

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091620\
 Data File : VU040173.D
 Acq On : 17 Sep 2020 01:48
 Operator : SY/MD
 Sample : L4046-12
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BG0Q0

Manual Integrations
 APPROVED

MMDadoda
 9/17/2020 3:12:33 PM

Quant Time: Sep 17 03:38:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Sep 17 02:07:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	119512	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	116494	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	57722	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	24788	3.80	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	76.00%
7) Chloroethane-d5	1.92	69	22928	4.22	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	84.40%
11) 1,1-Dichloroethene-d2	2.57	63	40243	2.40	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	48.00%#
20) 2-Butanone-d5	4.72	46	83720	32.08	ug/L	0.06
Spiked Amount	50.000	Range	40 - 130	Recovery	=	64.16%
24) Chloroform-d	5.08	84	64098	4.20	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.00%
26) 1,2-Dichloroethane-d4	5.73	65	38530	4.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.80%
32) Benzene-d6	5.75	84	118498	4.36	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.20%
36) 1,2-Dichloropropane-d6	6.71	67	38793	4.33	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	86.60%
41) Toluene-d8	7.91	98	100940	4.11	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.20%
43) trans-1,3-Dichloropropene-	8.19	79	15387	3.74	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	74.80%
46) 2-Hexanone-d5	8.65	63	77811	39.89	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	79.78%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	35281	4.55	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	39788	4.26	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	85.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.48	85	1104	0.093 ug/L	100
8) Chloroethane	1.94	64	3110	0.450 ug/L #	70
13) Acetone	2.76	43	20548	8.505 ug/L	88
14) Carbon disulfide	2.80	76	3987	0.134 ug/L #	75
30) Cyclohexane	5.40	56	42915	2.419 ug/L	96
33) Benzene	5.79	78	22918442m	549.934 ug/L	
35) Methylcyclohexane	6.77	83	69585	4.065 ug/L	94
42) Toluene	7.98	91	155284	3.618 ug/L	96
51) Chlorobenzene	9.45	112	2365921	88.790 ug/L	98
52) Ethylbenzene	9.57	91	4423894	90.720 ug/L	98
53) m,p-Xylene	9.69	106	1320092	76.034 ug/L	98
54) o-Xylene	10.10	106	396601	23.972 ug/L	99
56) Isopropylbenzene	10.48	105	2560606	56.750 ug/L	99
62) 1,3-Dichlorobenzene	11.74	146	54494	2.583 ug/L	99
63) 1,4-Dichlorobenzene	11.83	146	281010	13.163 ug/L	98
65) 1,2-Dichlorobenzene	12.21	146	159511	7.814 ug/L	98
68) 1,2,4-trichlorobenzene	13.83	180	2601	0.204 ug/L #	73

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Quant Title : TRACE VOA SOM01.0
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

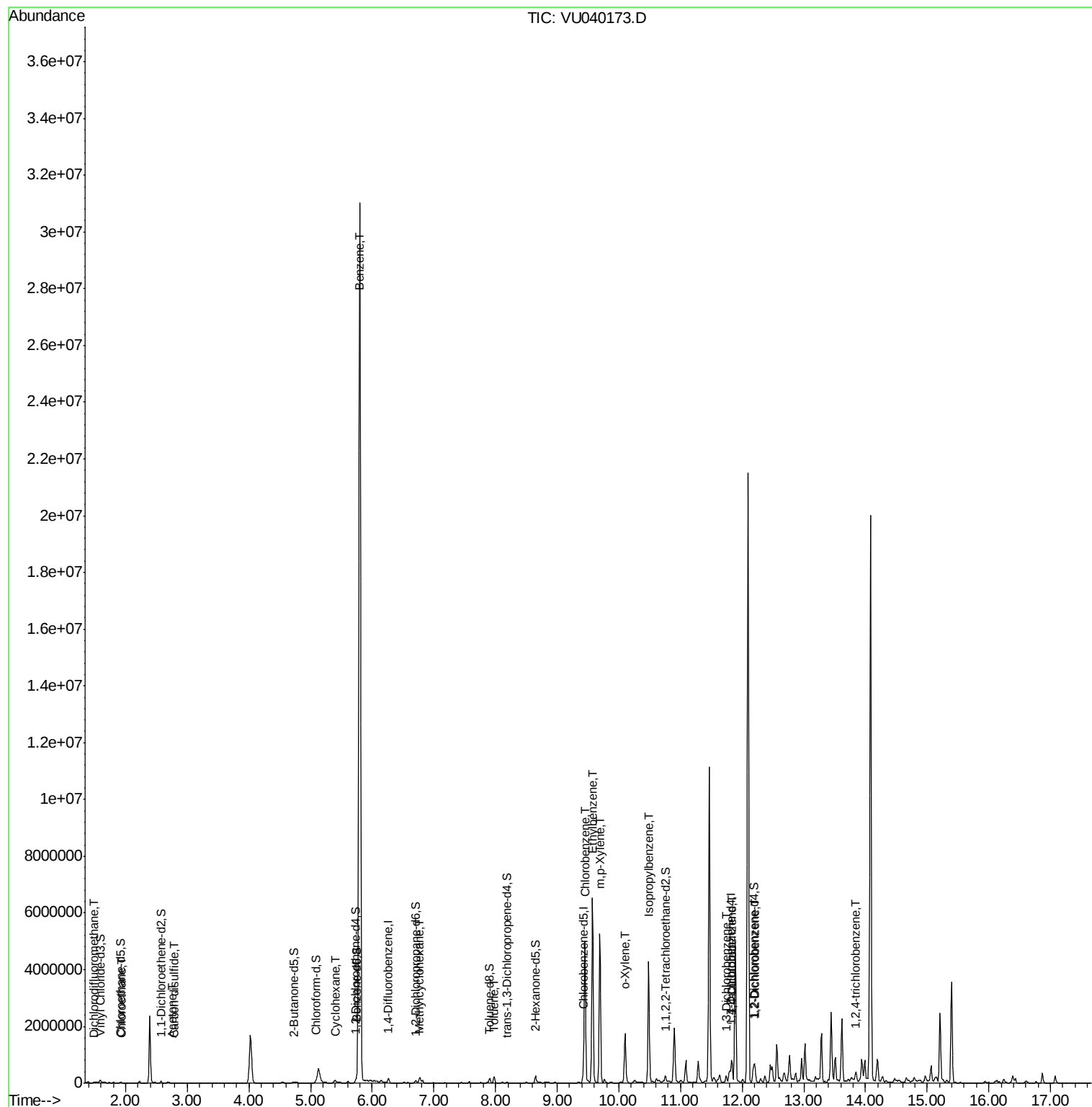
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091620\
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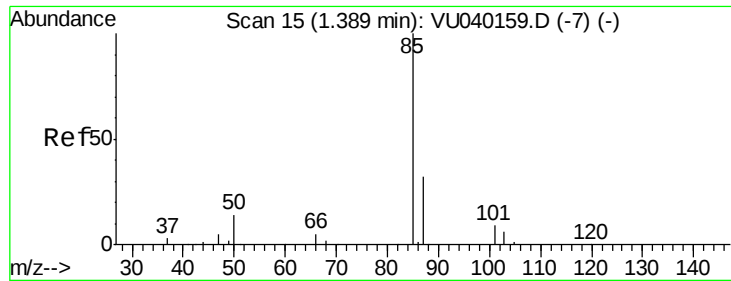
Instrument :
MSVOA_U
ClientSampleId :
BG0Q0

