

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U101920\
 Data File : VU040795.D
 Acq On : 19 Oct 2020 11:27
 Operator : SY/MD
 Sample : L4354-23
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ETZ43

Manual Integrations
 APPROVED

MMDadoda
 10/20/2020 4:25:27 PM

Quant Time: Oct 20 01:56:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100820WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Oct 20 01:28:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	119404	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	120450	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	52101	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	55128	5.57	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	111.40%
7) Chloroethane-d5	1.92	69	33835	4.44	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.80%
11) 1,1-Dichloroethene-d2	2.58	63	57168	2.96	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	59.20%#
20) 2-Butanone-d5	4.67	46	192921	60.93	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	121.86%
24) Chloroform-d	5.08	84	86697	4.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.80%
26) 1,2-Dichloroethane-d4	5.72	65	53915	5.10	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.00%
32) Benzene-d6	5.74	84	149372	4.60	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.00%
36) 1,2-Dichloropropane-d6	6.70	67	52273	4.85	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.00%
41) Toluene-d8	7.91	98	111837	3.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	76.80%
43) trans-1,3-Dichloropropene-	8.19	79	17028	3.73	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	74.60%
46) 2-Hexanone-d5	8.64	63	121173	51.47	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.94%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	50692	5.24	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.80%
64) 1,2-Dichlorobenzene-d4	12.19	152	50095	5.19	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.80%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.61	62	2852342	267.711	ug/L	99
12) 1,1-Dichloroethene	2.59	96	4222	0.496	ug/L #	1
13) Acetone	2.68	43	9142m	3.725	ug/L	
14) Carbon disulfide	2.81	76	11446m	0.480	ug/L	
17) Methyl tert-butyl Ether	3.39	73	3894	0.162	ug/L #	88
18) trans-1,2-Dichloroethene	3.37	96	6531	0.732	ug/L	85
22) cis-1,2-Dichloroethene	4.69	96	2580039	268.267	ug/L	98
33) Benzene	5.79	78	3000	0.078	ug/L	100
34) Trichloroethene	6.56	95	26510	2.643	ug/L	98
42) Toluene	7.98	91	2899	0.074	ug/L	98
47) Tetrachloroethene	8.56	164	61180	8.549	ug/L	96
52) Ethylbenzene	9.57	91	1952	0.046	ug/L	97
53) m,p-Xylene	9.70	106	2442	0.157	ug/L	78
54) o-Xylene	10.11	106	1185	0.079	ug/L	91
56) Isopropylbenzene	10.48	105	2451	0.061	ug/L	99
65) 1,2-Dichlorobenzene	12.21	146	2519	0.151	ug/L	92

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Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Oct 20 01:28:45 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

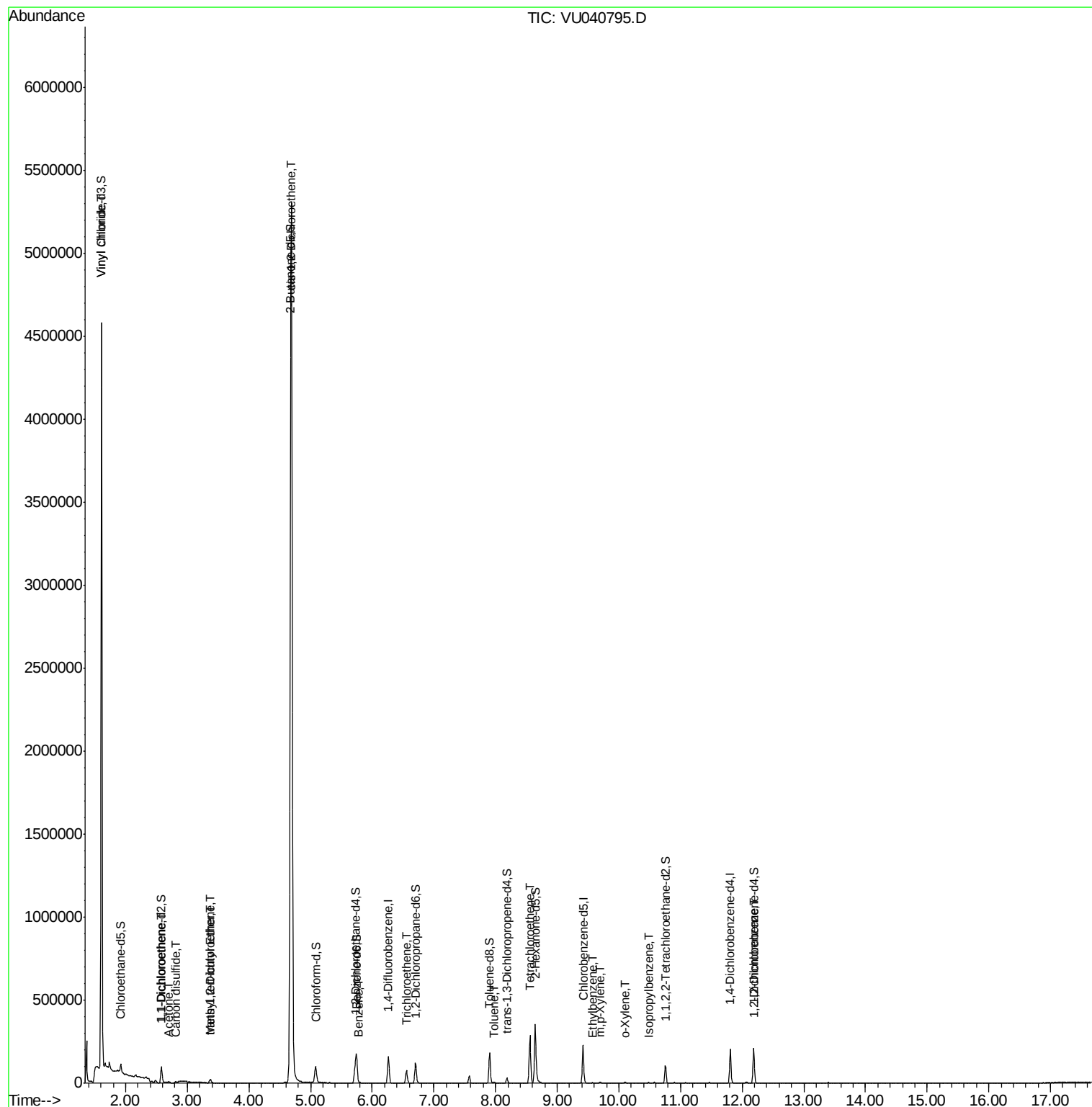
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU101920\
Data File : VU040795.D
Acq On : 19 Oct 2020 11:27
Operator : SY/MD
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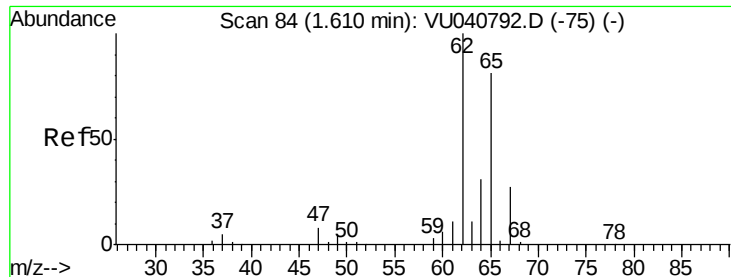
Instrument :
MSVOA_U
ClientSampleId :
ETZ43

