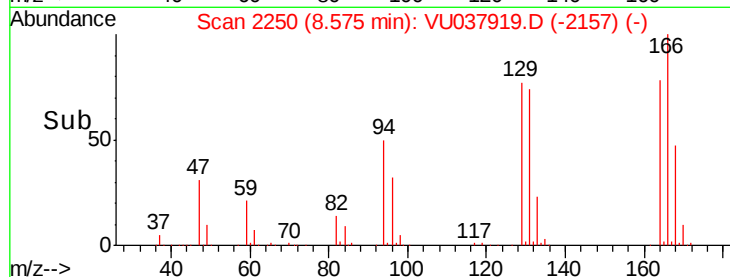
Abundance

Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

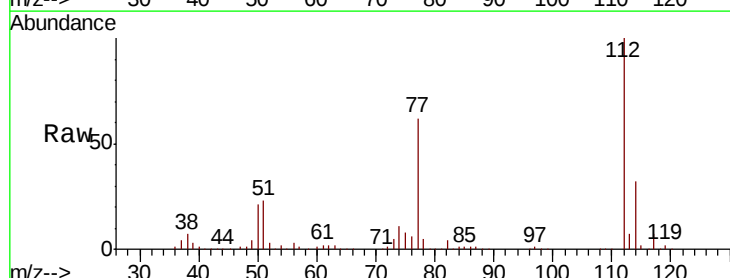
Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#51
Chlorobenzene
Concen: 51.384 ug/L
RT: 9.47 min Scan# 2527
Delta R.T. -0.00 min
Lab File: VU037919.D
Acq: 29 Apr 2020 18:06

Tgt Ion	Ratio	Resp	Lower	Upper
112	100			
114	31.5	22.3	41.3	
77	61.6	49.8	74.6	

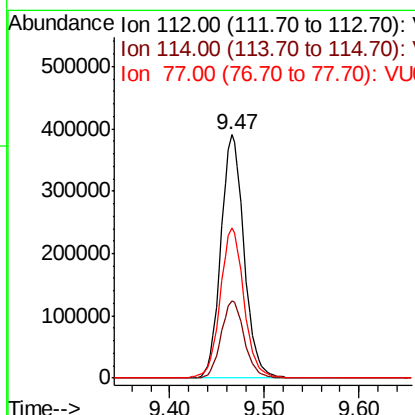
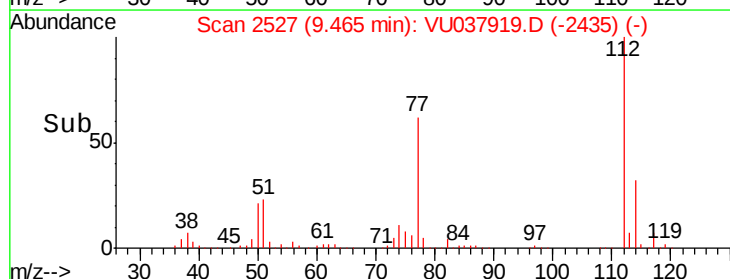


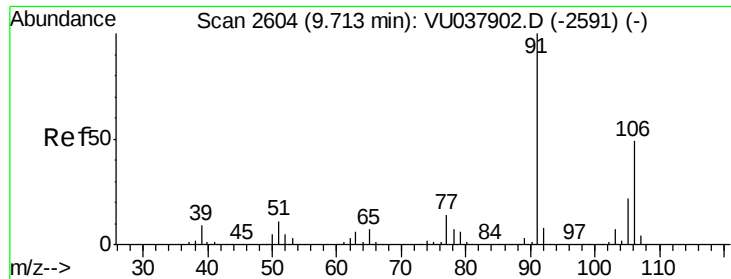
Abundance

Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): V





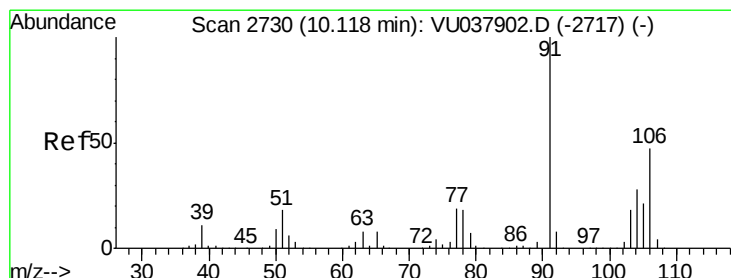
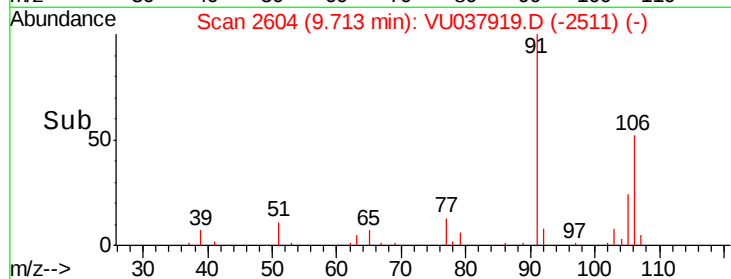
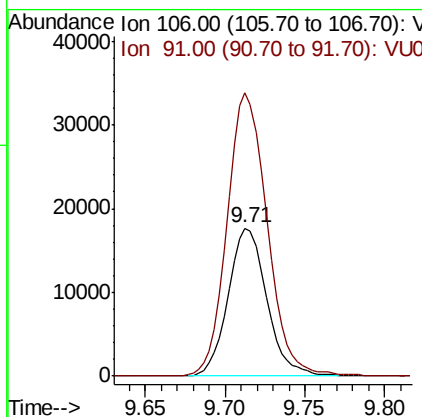
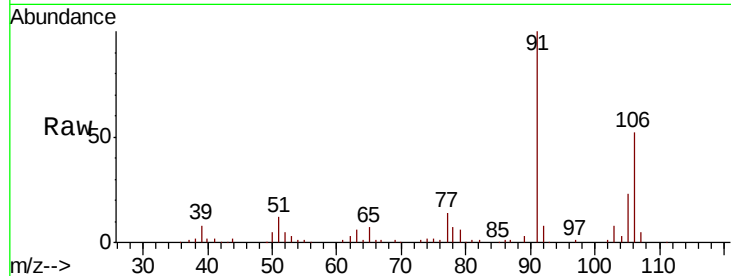
#53
m,p-Xylene
Concen: 3.315 ug/L
RT: 9.71 min Scan# 2604
Delta R.T. -0.00 min
Lab File: VU037919.D
Acq: 29 Apr 2020 18:06

Instrument :
MSVOA_U
ClientSampleId :
DBFF4MS

Tot Ion:106 Resp: 29012
Ion Ratio Lower Upper
106 100
91 191.4 142.8 265.2

Manual Integrations
APPROVED

apatel
5/4/2020 10:18:08 AM



#54
o-xylene
Concen: 4.580 ug/L
RT: 10.12 min Scan# 2730
Delta R.T. -0.00 min
Lab File: VU037919.D
Acq: 29 Apr 2020 18:06

Tgt Ion:106 Resp: 39203
Ion Ratio Lower Upper
106 100
91 213.5 150.6 279.6

