

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VOX092820\
 Data File : VX018626.D
 Acq On : 28 Sep 2020 19:43
 Operator : JC/SP
 Sample : L4135-06
 Misc : 25.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BG480

Manual Integrations
 APPROVED

MMDadoda
 9/29/2020 9:43:32 AM

Quant Time: Oct 01 11:39:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR092820WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Sep 29 02:30:52 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.83	114	245398	5.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	232048	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	12.06	152	122463	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	65746	5.12	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	102.40%
7) Chloroethane-d5	1.70	69	53283	4.92	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.40%
11) 1,1-Dichloroethene-d2	2.34	63	108247	3.82	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	76.40%
20) 2-Butanone-d5	4.55	46	184130	56.23	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	112.46%
24) Chloroform-d	5.14	84	146127	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.00%
26) 1,2-Dichloroethane-d4	6.03	65	81649	4.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.20%
32) Benzene-d6	6.05	84	268182	5.01	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.20%
36) 1,2-Dichloropropane-d6	7.37	67	85506	5.24	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.80%
41) Toluene-d8	8.70	98	254327	4.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.40%
45) trans-1,3-Dichloropropene-	8.99	79	34573	4.76	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.20%
48) 2-Hexanone-d5	9.43	63	144980	55.77	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	111.54%
59) 1,1,2,2-Tetrachloroethane-	11.23	84	65234	5.37	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	107.40%
65) 1,2-Dichlorobenzene-d4	12.36	152	103794	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
3) Chloromethane	1.31	50	2581	0.203	ug/L #	83
8) Chloroethane	1.72	64	46287	6.335	ug/L #	74
14) Carbon disulfide	2.56	76	9318m	0.256	ug/L	
16) Methylene chloride	2.84	84	3836	0.234	ug/L	91
30) Cyclohexane	5.54	56	27701	1.576	ug/L	93
33) Benzene	6.12	78	199763	4.465	ug/L	100
35) Methylcyclohexane	7.45	83	21785	1.210	ug/L	92
42) Toluene	8.76	91	19250	0.398	ug/L	100
53) Chlorobenzene	10.12	112	13053554	408.899	ug/L #	85
55) m,p-xylene	10.34	106	2996	0.149	ug/L	96
56) o-xylene	10.68	106	15742	0.828	ug/L	87
58) Isopropylbenzene	11.00	105	1028339	20.166	ug/L	100
63) 1,3-Dichlorobenzene	12.01	146	21956	0.825	ug/L	97
64) 1,4-Dichlorobenzene	12.08	146	152105	5.656	ug/L	99
66) 1,2-Dichlorobenzene	12.38	146	62333	2.513	ug/L	96

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Response via : Initial Calibration

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

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

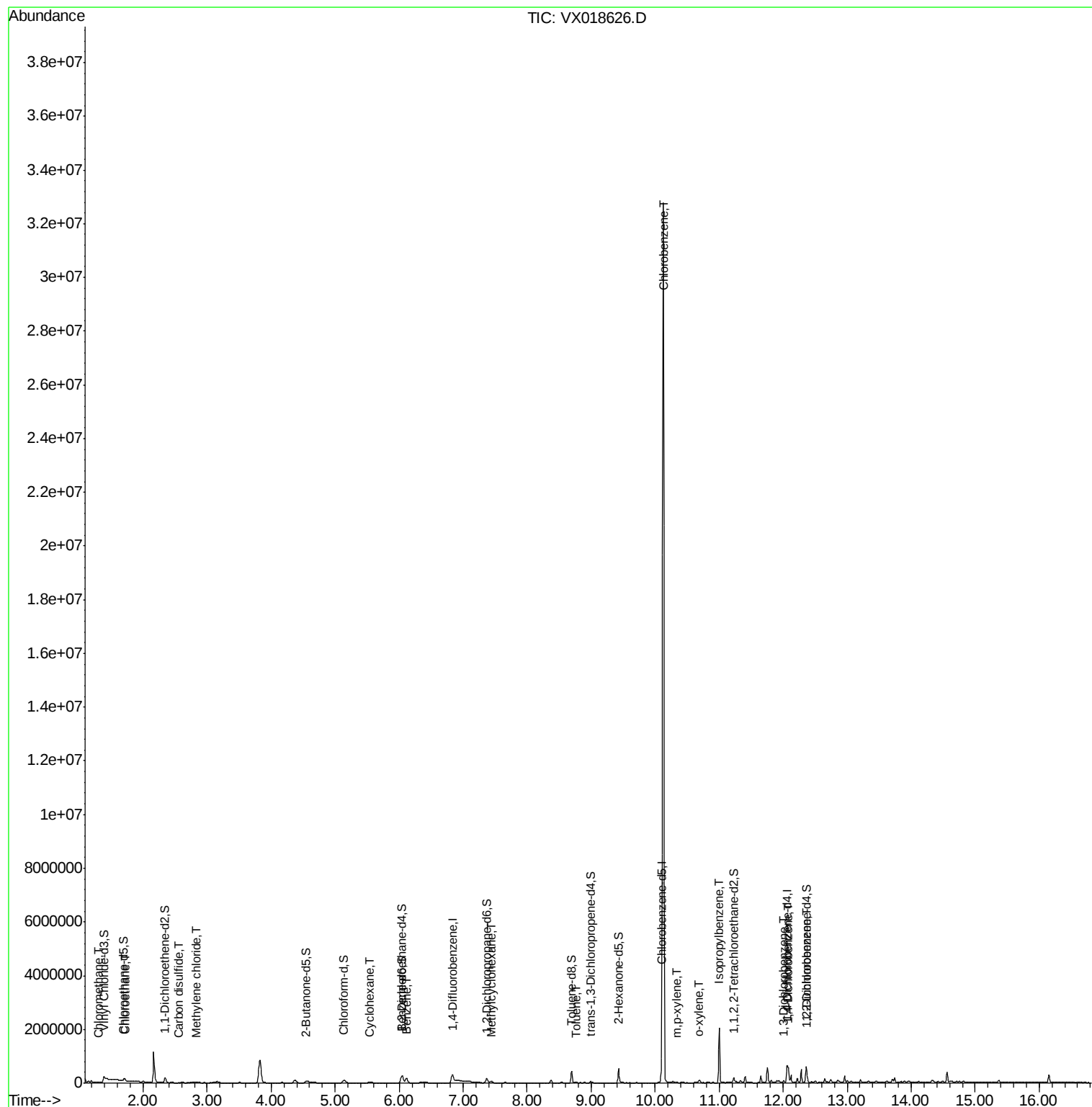
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Data File : VX018626.D
Acq On : 28 Sep 2020 19:43
Operator : JC/SP
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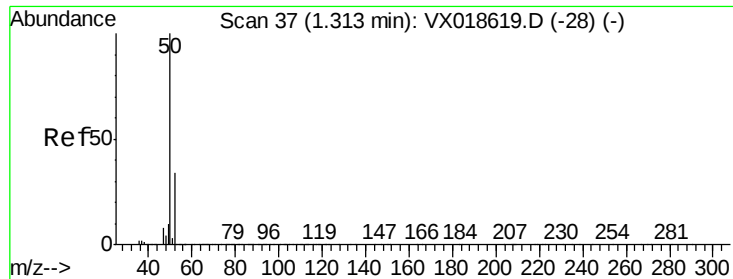
Instrument :
MSVOA_X
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#3