Manual Integrations
APPROVED

MMDadoda
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Quant Time: Oct 20 01:56:23 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100820WMA.M
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QLast Update : Tue Oct 20 01:28:45 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 267.711 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU040795.D

Acq: 19 Oct 2020 11:27

Instrument :

MSVOA_U

ClientSampled :

ETZ43

Tot Ion: 62 Resp: 2852342

Ion Ratio Lower Upper

62 100

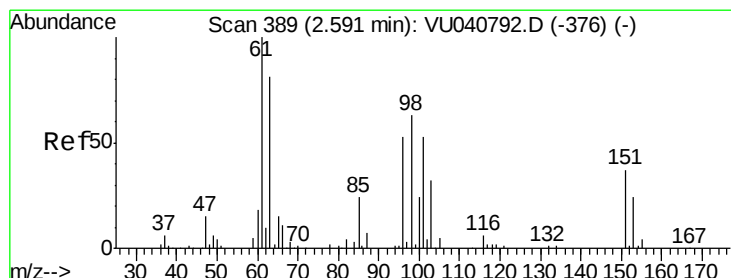
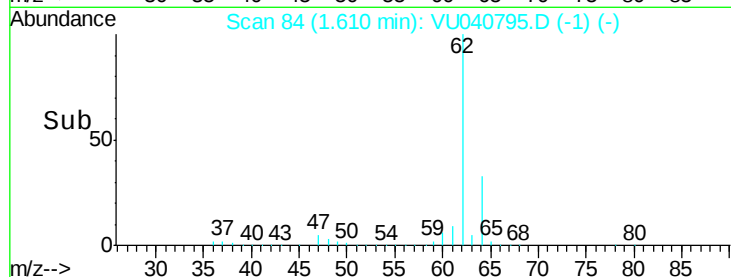
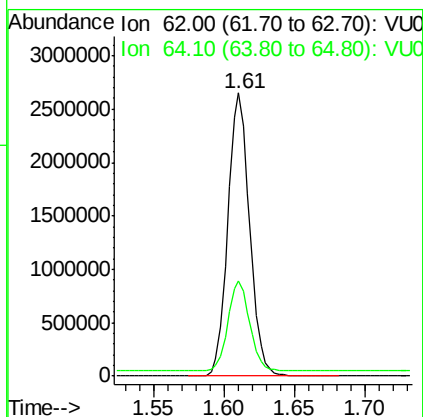
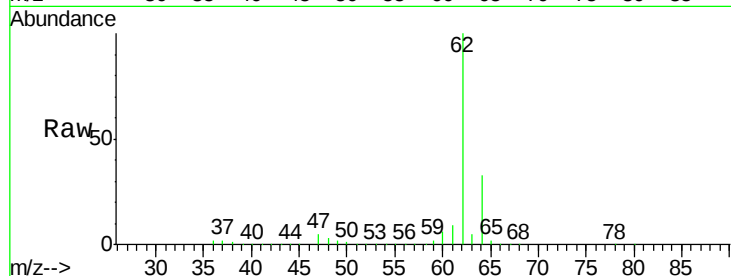
64 33.4 23.7 44.1

Manual Integrations

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#12

1,1-Dichloroethene

Concen: 0.496 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU040795.D

Acq: 19 Oct 2020 11:27

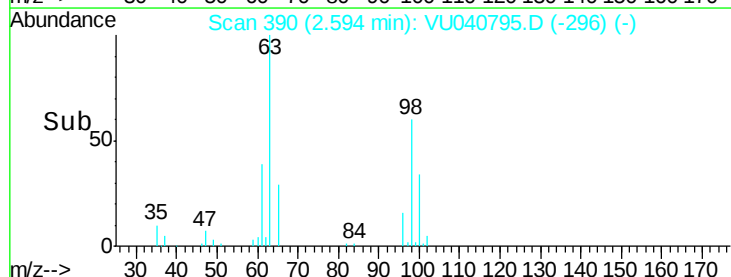
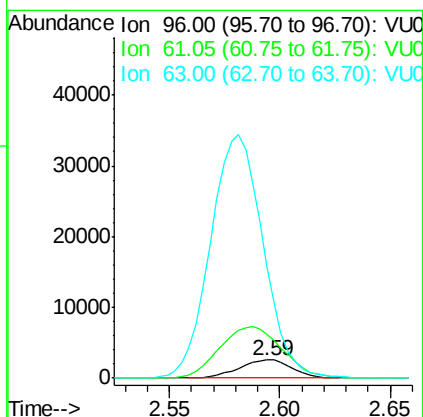
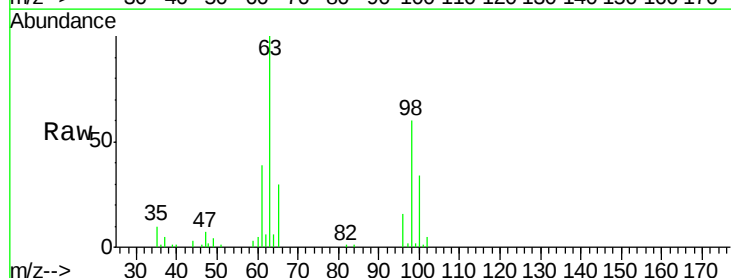
Tgt Ion: 96 Resp: 4222

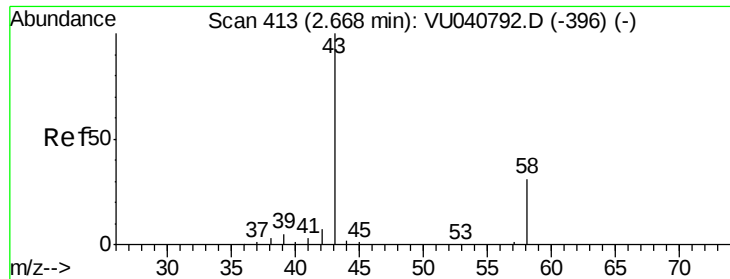
Ion Ratio Lower Upper

96 100

61 247.2 128.8 239.2#

63 632.5 84.6 157.2#





#13

Acetone

Concen: 3.725 ug/L m

RT: 2.68 min Scan# 418

Delta R.T. 0.02 min

Lab File: VU040795.D

Acq: 19 Oct 2020 11:27

Instrument :