Manual Integrations
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Quant Title : TRACE VOA SOM01.0
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#2

Dichlorodifluoromethane

Concen: 0.093 ug/L

RT: 1.48 min Scan# 43

Delta R.T. 0.09 min

Lab File: VU040173.D

Acq: 17 Sep 2020 01:48

Instrument :

MSVOA_U

ClientSampleId :

BG0Q0

Tot Ion: 85 Resp: 1104

Ion Ratio Lower Upper

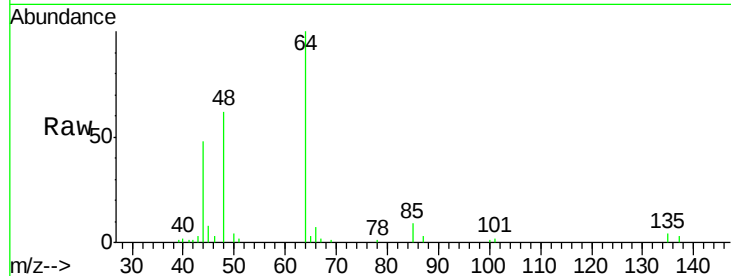
85 100

87 32.3 25.9 38.9

Manual Integrations
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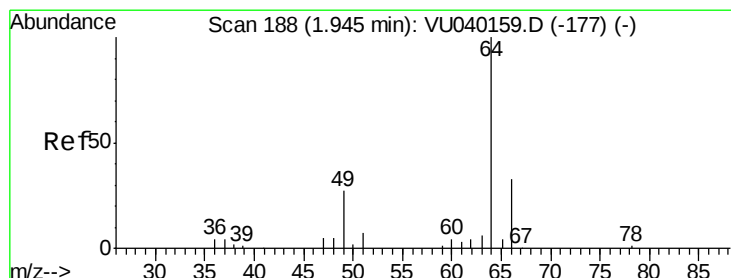
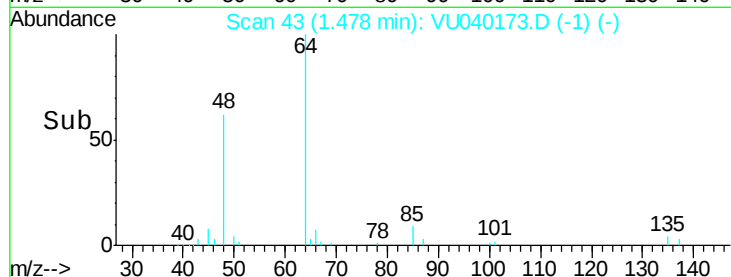
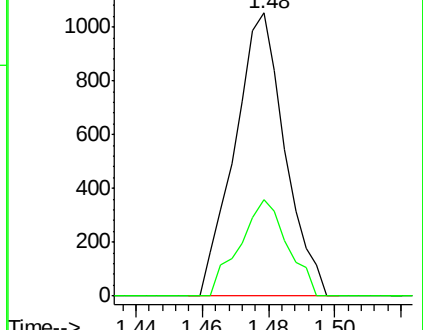
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Abundance Ion 85.00 (84.70 to 85.70): VU040173.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU040173.D (-1) (-)



#8

Chloroethane

Concen: 0.450 ug/L

RT: 1.94 min Scan# 186

Delta R.T. -0.01 min

Lab File: VU040173.D

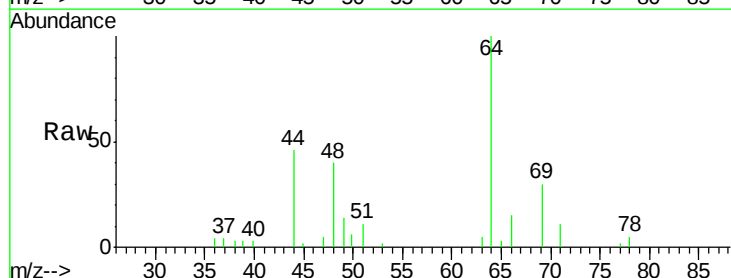
Acq: 17 Sep 2020 01:48

Tgt Ion: 64 Resp: 3110

Ion Ratio Lower Upper

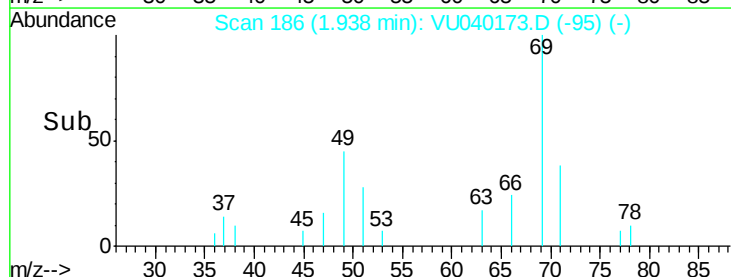
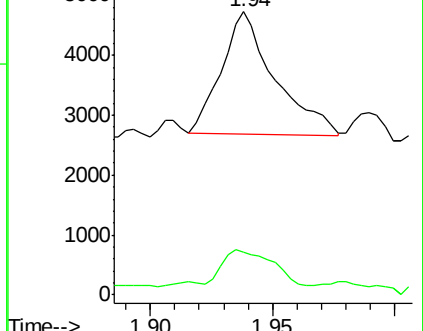
64 100

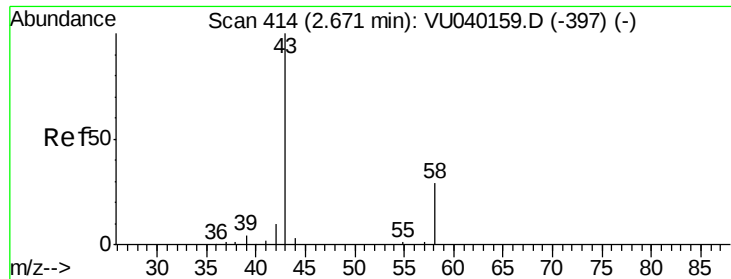
66 15.3 22.7 42.1#



Abundance Ion 64.10 (63.80 to 64.80): VU040173.D (-95) (-)

Ion 66.05 (65.75 to 66.75): VU040173.D (-95) (-)