Chloromethane

Concen: 0.203 ug/L

RT: 1.31 min Scan# 36

Delta R.T. -0.01 min

Lab File: VX018626.D

Acq: 28 Sep 2020 19:43

Instrument :

MSVOA_X

ClientSampled :

BG480

Tot Ion: 50 Resp: 2581

Ion Ratio Lower Upper

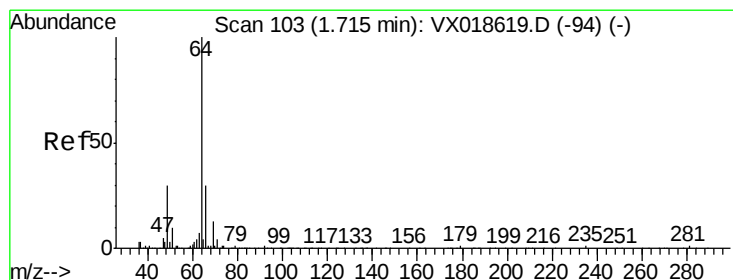
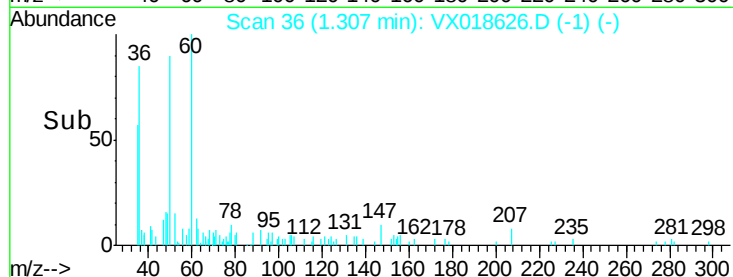
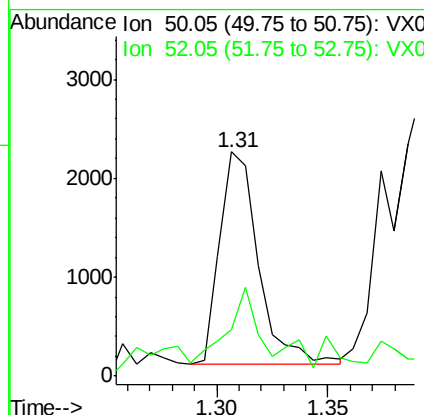
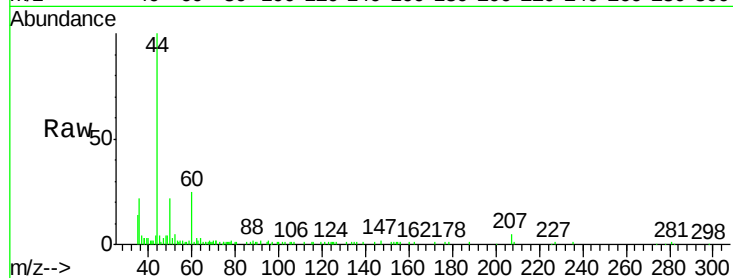
50 100

52 21.0 21.2 39.4#

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#8

Chloroethane

Concen: 6.335 ug/L

RT: 1.72 min Scan# 103

Delta R.T. -0.00 min

Lab File: VX018626.D

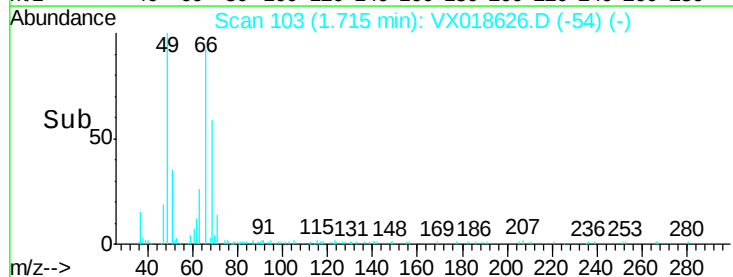
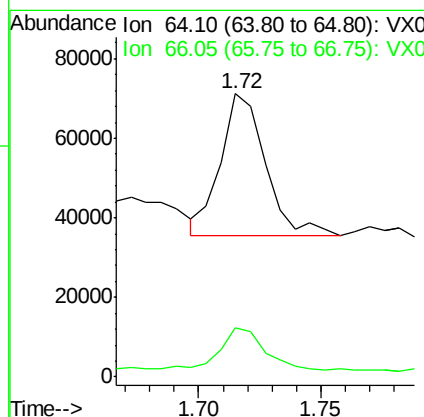
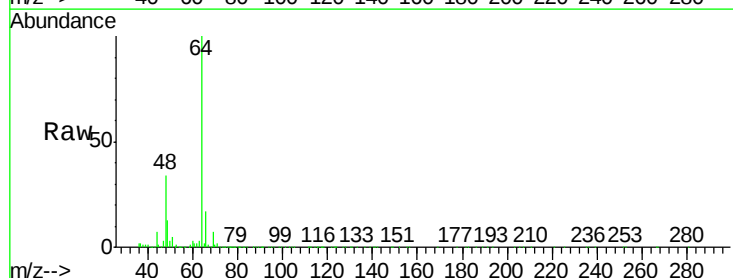
Acq: 28 Sep 2020 19:43