MSVOA_U

ClientSampled :

ETZ43

Tot Ion: 43 Resp: 9142

Ion Ratio Lower Upper

43 100

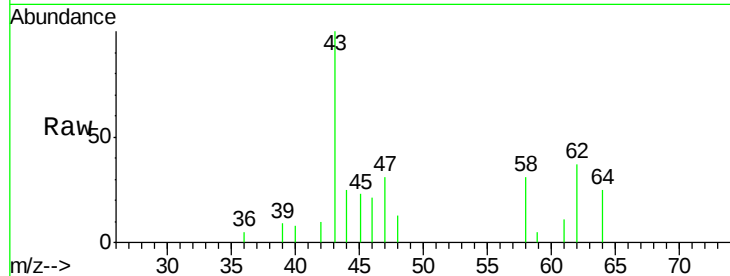
58 11.4 0.0 60.6

Manual Integrations

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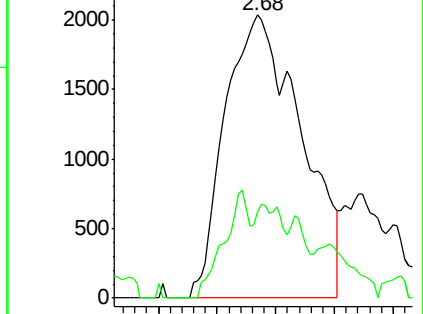
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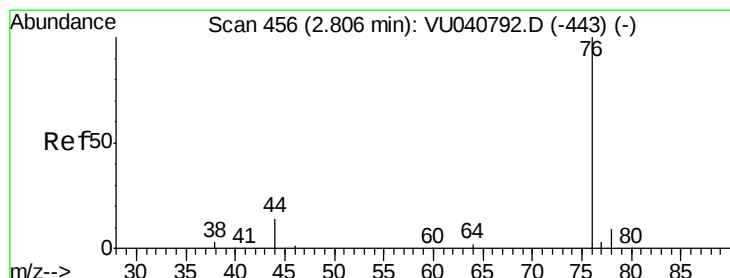
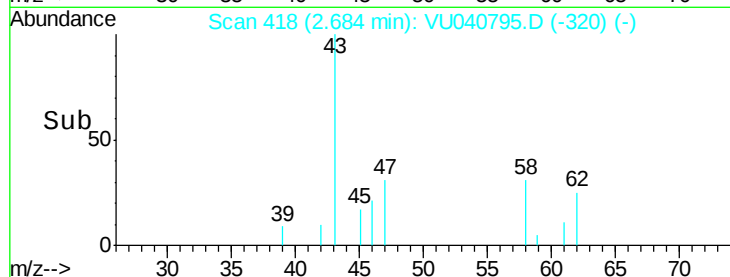


Abundance Ion 43.05 (42.75 to 43.75): VU040795.D (-320) (-)

Ion 58.05 (57.75 to 58.75): VU040795.D (-320) (-)



Time-->



#14

Carbon disulfide

Concen: 0.480 ug/L m

RT: 2.81 min Scan# 457

Delta R.T. 0.00 min

Lab File: VU040795.D

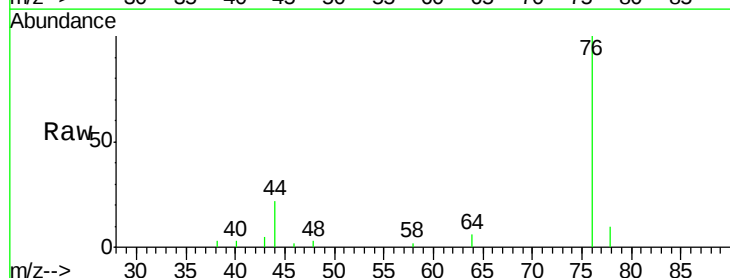
Acq: 19 Oct 2020 11:27

Tgt Ion: 76 Resp: 11446

Ion Ratio Lower Upper

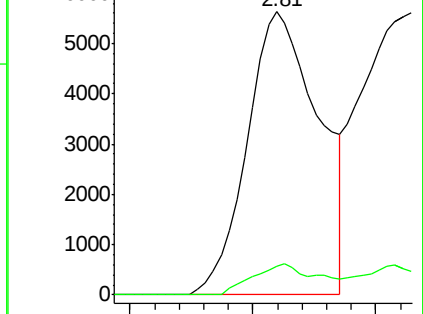
76 100

78 10.3 6.8 10.2#

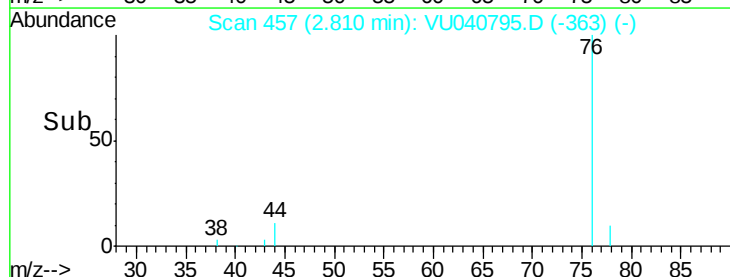


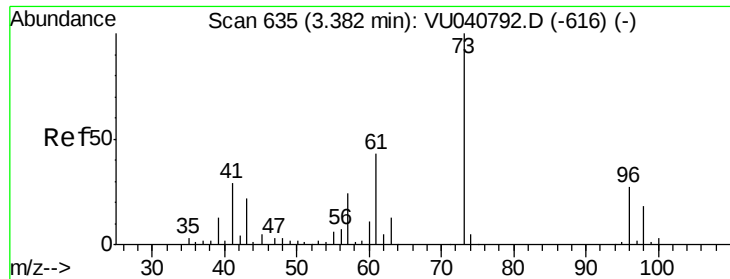
Abundance Ion 76.05 (75.75 to 76.75): VU040795.D (-363) (-)

Ion 78.00 (77.70 to 78.70): VU040795.D (-363) (-)