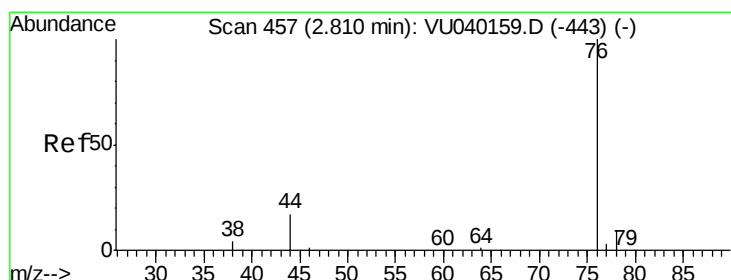
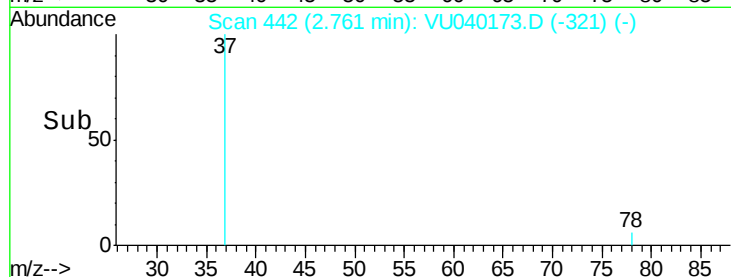
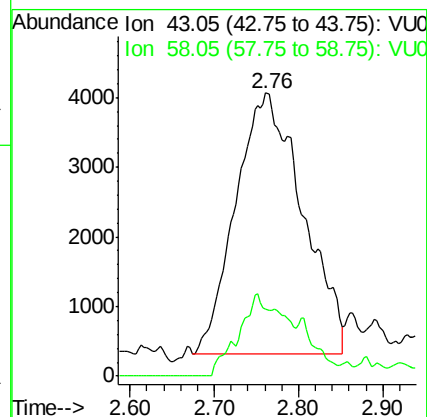
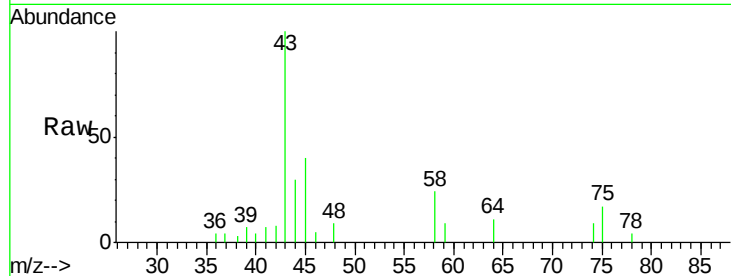
#13
Acetone
Concen: 8.505 ug/L
RT: 2.76 min Scan# 442
Delta R.T. 0.09 min
Lab File: VU040173.D
Acq: 17 Sep 2020 01:48

Instrument :
MSVOA_U
ClientSampleId :
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Tot Ion	43	58	Ratio	Lower	Upper
20548	100	21.3		0.0	55.4

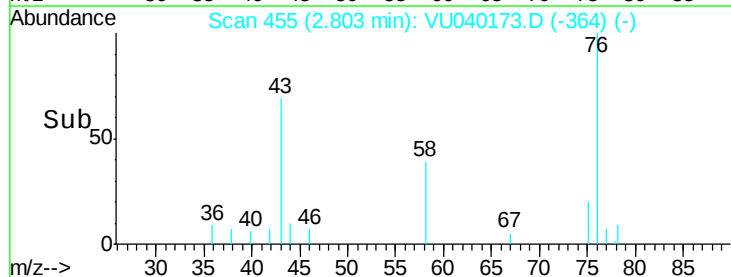
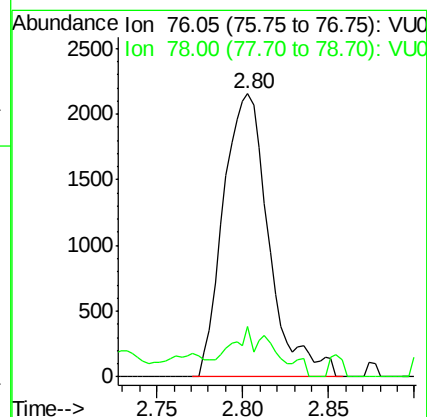
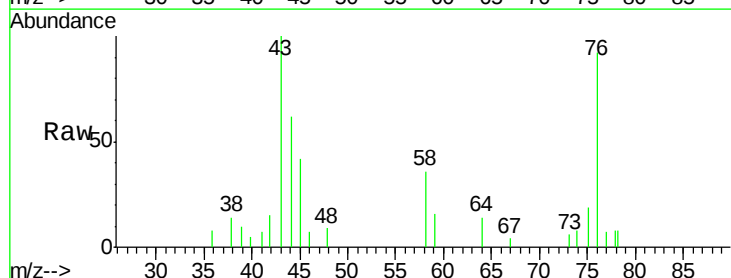
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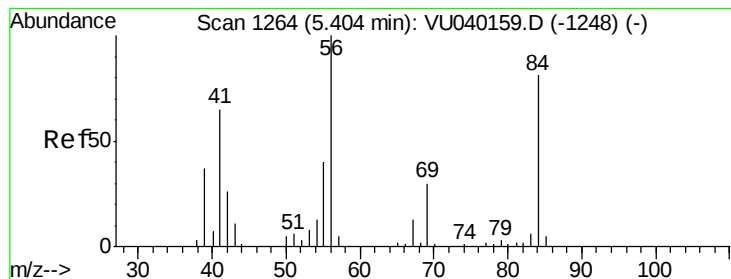
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#14
Carbon disulfide
Concen: 0.134 ug/L
RT: 2.80 min Scan# 455
Delta R.T. -0.01 min
Lab File: VU040173.D
Acq: 17 Sep 2020 01:48

Tgt Ion	76	78	Ratio	Lower	Upper
3987	100	17.9		7.2	10.8#





#30

Cyclohexane

Concen: 2.419 ug/L

RT: 5.40 min Scan# 1262

Delta R.T. -0.01 min

Lab File: VU040173.D

Acq: 17 Sep 2020 01:48

Instrument :