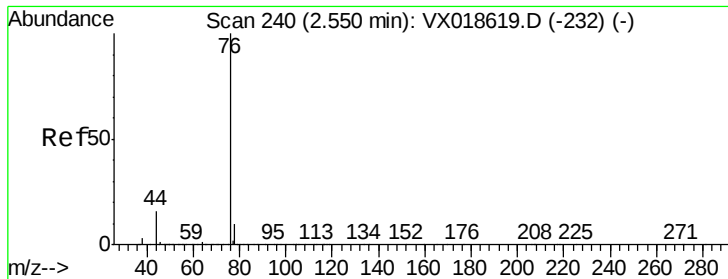
Tgt Ion: 64 Resp: 46287

Ion Ratio Lower Upper

64 100

66 17.4 22.3 41.3#





#14

Carbon disulfide

Concen: 0.256 ug/L m

RT: 2.56 min Scan# 241

Delta R.T. 0.01 min

Lab File: VX018626.D

Acq: 28 Sep 2020 19:43

Instrument :

MSVOA_X

ClientSampleId :

BG480

Tot Ion: 76 Resp: 9318

Ion Ratio Lower Upper

76 100

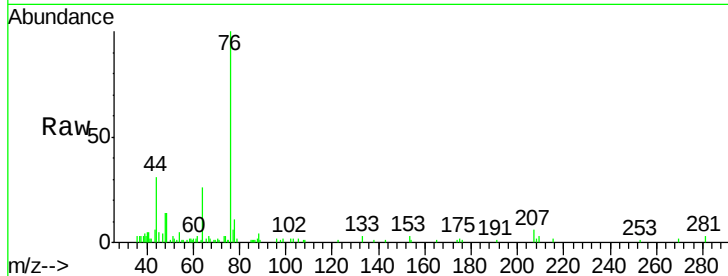
78 11.5 7.4 11.0#

Manual Integrations

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Abundance Ion 76.05 (75.75 to 76.75): VX0

Ion 78.00 (77.70 to 78.70): VX0

8000

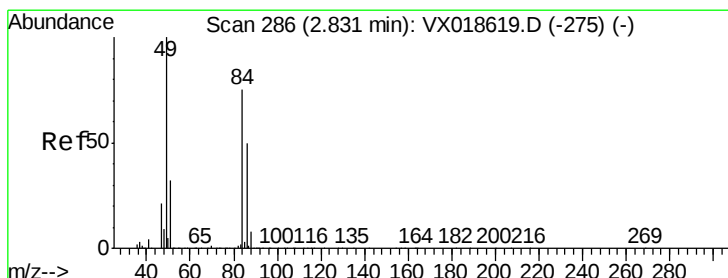
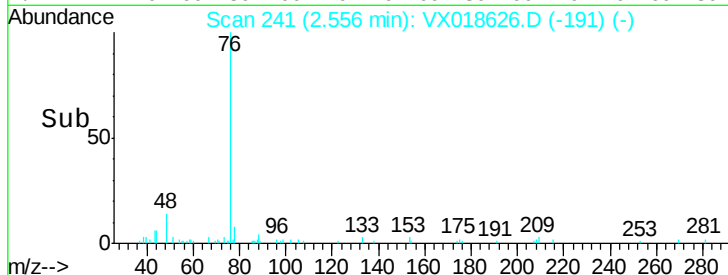
6000