Time-->





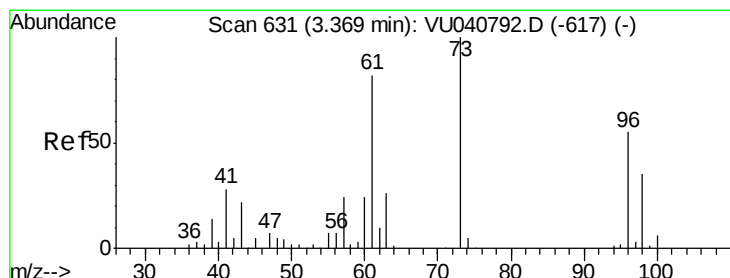
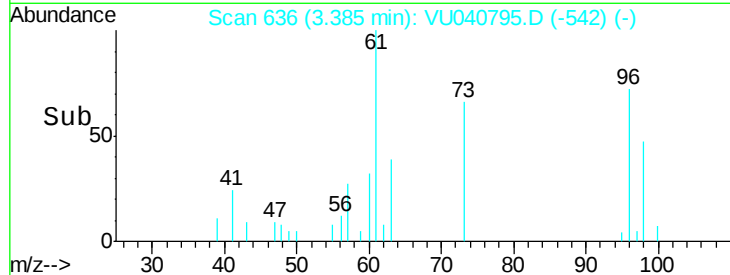
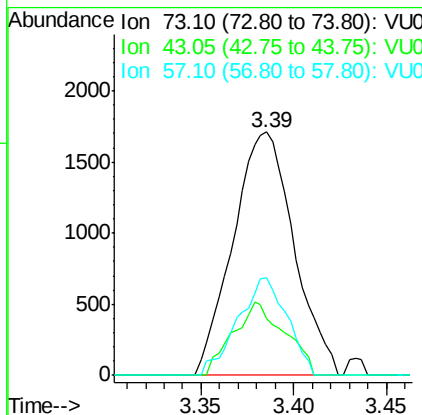
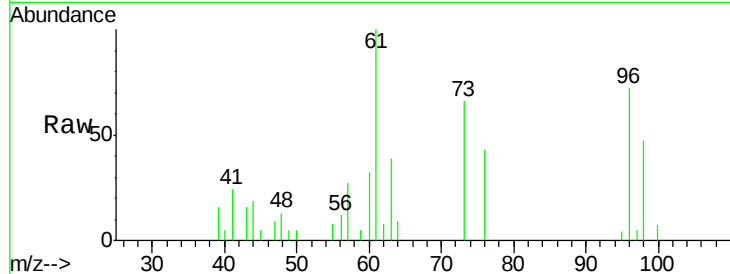
#17
Methvl tert-butvl Ether
Concen: 0.162 ug/L
RT: 3.39 min Scan# 636
Delta R.T. 0.00 min
Lab File: VU040795.D
Acq: 19 Oct 2020 11:27

Instrument :
MSVOA_U
ClientSampleId :
ETZ43

Tot Ion	Ratio	Lower	Upper
73	100		
43	25.3	18.2	27.4
57	32.3	18.6	28.0

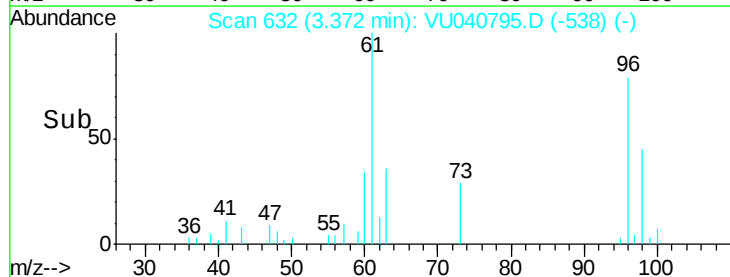
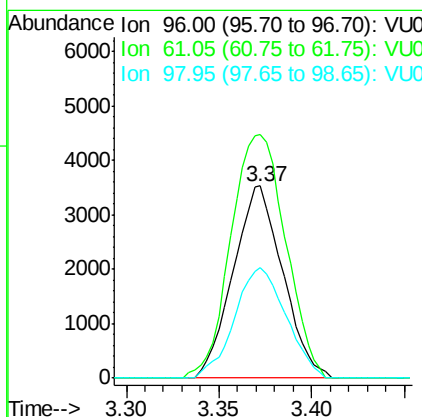
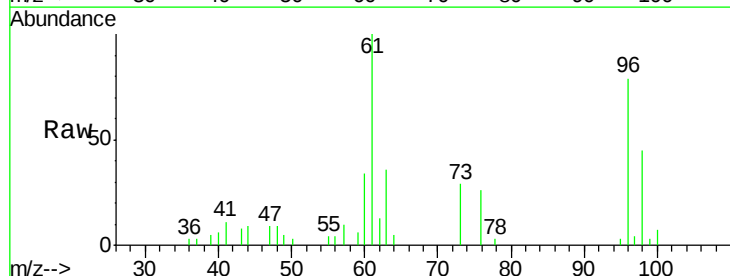
Manual Integrations
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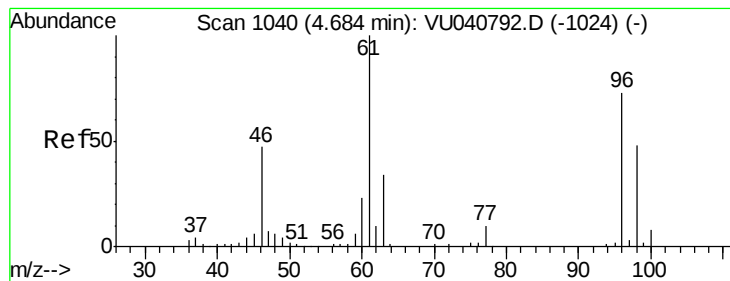
MMDadoda
10/20/2020 4:25:27 PM



#18
trans-1,2-Dichloroethene
Concen: 0.732 ug/L
RT: 3.37 min Scan# 632
Delta R.T. 0.00 min
Lab File: VU040795.D
Acq: 19 Oct 2020 11:27

Tgt Ion	Ratio	Lower	Upper
96	100		
61	126.9	105.9	196.7
98	57.6	43.8	81.3





#22

cis-1,2-Dichloroethene

Concen: 268.267 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VU040795.D

Acq: 19 Oct 2020 11:27

Instrument :

MSVOA_U

ClientSampled :