MSVOA_U

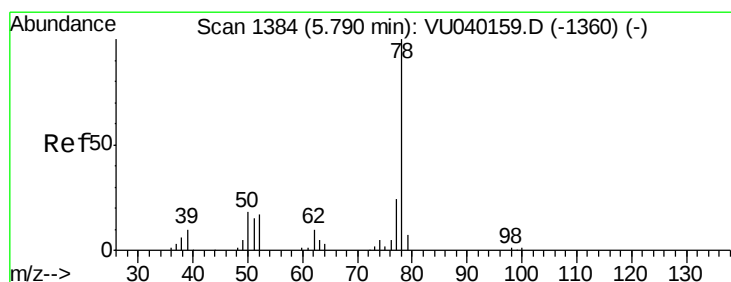
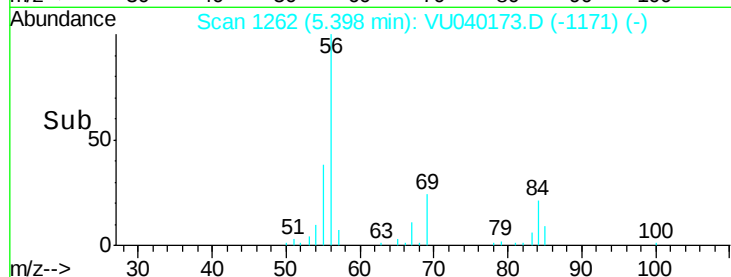
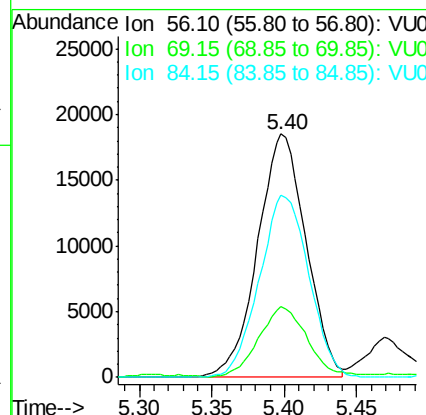
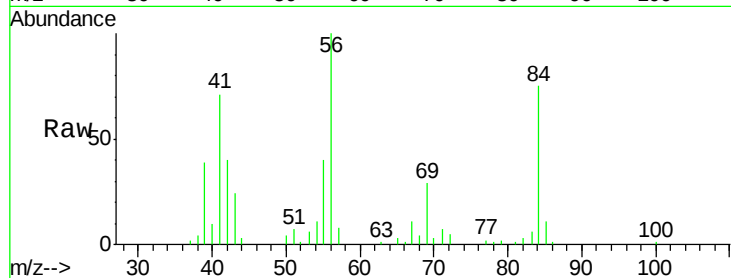
ClientSampleId :

BG0Q0

Tot Ion:	56	Resp:	42915
Ion Ratio	Lower	Upper	
56	100		
69	29.2	24.1	36.1
84	76.5	65.0	97.4

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#33

Benzene

Concen: 549.934 ug/L m

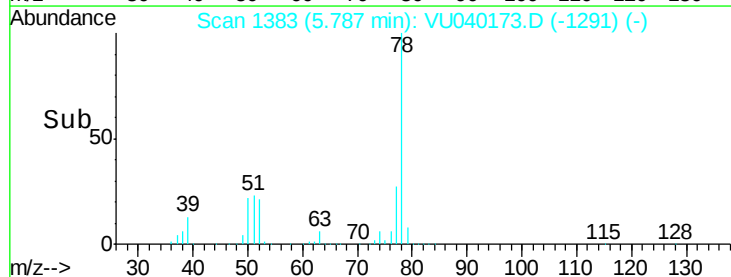
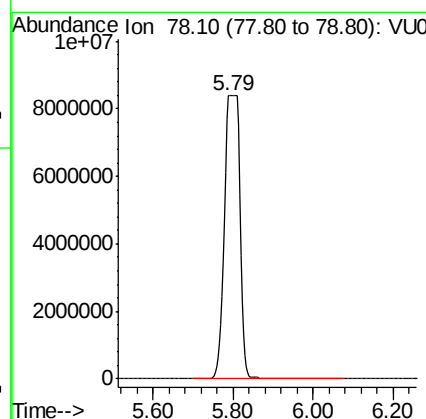
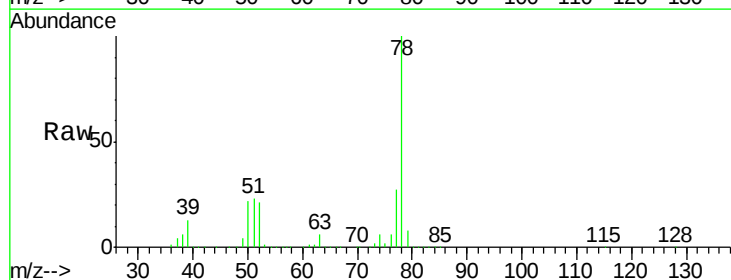
RT: 5.79 min Scan# 1383

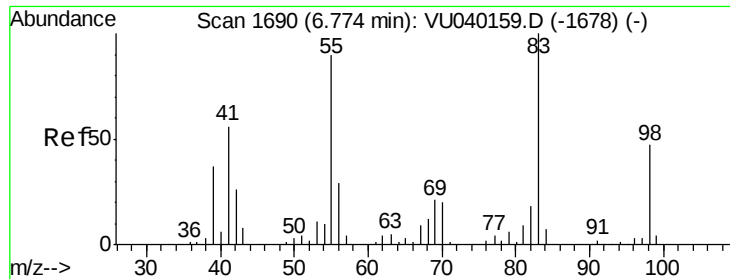
Delta R.T. -0.00 min

Lab File: VU040173.D

Acq: 17 Sep 2020 01:48

Tgt Ion: 78 Resp:22918442





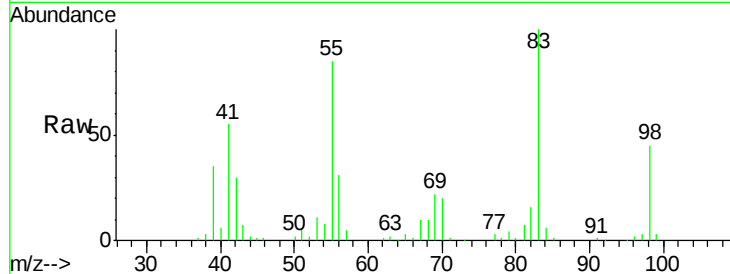
#35
Methvlcvclohexane
Concen: 4.065 ug/L
RT: 6.77 min Scan# 1689
Delta R.T. -0.00 min
Lab File: VU040173.D
Acq: 17 Sep 2020 01:48

Instrument :
MSVOA_U
ClientSampleId :
BG0Q0

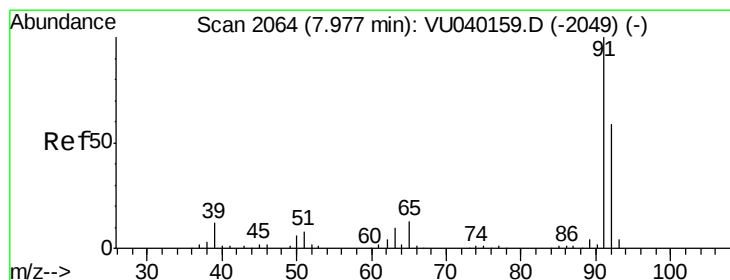
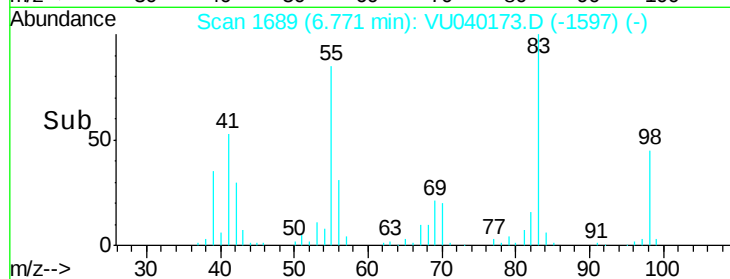
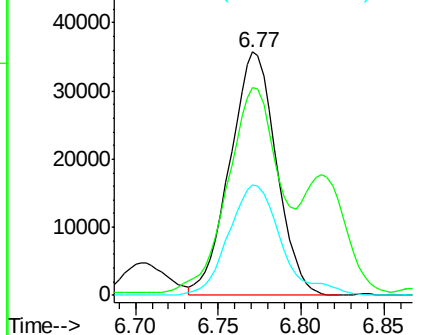
Tot Ion	83	Resp	69585
Ion Ratio	100	Lower	Upper
55	93.2	70.5	105.7
98	51.5	37.8	56.6