4000

2000

0

Time-->



#16

Methylene chloride

Concen: 0.234 ug/L

RT: 2.84 min Scan# 287

Delta R.T. 0.01 min

Lab File: VX018626.D

Acq: 28 Sep 2020 19:43

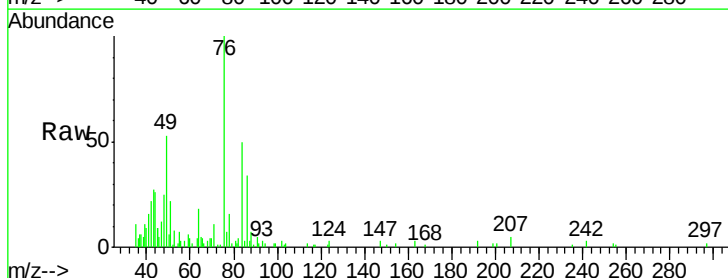
Tgt Ion: 84 Resp: 3836

Ion Ratio Lower Upper

84 100

86 67.3 41.9 77.7

49 106.6 80.8 150.2



Abundance Ion 84.05 (83.75 to 84.75): VX0

Ion 86.00 (85.70 to 86.70): VX0

Ion 49.10 (48.80 to 49.80): VX0

3000

2500

2000

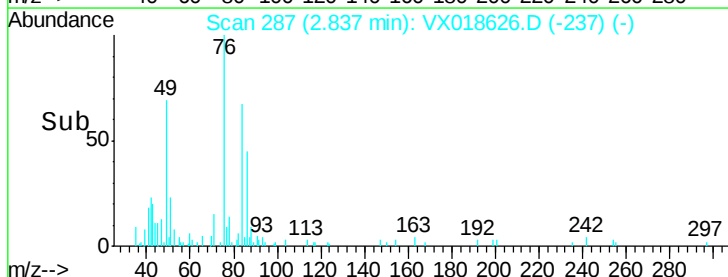
1500

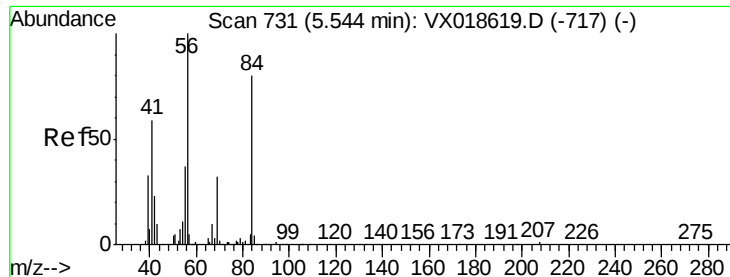
1000

500

0

Time-->





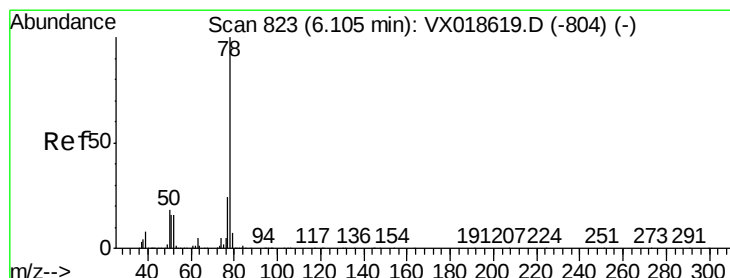
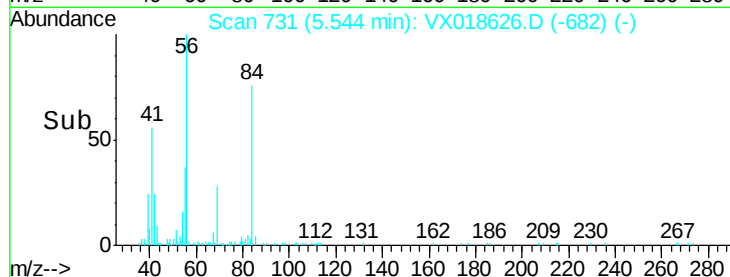
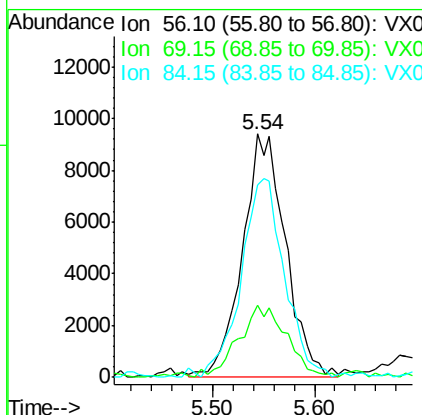
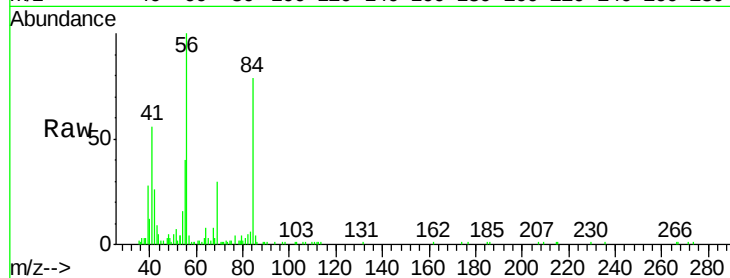
#30
Cyclohexane
Concen: 1.576 ug/L
RT: 5.54 min Scan# 731
Delta R.T. -0.00 min
Lab File: VX018626.D
Acq: 28 Sep 2020 19:43

Instrument :
MSVOA_X
ClientSampleId :
BG480

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
69	32.7	26.4	39.6	
84	81.6	72.7	109.1	

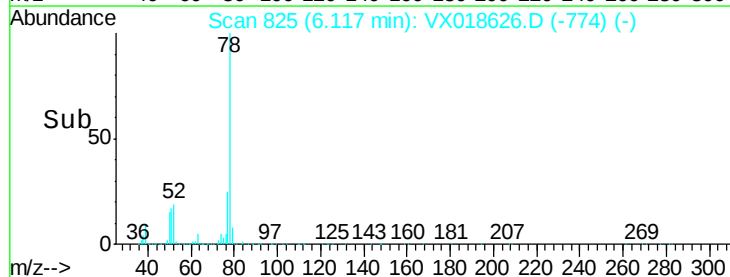
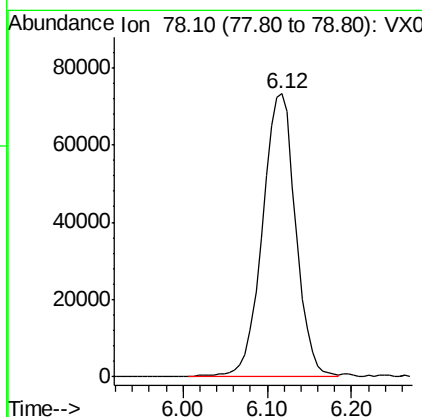
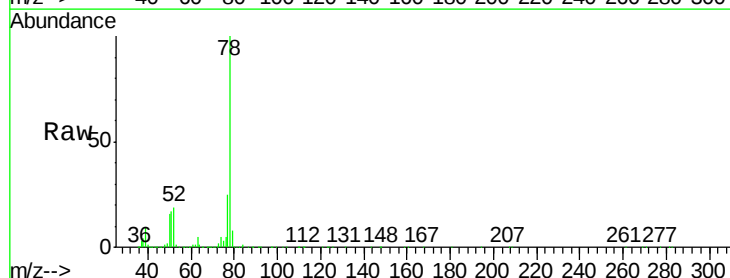
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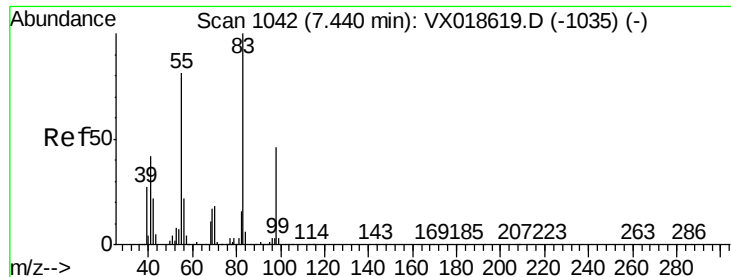
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#33
Benzene
Concen: 4.465 ug/L
RT: 6.12 min Scan# 825
Delta R.T. 0.01 min
Lab File: VX018626.D
Acq: 28 Sep 2020 19:43