ETZ43

Tot Ion: 96 Resp: 2580039

Ion Ratio Lower Upper

96 100

61 140.5 99.8 185.4

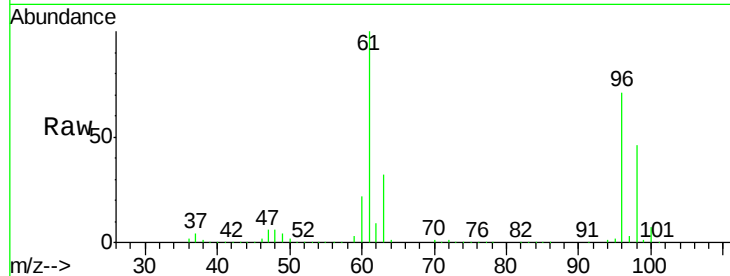
68 0.0 0.0 0.0

Manual Integrations

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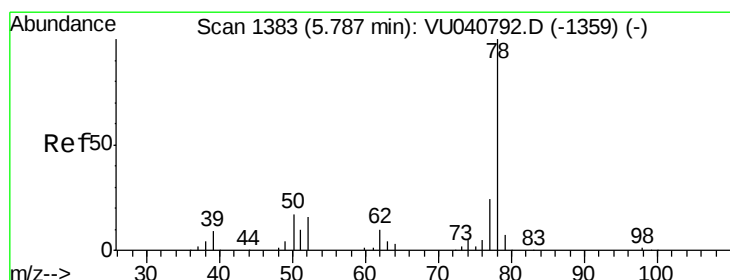
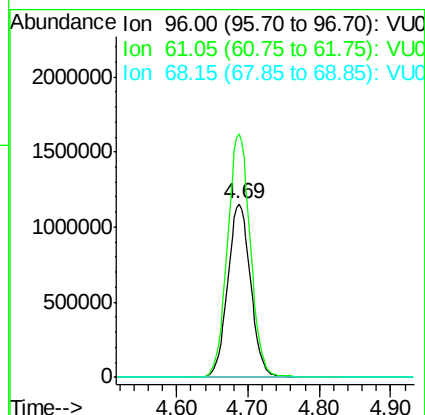
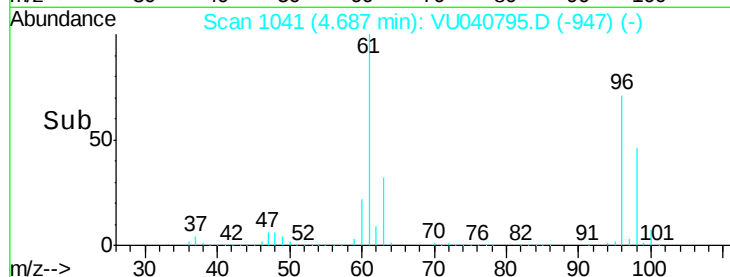
10/20/2020 4:25:27 PM



Abundance Ion 96.00 (95.70 to 96.70): VU040795.D (-1024) (-)

Ion 61.05 (60.75 to 61.75): VU040795.D (-1024) (-)

Ion 68.15 (67.85 to 68.85): VU040795.D (-1024) (-)



#33

Benzene

Concen: 0.078 ug/L

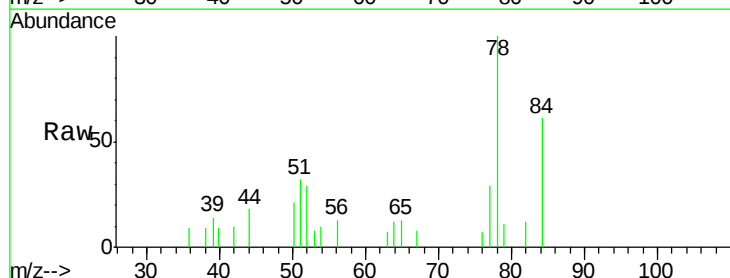
RT: 5.79 min Scan# 1384

Delta R.T. 0.00 min

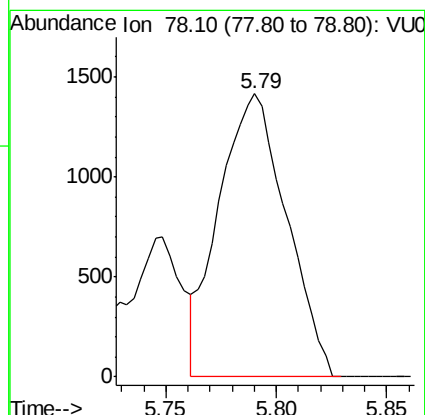
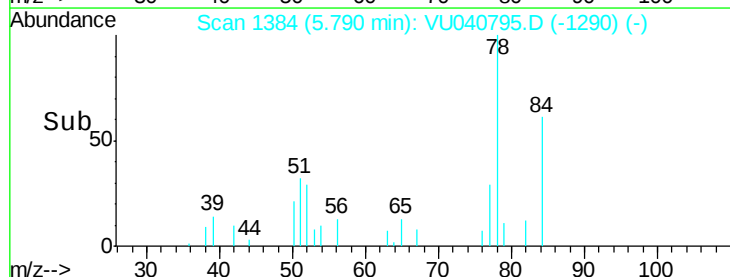
Lab File: VU040795.D

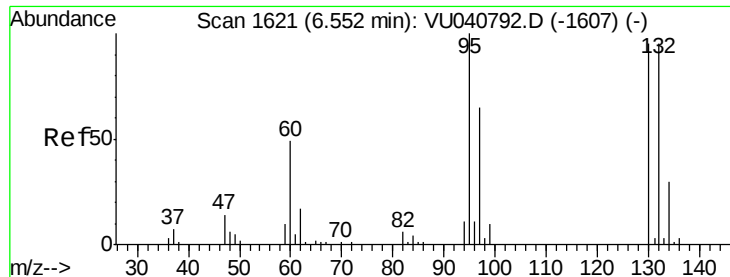
Acq: 19 Oct 2020 11:27

Tgt Ion: 78 Resp: 3000



Abundance Ion 78.10 (77.80 to 78.80): VU040795.D (-1290) (-)





#34

Trichloroethene

Concen: 2.643 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU040795.D

Acq: 19 Oct 2020 11:27

Instrument :

MSVOA_U

ClientSampleId :