Manual Integrations
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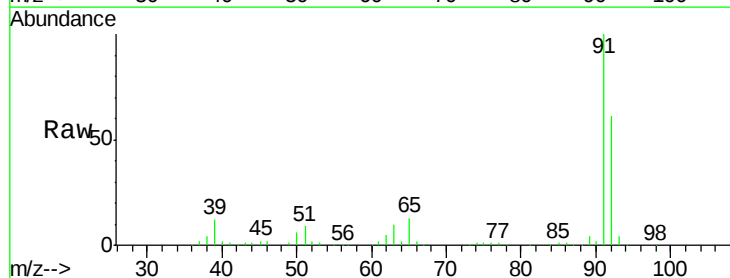


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

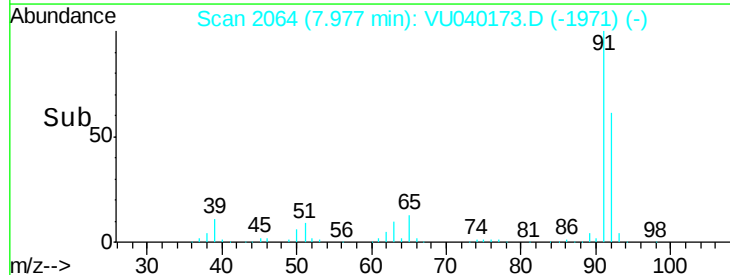
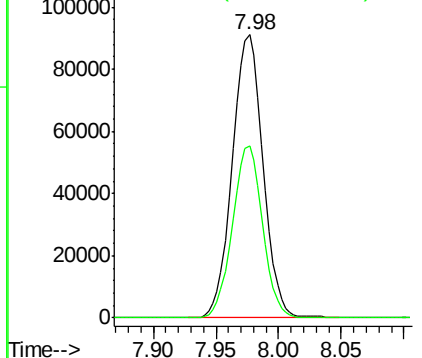


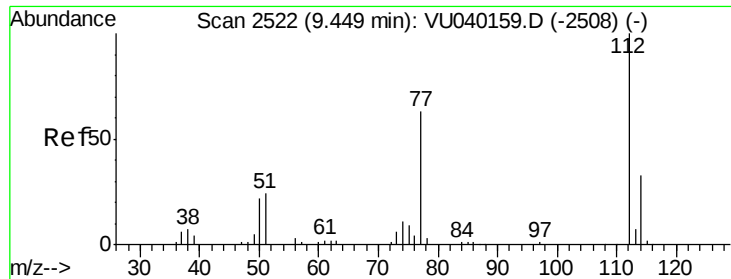
#42
Toluene
Concen: 3.618 ug/L
RT: 7.98 min Scan# 2064
Delta R.T. -0.00 min
Lab File: VU040173.D
Acq: 17 Sep 2020 01:48

Tgt Ion	91	Resp	155284
Ion Ratio	100	Lower	Upper
92	60.8	40.7	75.5



Abundance Ion 91.15 (90.85 to 91.85): VU0
Ion 92.15 (91.85 to 92.85): VU0





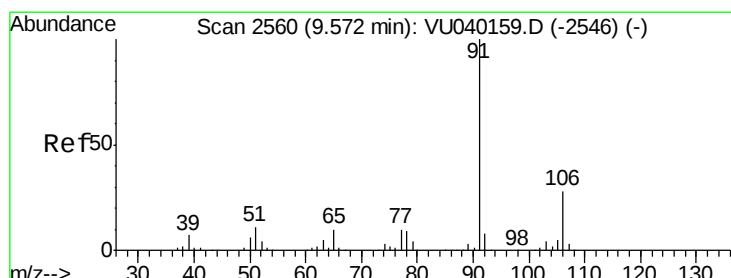
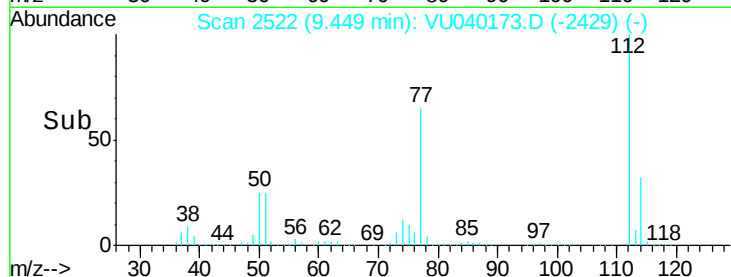
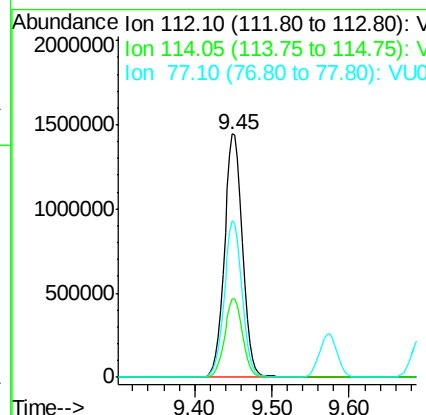
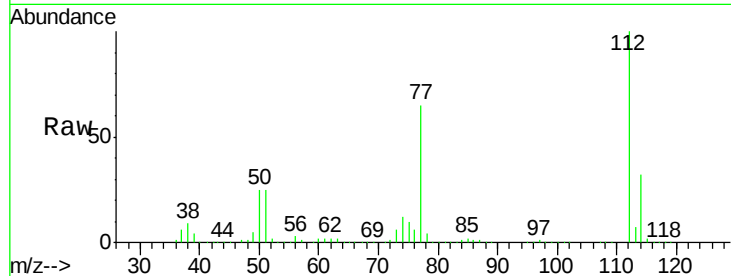
#51
Chlorobenzene
Concen: 88.790 ug/L
RT: 9.45 min Scan# 2522
Delta R.T. -0.00 min
Lab File: VU040173.D
Acq: 17 Sep 2020 01:48