Tgt Ion: 78 Resp: 199763





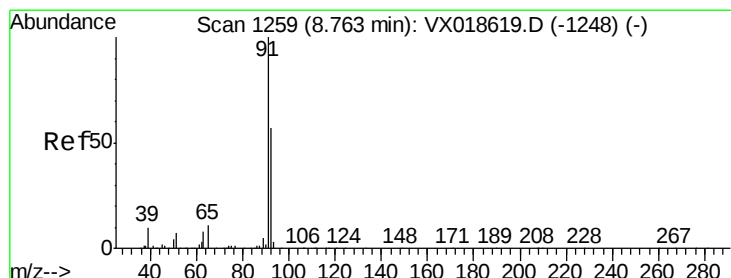
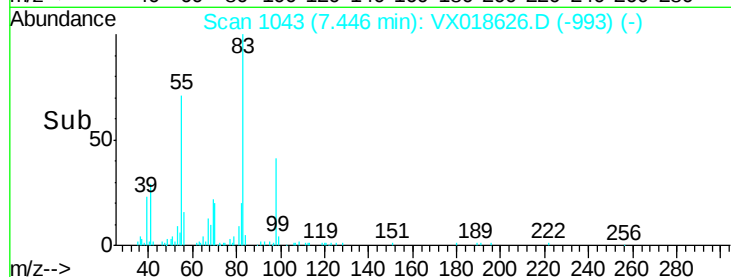
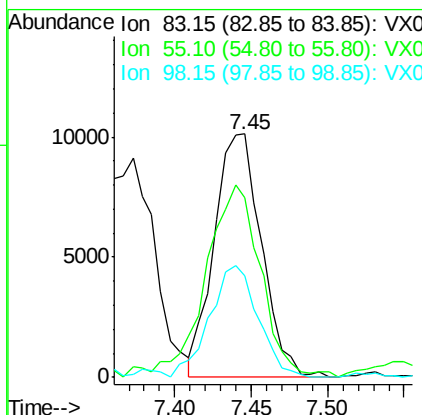
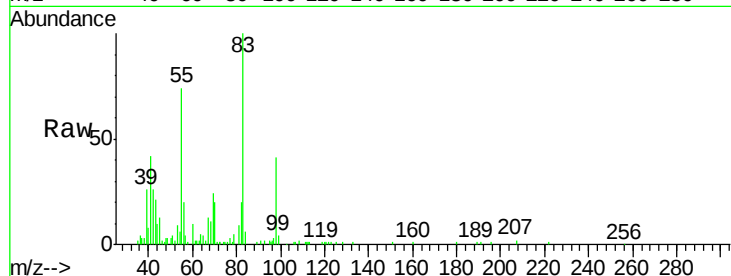
#35
Methvlcvclohexane
Concen: 1.210 ug/L
RT: 7.45 min Scan# 1043
Delta R.T. 0.01 min
Lab File: VX018626.D
Acq: 28 Sep 2020 19:43

Instrument :
MSVOA_X
ClientSampleId :
BG480

Tot Ion	Ratio	Lower	Upper
83	100		
55	92.7	67.4	101.0
98	47.0	41.1	61.7

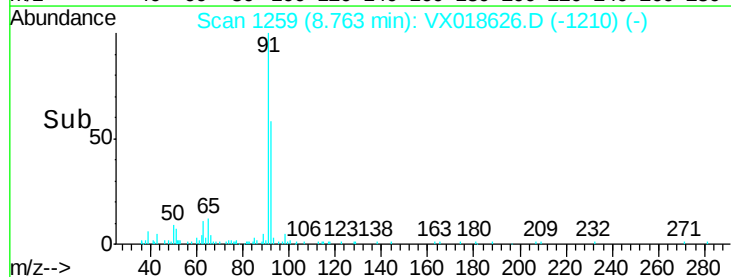
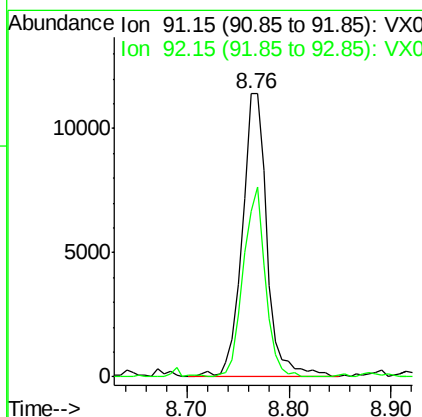
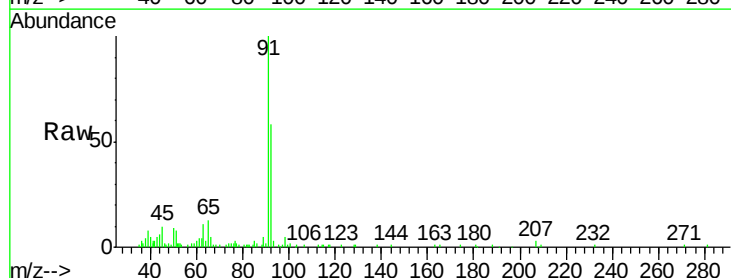
Manual Integrations
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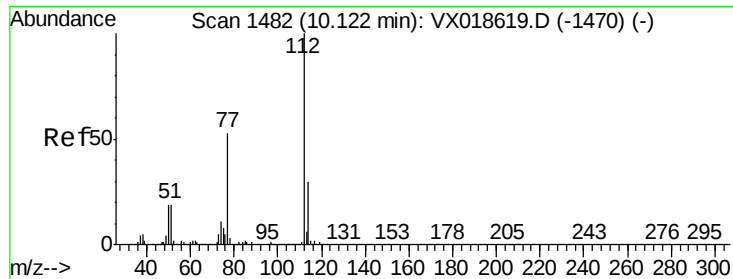
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#42
Toluene
Concen: 0.398 ug/L
RT: 8.76 min Scan# 1259
Delta R.T. -0.00 min
Lab File: VX018626.D
Acq: 28 Sep 2020 19:43