ETZ43

Tot Ion: 95 Resp: 26510

Ion Ratio Lower Upper

95 100

97 63.6 45.5 84.5

132 95.4 67.5 125.4

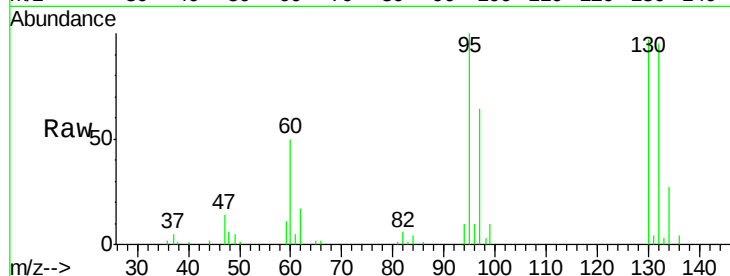
130 96.7 69.9 129.9

Manual Integrations

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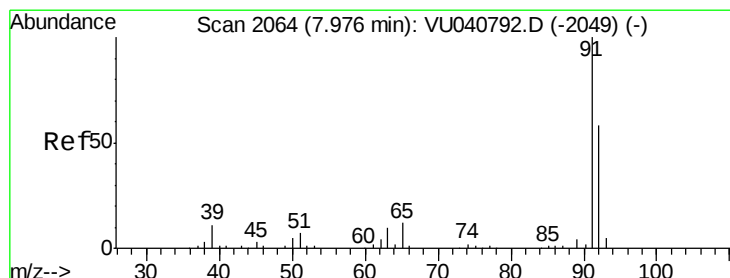
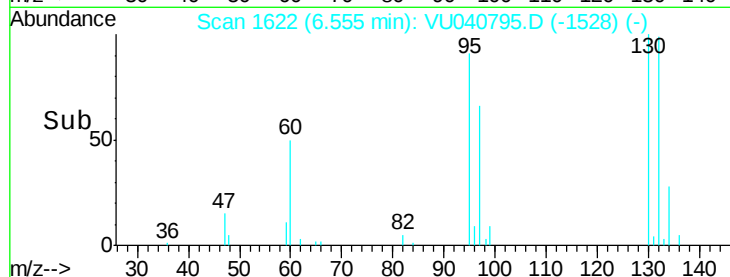
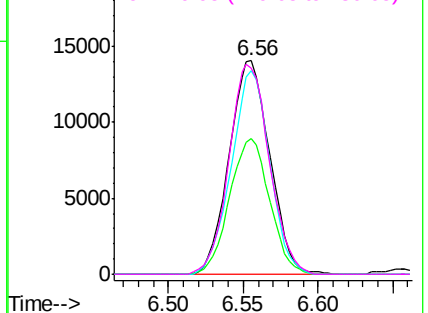


Abundance Ion 95.00 (94.70 to 95.70): VU040795.D (-1607) (-)

Ion 96.95 (96.65 to 97.65): VU040795.D (-1607) (-)

Ion 131.95 (131.65 to 132.65): VU040795.D (-1607) (-)

Ion 129.95 (129.65 to 130.65): VU040795.D (-1607) (-)



#42

Toluene

Concen: 0.074 ug/L

RT: 7.98 min Scan# 2065

Delta R.T. 0.00 min

Lab File: VU040795.D

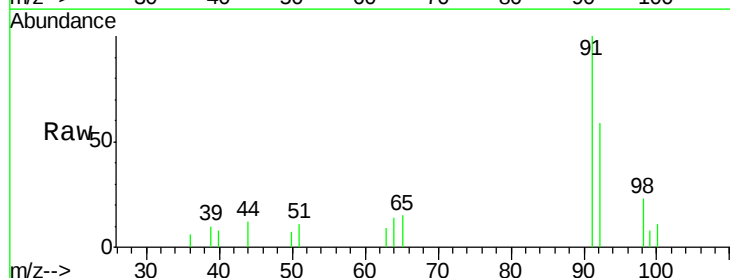
Acq: 19 Oct 2020 11:27

Tgt Ion: 91 Resp: 2899

Ion Ratio Lower Upper

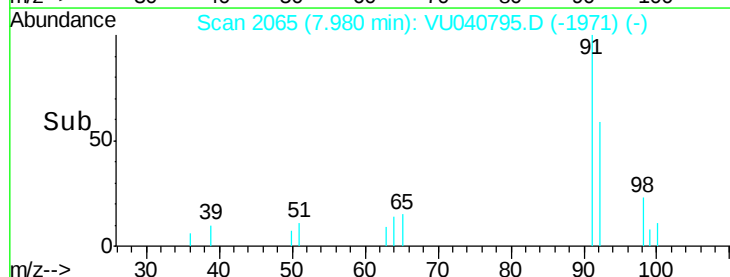
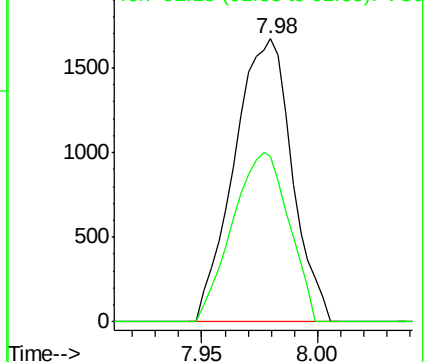
91 100

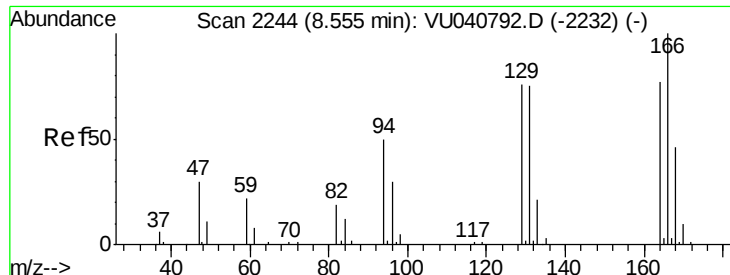
92 58.6 40.2 74.6



Abundance Ion 91.15 (90.85 to 91.85): VU040795.D (-1971) (-)

Ion 92.15 (91.85 to 92.85): VU040795.D (-1971) (-)





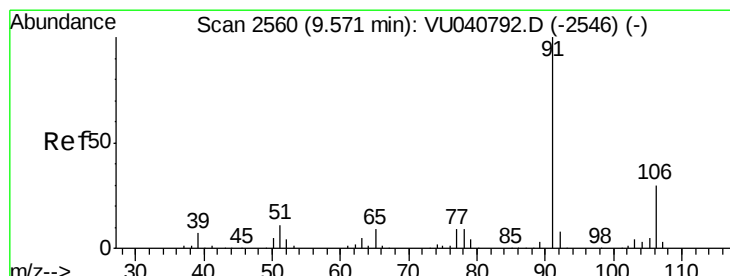
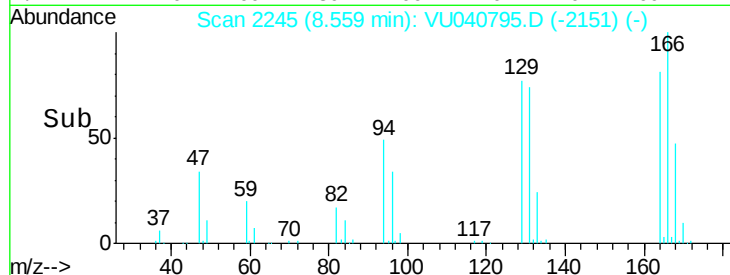
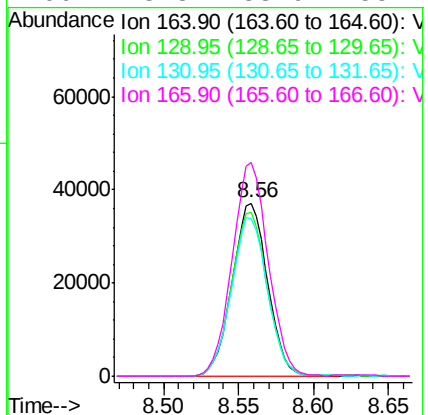
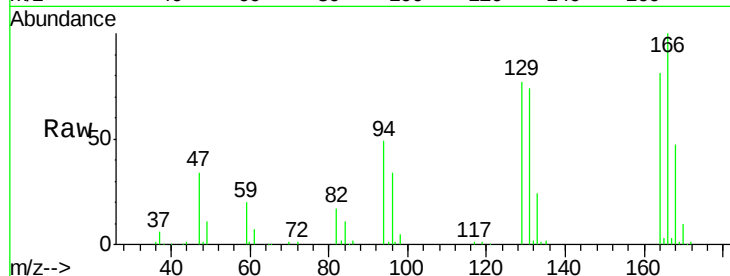
#47
Tetrachloroethene
Concen: 8.549 ug/L
RT: 8.56 min Scan# 2245
Delta R.T. 0.00 min
Lab File: VU040795.D
Acq: 19 Oct 2020 11:27