Instrument :
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Tot Ion	Ion	Ratio	Lower	Upper
112	100			
114	32.1	22.7	42.3	
77	64.5	53.2	79.8	

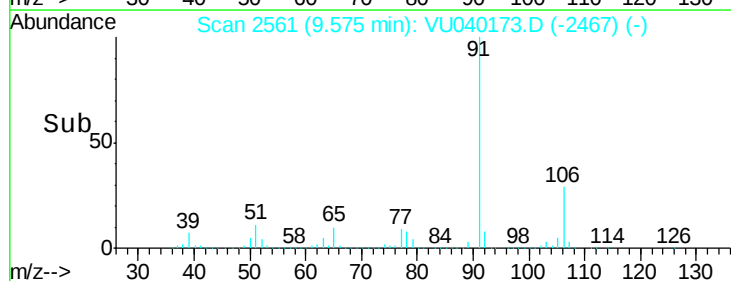
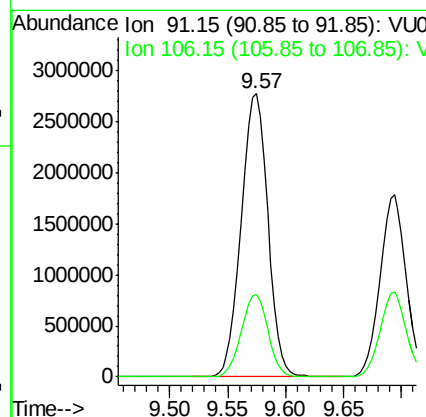
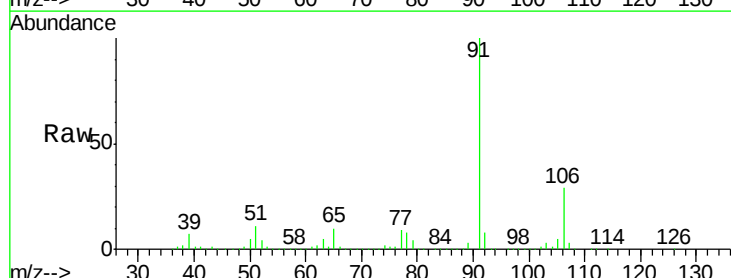
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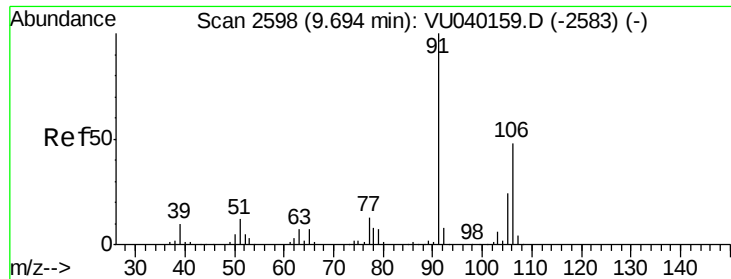
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#52
Ethylbenzene
Concen: 90.720 ug/L
RT: 9.57 min Scan# 2561
Delta R.T. 0.00 min
Lab File: VU040173.D
Acq: 17 Sep 2020 01:48

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
106	29.2	21.0	39.0	





#53

m,p-Xylene

Concen: 76.034 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. -0.00 min

Lab File: VU040173.D

Acq: 17 Sep 2020 01:48

Instrument :

MSVOA_U

ClientSampleId :

BG0Q0

Tot Ion:106 Resp: 1320092

Ion Ratio Lower Upper

106 100

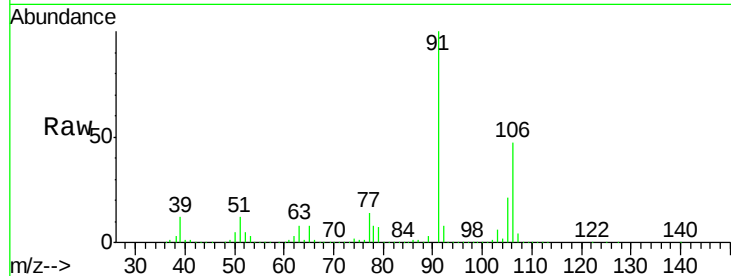
91 213.1 151.7 281.7

Manual Integrations

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Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0

3000000

2500000

2000000

1500000

1000000

500000

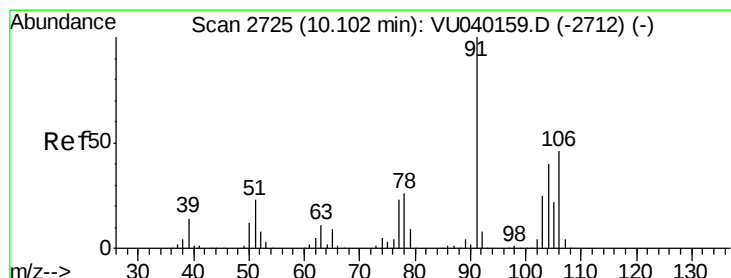
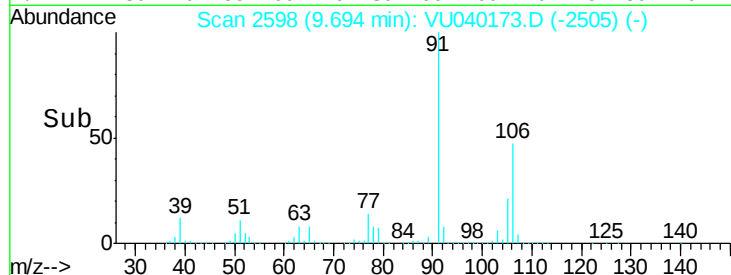
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Time-->