Tgt Ion	Ratio	Lower	Upper
91	100		
92	58.5	41.1	76.3





#53

Chlorobenzene

Concen: 408.899 ug/L

RT: 10.12 min Scan# 1482

Delta R.T. -0.00 min

Lab File: VX018626.D

Acq: 28 Sep 2020 19:43

Instrument :

MSVOA_X

ClientSampleId :

BG480

Tot Ion:112 Resp:13053554

Ion Ratio Lower Upper

112 100

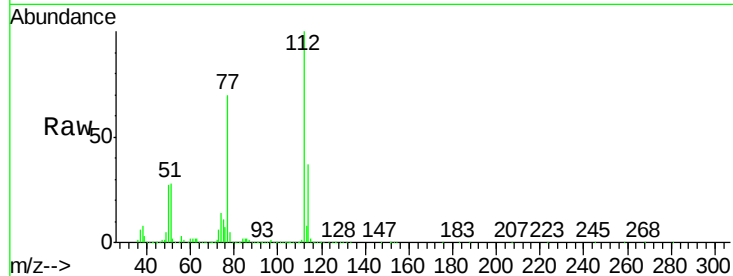
114 36.9 20.6 38.4

77 70.3 46.6 69.8#

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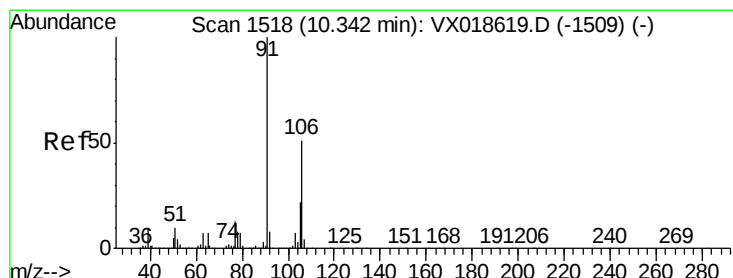
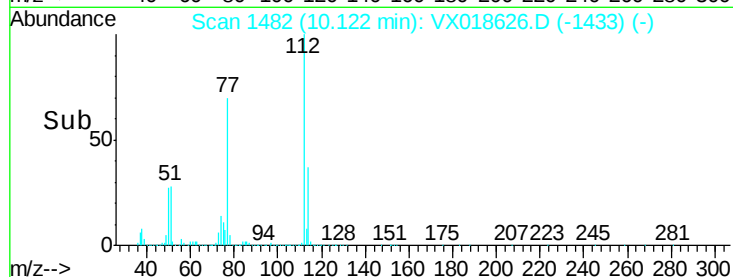
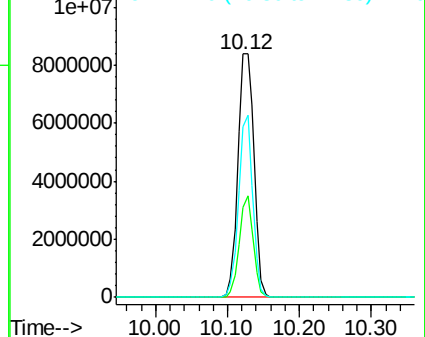
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Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VX0



#55

m,p-xylene

Concen: 0.149 ug/L

RT: 10.34 min Scan# 1518

Delta R.T. -0.00 min

Lab File: VX018626.D

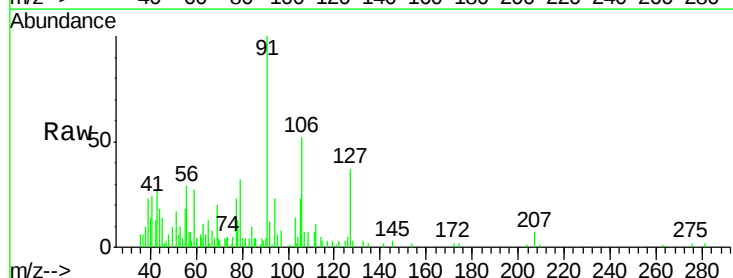
Acq: 28 Sep 2020 19:43

Tgt Ion:106 Resp: 2996

Ion Ratio Lower Upper

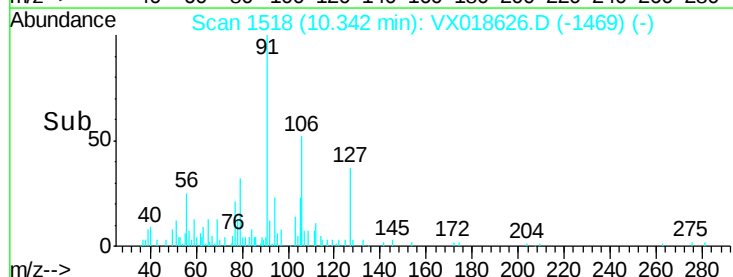
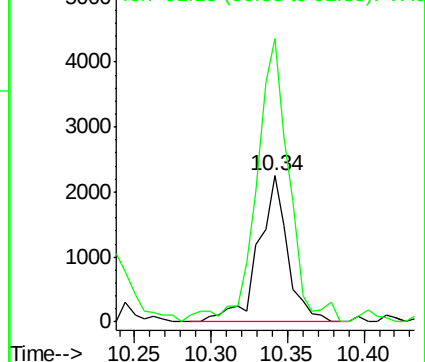
106 100