Instrument :
MSVOA_U
ClientSampled :
ETZ43

Tot Ion	Ratio	Lower	Upper
164	100		
129	94.5	68.8	127.8
131	91.2	66.7	123.9
166	123.3	83.9	155.7

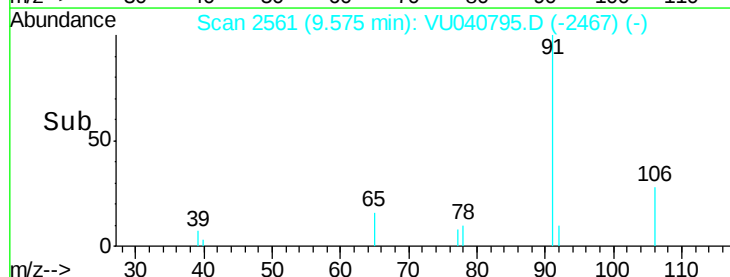
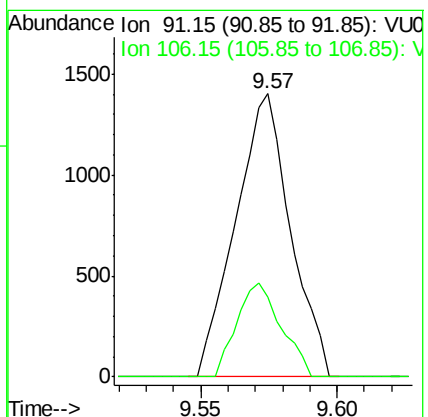
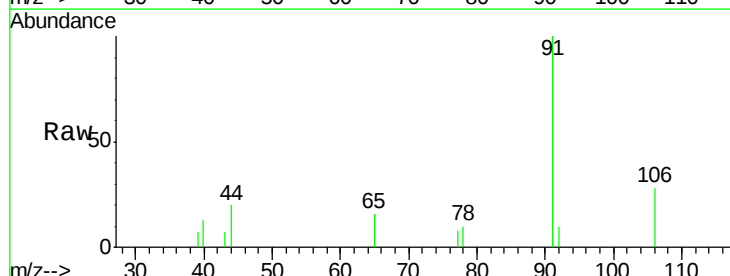
Manual Integrations
APPROVED

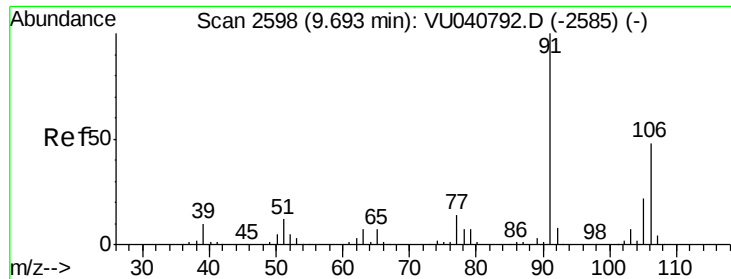
MMDadoda
10/20/2020 4:25:27 PM



#52
Ethylbenzene
Concen: 0.046 ug/L
RT: 9.57 min Scan# 2561
Delta R.T. 0.00 min
Lab File: VU040795.D
Acq: 19 Oct 2020 11:27

Tgt Ion	Ratio	Lower	Upper
91	100		
106	28.2	20.7	38.5





#53

m,p-Xylene

Concen: 0.157 ug/L

RT: 9.70 min Scan# 2599

Delta R.T. 0.00 min

Lab File: VU040795.D

Acq: 19 Oct 2020 11:27

Tot Ion:106 Resp: 2442

Ion Ratio Lower Upper

106 100

91 178.2 148.5 275.7

Instrument :

MSVOA_U

ClientSampled :

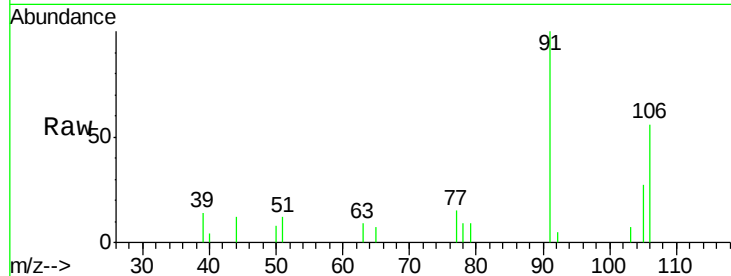
ETZ43

Manual Integrations

APPROVED

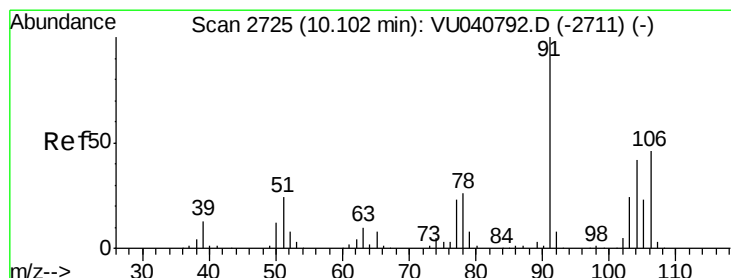
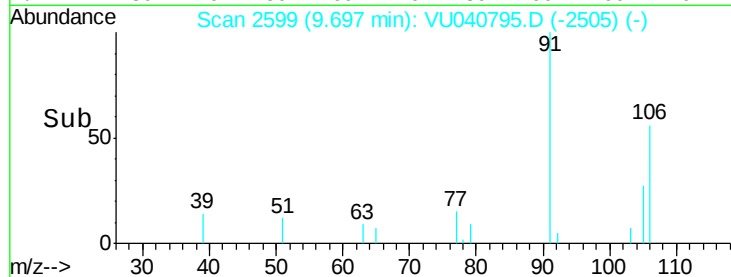
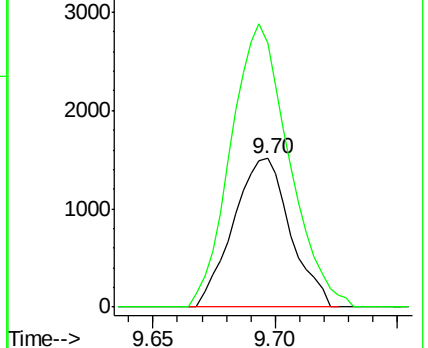
MMDadoda