9.60

9.70

9.80



#54

o-Xylene

Concen: 23.972 ug/L

RT: 10.10 min Scan# 2724

Delta R.T. -0.00 min

Lab File: VU040173.D

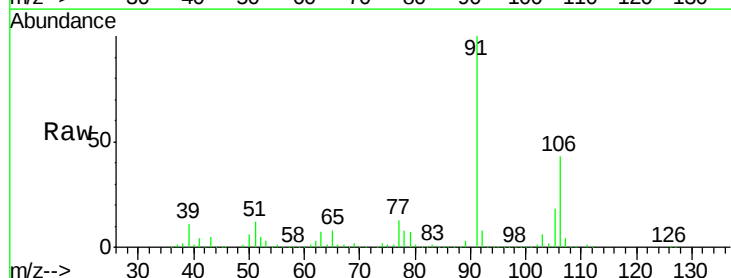
Acq: 17 Sep 2020 01:48

Tgt Ion:106 Resp: 396601

Ion Ratio Lower Upper

106 100

91 231.6 160.8 298.6



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0

600000

400000

200000

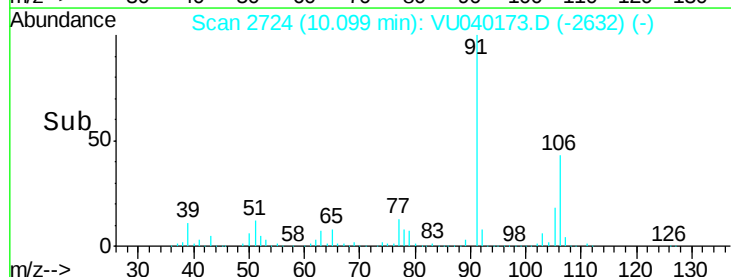
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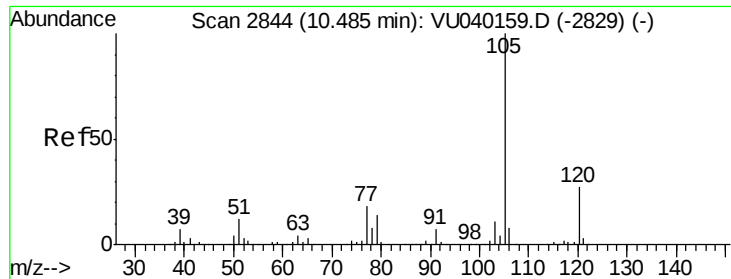
Time-->

10.00

10.10

10.20





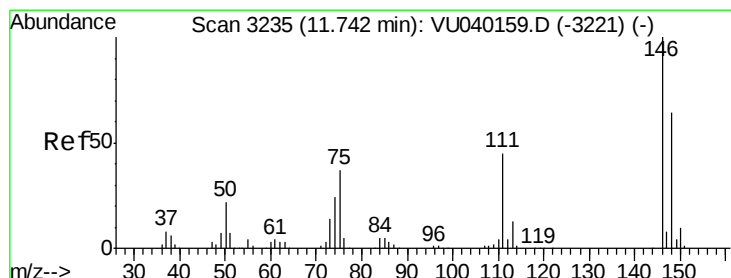
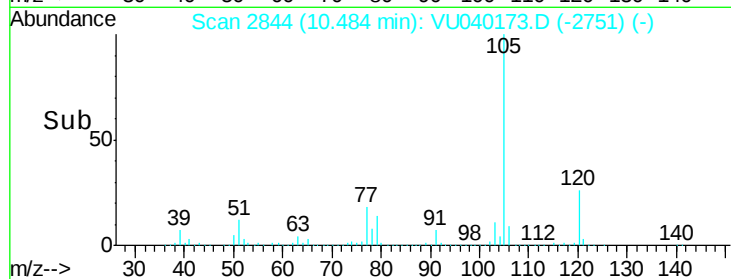
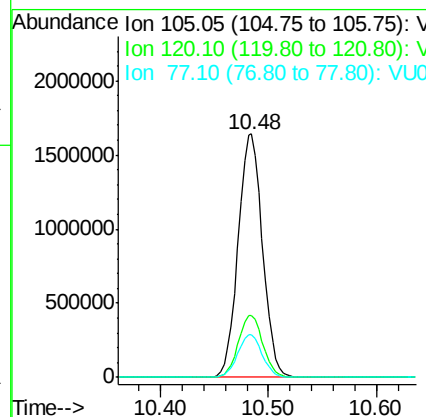
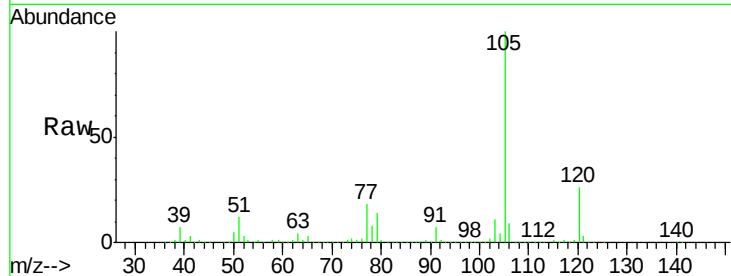
#56
Isopropylbenzene
Concen: 56.750 ug/L
RT: 10.48 min Scan# 2844
Delta R.T. -0.00 min
Lab File: VU040173.D
Acq: 17 Sep 2020 01:48

Instrument :
MSVOA_U
ClientSampled :
BG0Q0

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.7	20.1	30.1
77	17.6	14.4	21.6

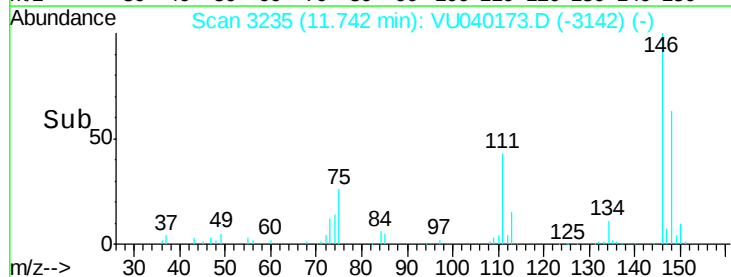
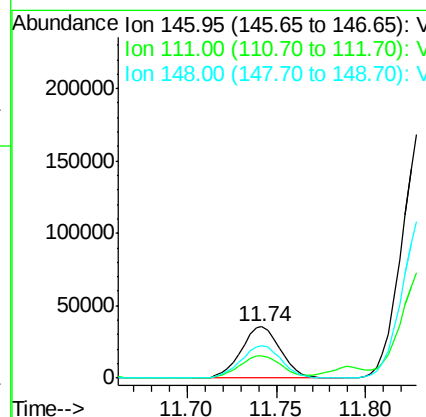
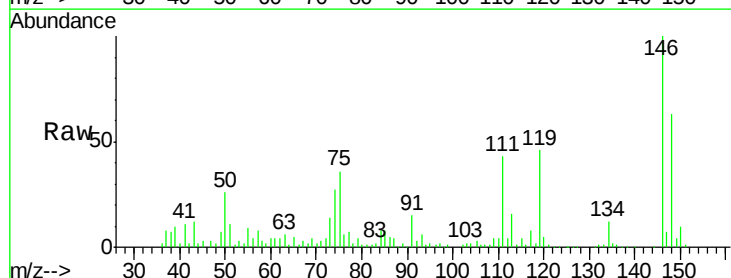
Manual Integrations
APPROVED

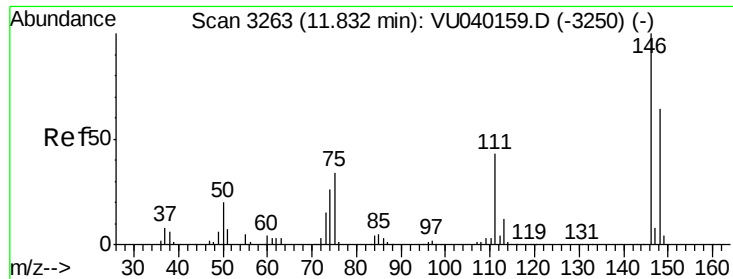
MMDadoda
9/17/2020 3:12:33 PM



#62
1,3-Dichlorobenzene
Concen: 2.583 ug/L
RT: 11.74 min Scan# 3235
Delta R.T. -0.00 min
Lab File: VU040173.D
Acq: 17 Sep 2020 01:48

