

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VOX092820\
 Data File : VX018630.D
 Acq On : 28 Sep 2020 21:20
 Operator : JC/SP
 Sample : L4135-10
 Misc : 25.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BG483

Manual Integrations
 APPROVED

MMDadoda
 9/29/2020 9:43:42 AM

Quant Time: Sep 29 05:09:31 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	283571	5.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	263290	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	12.06	152	143520	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	61635	4.15	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.00%
7) Chloroethane-d5	1.70	69	53381	4.27	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	85.40%
11) 1,1-Dichloroethene-d2	2.34	63	113228	3.45	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	69.00%
20) 2-Butanone-d5	4.57	46	175190	46.30	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	92.60%
24) Chloroform-d	5.14	84	153807	4.37	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.40%
26) 1,2-Dichloroethane-d4	6.03	65	84087	4.10	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.00%
32) Benzene-d6	6.05	84	284224	4.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.60%
36) 1,2-Dichloropropane-d6	7.37	67	87091	4.70	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.00%
41) Toluene-d8	8.70	98	269366	4.45	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.00%
45) trans-1,3-Dichloropropene-	8.99	79	36722	4.46	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.20%
48) 2-Hexanone-d5	9.43	63	150984	51.19	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.38%
59) 1,1,2,2-Tetrachloroethane-	11.23	84	67167	4.87	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.40%
65) 1,2-Dichlorobenzene-d4	12.36	152	110122	4.70	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.00%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.19	85	2233	0.130	ug/L	94
8) Chloroethane	1.71	64	320792	37.994	ug/L	99
14) Carbon disulfide	2.56	76	7077m	0.168	ug/L	
16) Methylene chloride	2.84	84	5154	0.272	ug/L	89
18) trans-1,2-Dichloroethene	3.15	96	4249	0.307	ug/L	97
30) Cyclohexane	5.55	56	69919	3.505	ug/L	98
33) Benzene	6.12	78	7085094	139.571	ug/L	100
35) Methylcyclohexane	7.45	83	37602	1.840	ug/L #	86
42) Toluene	8.76	91	61542	1.122	ug/L	90
53) Chlorobenzene	10.12	112	19391959	535.368	ug/L #	47
54) Ethylbenzene	10.24	91	150115	2.513	ug/L	97
55) m,p-xylene	10.34	106	116514	5.102	ug/L	92
56) o-xylene	10.68	106	464589	21.530	ug/L	83
58) Isopropylbenzene	11.00	105	3420110	59.112	ug/L	99
63) 1,3-Dichlorobenzene	12.01	146	63923	2.049	ug/L	96
64) 1,4-Dichlorobenzene	12.09	146	466609	14.805	ug/L	96
66) 1,2-Dichlorobenzene	12.38	146	182517	6.279	ug/L	95

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Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Sep 29 02:30:52 2020
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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

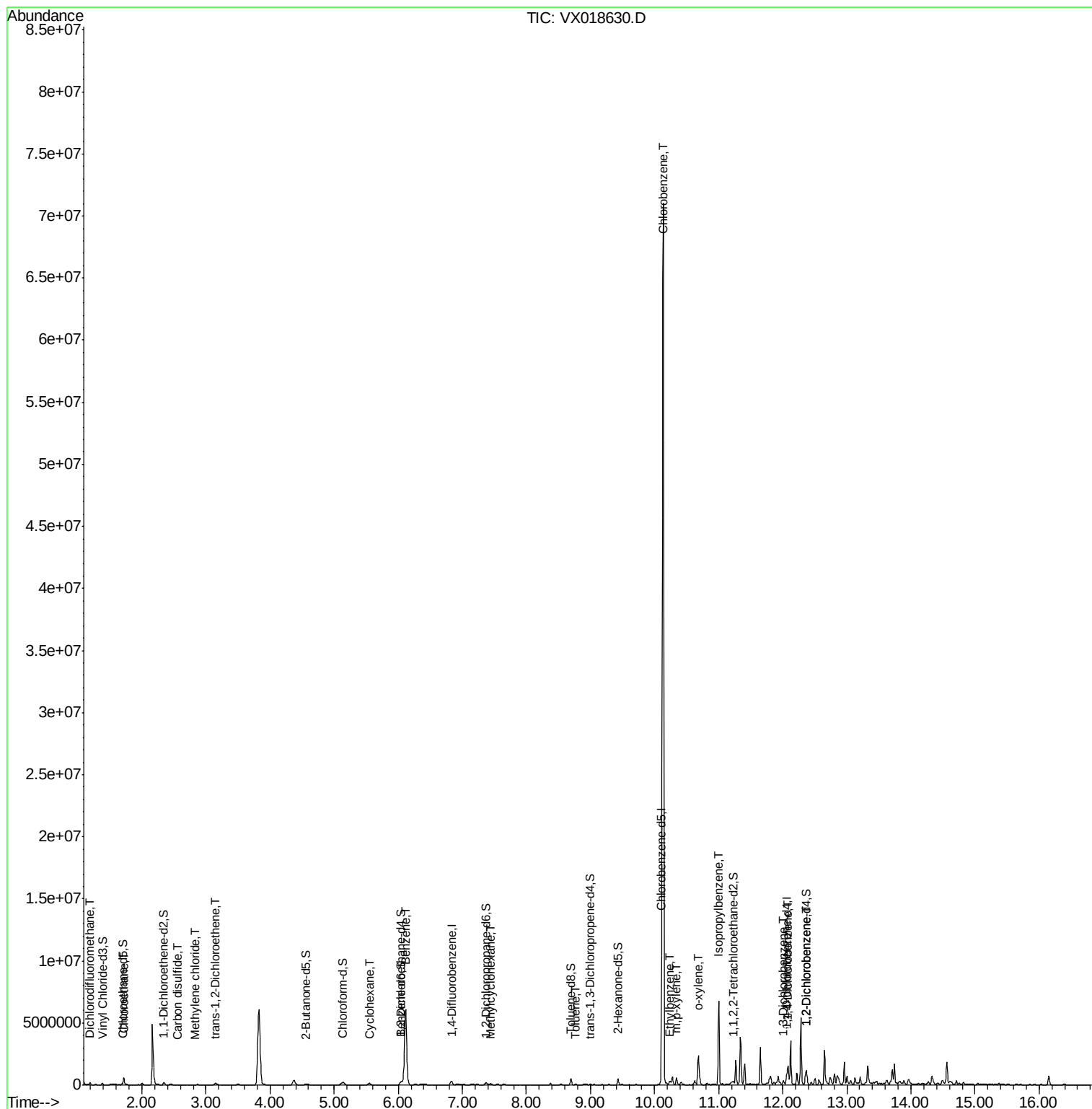
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX092820\
Data File : VX018630.D
Acq On : 28 Sep 2020 21:20
Operator : JC/SP
Sample : L4135-10
Misc : 25.0mL/MSVOA X/WATER
ALS Vial : 22 Sample Multiplier: 1