10/20/2020 4:25:27 PM



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#54

o-Xylene

Concen: 0.079 ug/L

RT: 10.11 min Scan# 2726

Delta R.T. 0.00 min

Lab File: VU040795.D

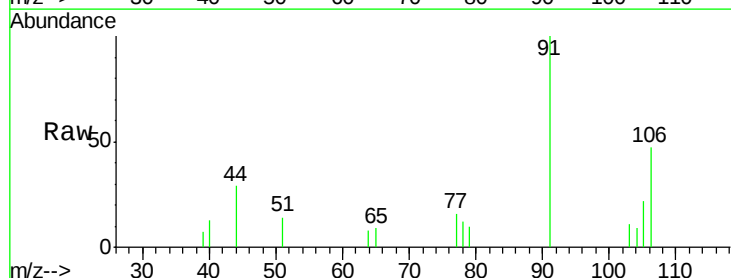
Acq: 19 Oct 2020 11:27

Tgt Ion:106 Resp: 1185

Ion Ratio Lower Upper

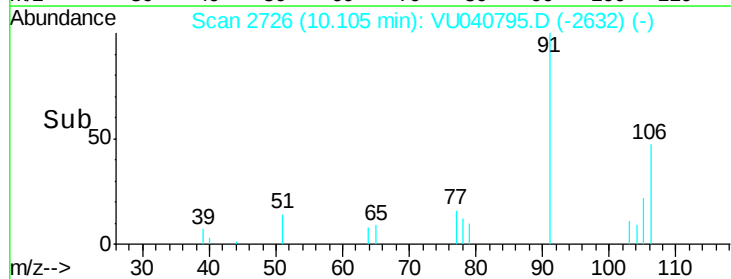
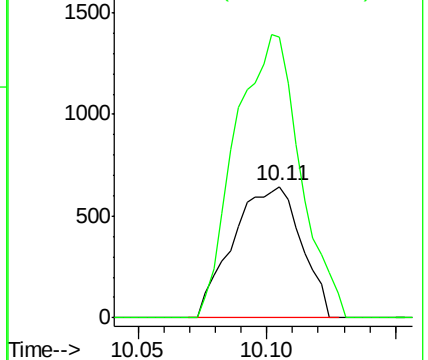
106 100

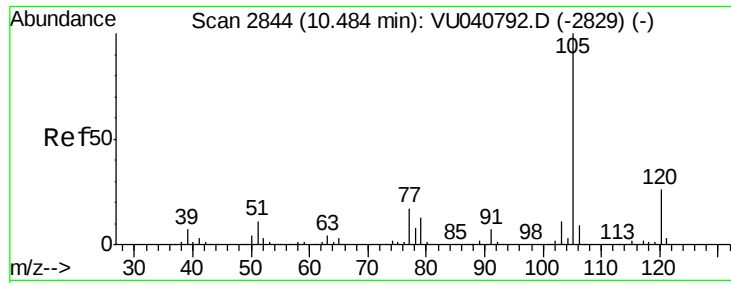
91 213.6 160.2 297.4



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0





#56

Isopropylbenzene

Concen: 0.061 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. 0.00 min

Lab File: VU040795.D

Acq: 19 Oct 2020 11:27

Instrument :

MSVOA_U

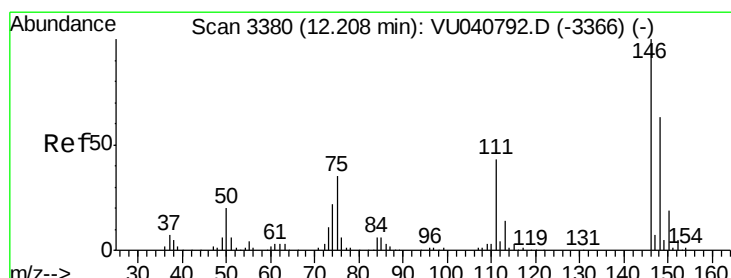
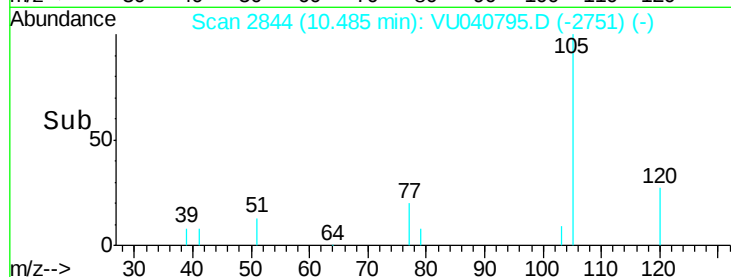
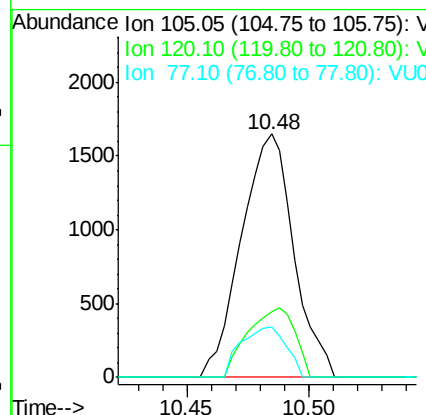
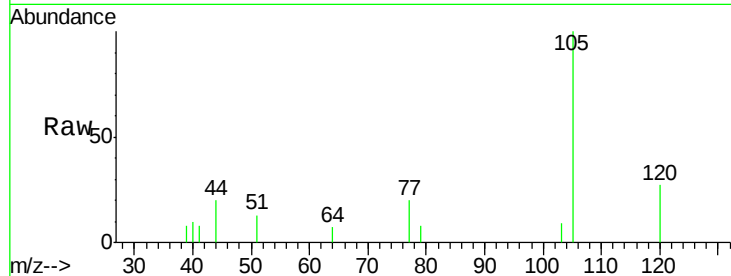
ClientSampled :

ETZ43

Tot Ion:	105	Resp:	2451
Ion Ratio	Lower	Upper	
105	100		
120	25.6	20.6	30.8
77	17.8	13.8	20.6

Manual Integrations
APPROVED

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10/20/2020 4:25:27 PM



#65

1,2-Dichlorobenzene

Concen: 0.151 ug/L

RT: 12.21 min Scan# 3380

Delta R.T. 0.00 min

Lab File: VU040795.D

Acq: 19 Oct 2020 11:27

Tgt Ion:	146	Resp:	2519
Ion Ratio	Lower	Upper	
146	100		
111	44.8	34.4	51.6
148	54.0	50.0	75.0