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.5	31.6	58.8
148	62.7	44.2	82.0





#63

1,4-Dichlorobenzene

Concen: 13.163 ug/L

RT: 11.83 min Scan# 3263

Delta R.T. -0.00 min

Lab File: VU040173.D

Acq: 17 Sep 2020 01:48

Instrument :

MSVOA_U

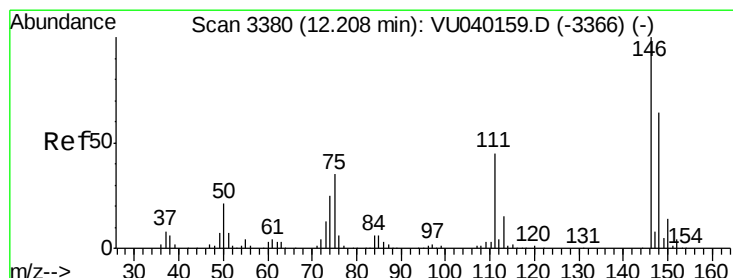
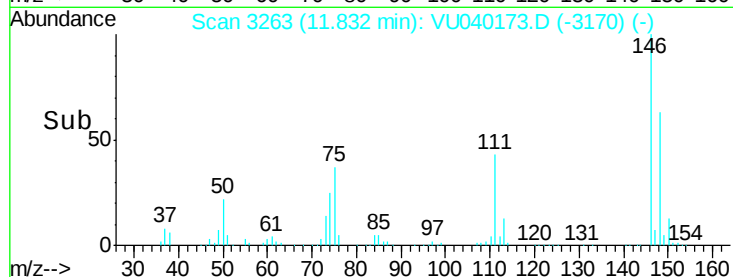
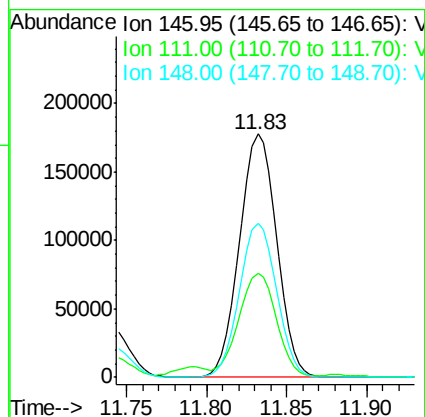
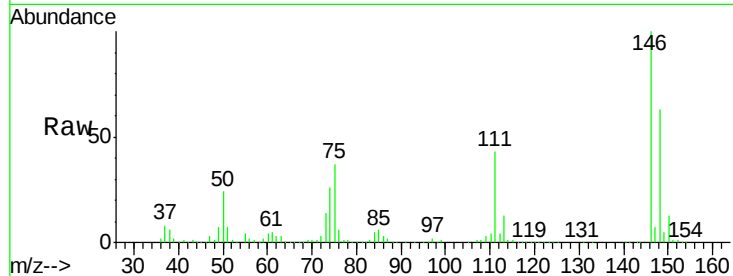
ClientSampleId :

BG0Q0

Tot Ion:	146	Resp:	281010
Ion Ratio	Lower	Upper	
146	100		
111	42.9	30.5	56.7
148	63.5	45.4	84.4

Manual Integrations
APPROVED

MMDadoda
9/17/2020 3:12:33 PM



#65

1,2-Dichlorobenzene

Concen: 7.814 ug/L

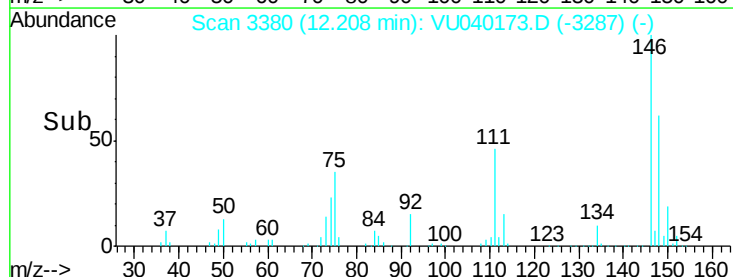
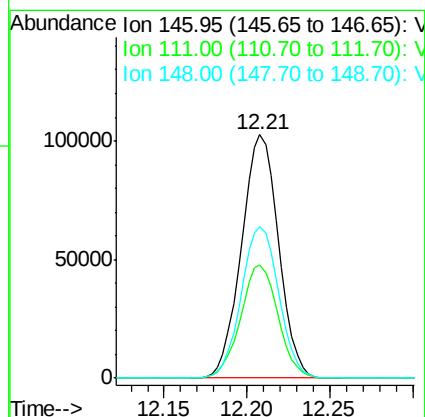
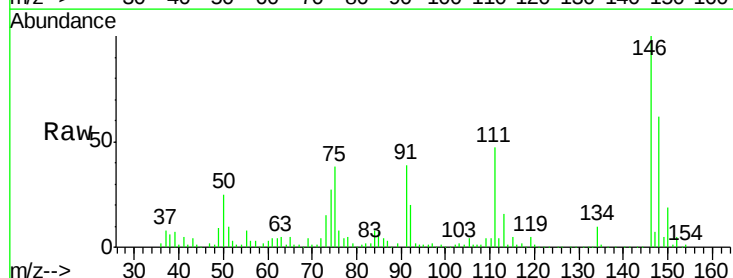
RT: 12.21 min Scan# 3380

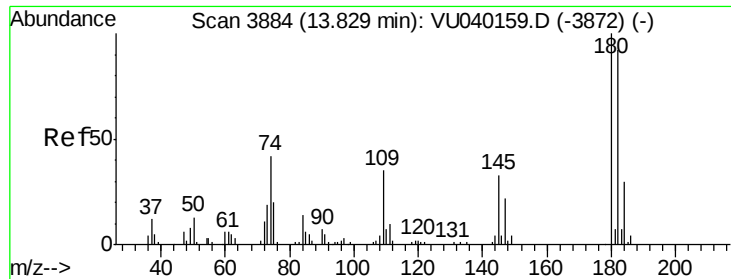
Delta R.T. -0.00 min

Lab File: VU040173.D

Acq: 17 Sep 2020 01:48

Tgt Ion:	146	Resp:	159511
Ion Ratio	Lower	Upper	
146	100		
111	46.6	36.5	54.7
148	62.1	48.6	72.8





#68
 1,2,4-trichlorobenzene
 Concen: 0.204 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VU040173.D
 Acq: 17 Sep 2020 01:48

Instrument :
 MSVOA_U
 ClientSampleId :
 BG0Q0

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.9	76.0	114.0
145	93.0	28.4	42.6

Manual Integrations
 APPROVED

MMDadoda
 9/17/2020 3:12:33 PM