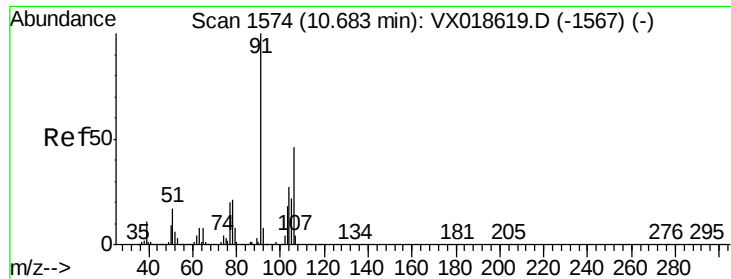
91 193.7 140.3 260.6



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VX0





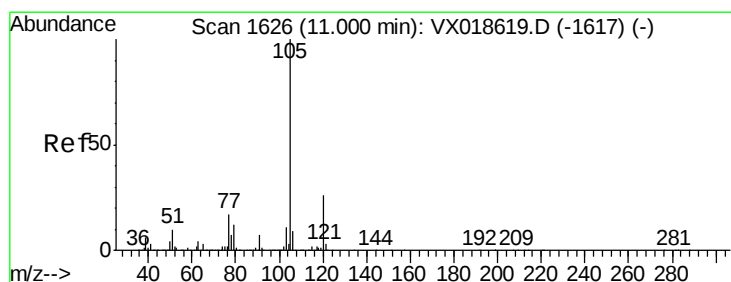
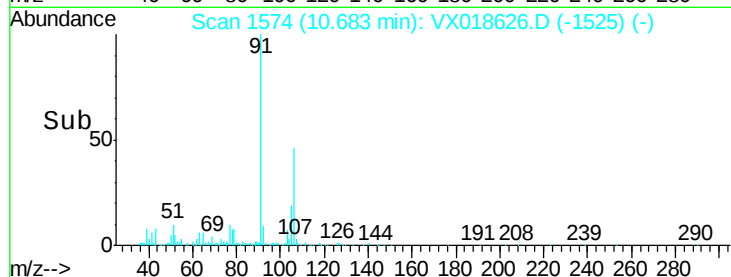
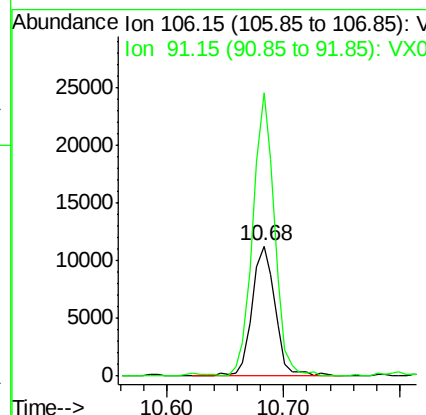
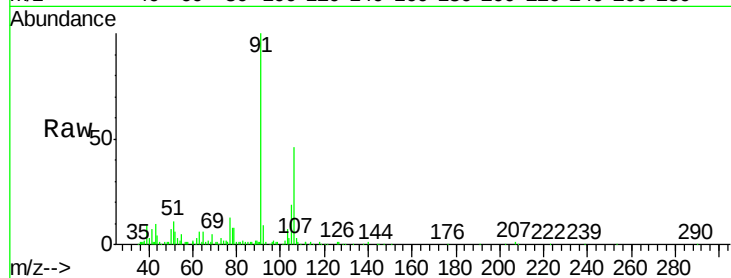
#56
o-xylene
Concen: 0.828 ug/L
RT: 10.68 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VX018626.D
Acq: 28 Sep 2020 19:43

Instrument :
MSVOA_X
ClientSampled :
BG480

Tot Ion:106 Resp: 15742
Ion Ratio Lower Upper
106 100
91 217.9 167.5 311.1

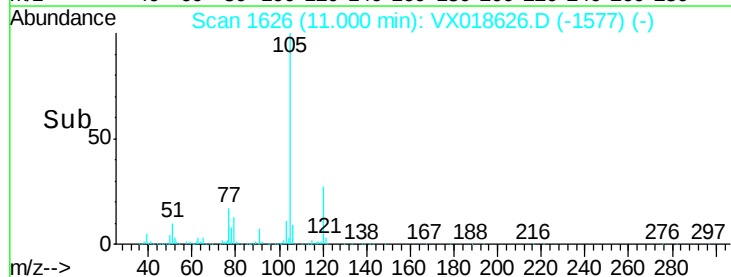
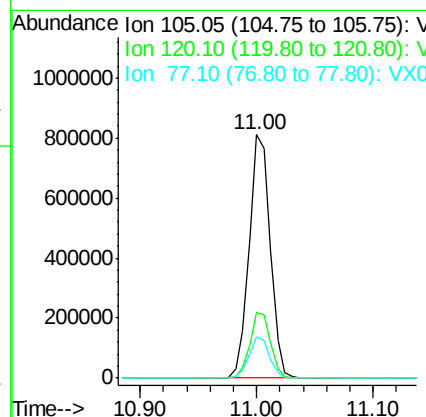
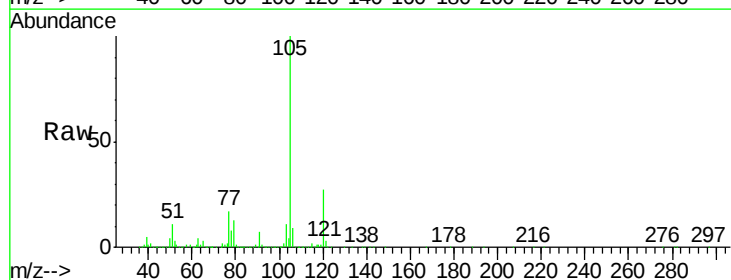
Manual Integrations
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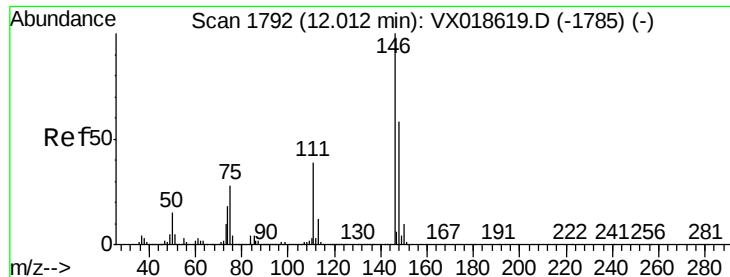
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#58
Isopropylbenzene
Concen: 20.166 ug/L
RT: 11.00 min Scan# 1626
Delta R.T. -0.00 min
Lab File: VX018626.D
Acq: 28 Sep 2020 19:43

Tgt Ion:105 Resp: 1028339
Ion Ratio Lower Upper
105 100
120 26.6 21.2 31.8
77 16.4 13.3 19.9





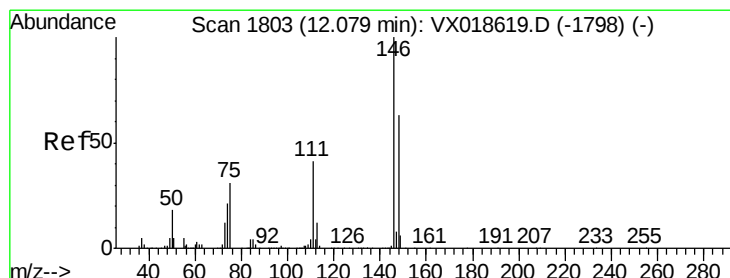
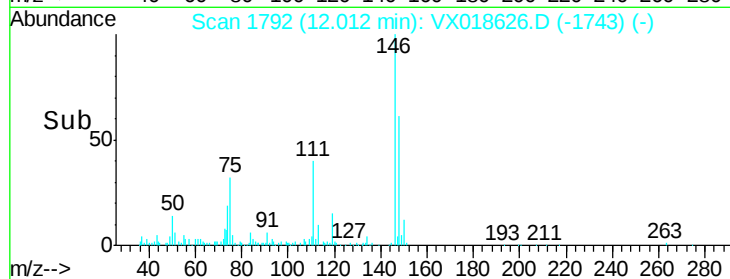
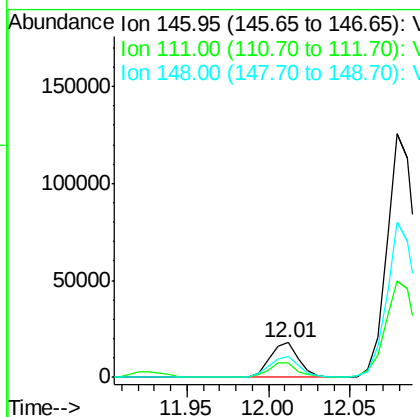
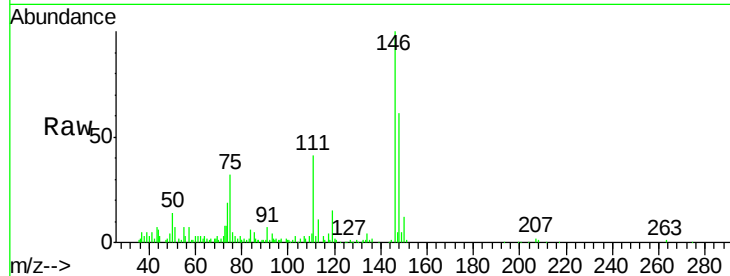
#63
 1,3-Dichlorobenzene
 Concen: 0.825 ug/L
 RT: 12.01 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX018626.D
 Acq: 28 Sep 2020 19:43

Instrument :
 MSVOA_X
 ClientSampleId :
 BG480

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.7	26.7	49.7
148	61.5	44.4	82.5

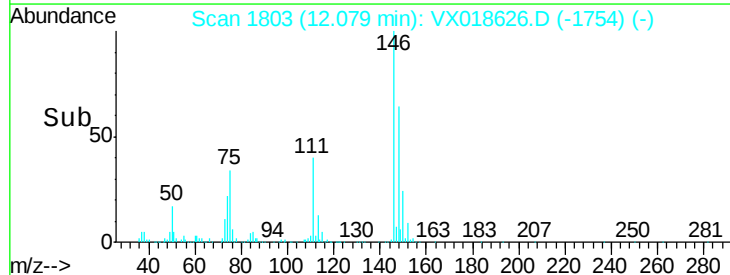
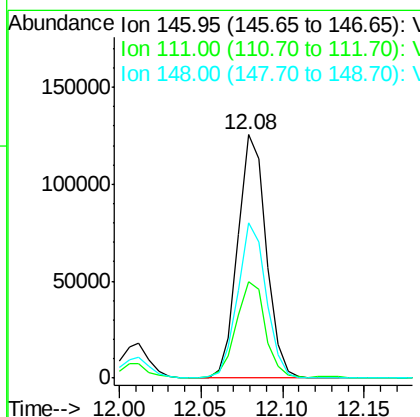
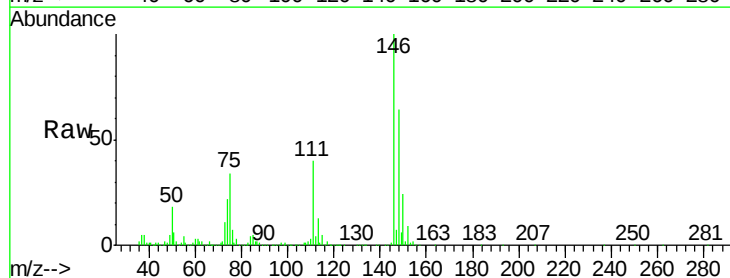
Manual Integrations
 APPROVED

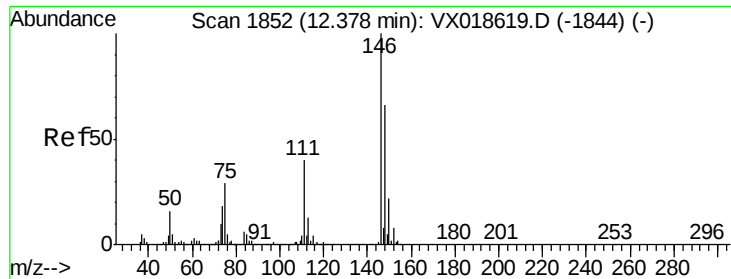
MMDadoda
 9/29/2020 9:43:32 AM



#64
 1,4-Dichlorobenzene
 Concen: 5.656 ug/L
 RT: 12.08 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VX018626.D
 Acq: 28 Sep 2020 19:43

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.6	28.8	53.4
148	63.8	44.9	83.3





#66
 1,2-Dichlorobenzene
 Concen: 2.513 ug/L
 RT: 12.38 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: VX018626.D
 Acq: 28 Sep 2020 19:43

Instrument :
 MSVOA_X
 ClientSampleId :
 BG480

Tot Ion:	146	Resp:	62333
Ion Ratio	Lower	Upper	
146	100		
111	40.1	33.6	50.4
148	63.1	53.4	80.2

Manual Integrations
 APPROVED

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 9/29/2020 9:43:32 AM