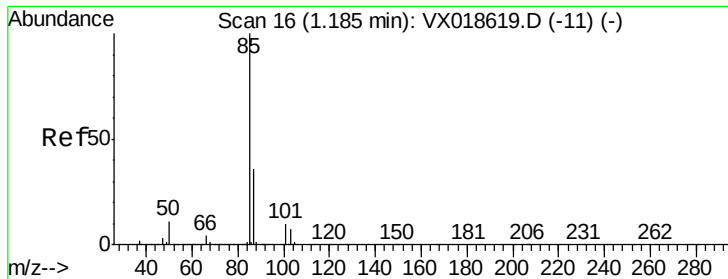
Instrument :
MSVOA_X
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BG483

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#2

Dichlorodifluoromethane

Concen: 0.130 ug/L

RT: 1.19 min Scan# 17

Delta R.T. 0.01 min

Lab File: VX018630.D

Acq: 28 Sep 2020 21:20

Instrument :

MSVOA_X

ClientSampled :

BG483

Tot Ion: 85 Resp: 2233

Ion Ratio Lower Upper

85 100

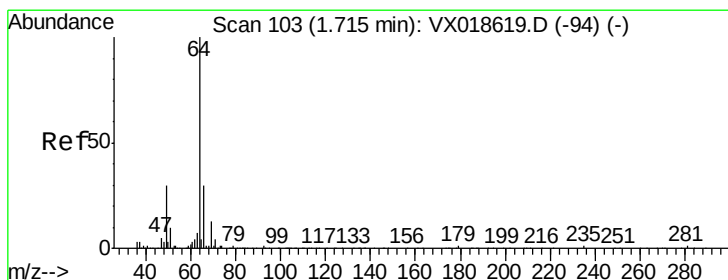
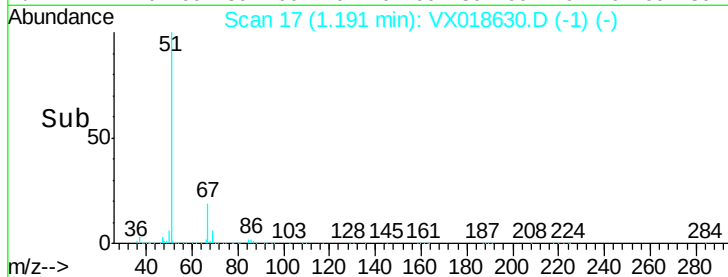
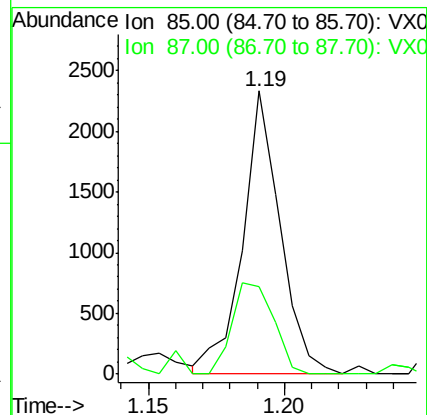
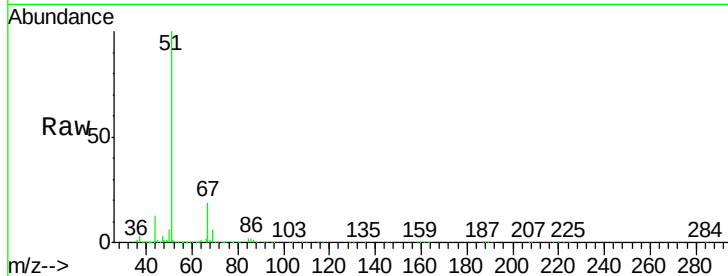
87 35.9 26.1 39.1

Manual Integrations

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#8

Chloroethane

Concen: 37.994 ug/L

RT: 1.71 min Scan# 103

Delta R.T. -0.00 min

Lab File: VX018630.D

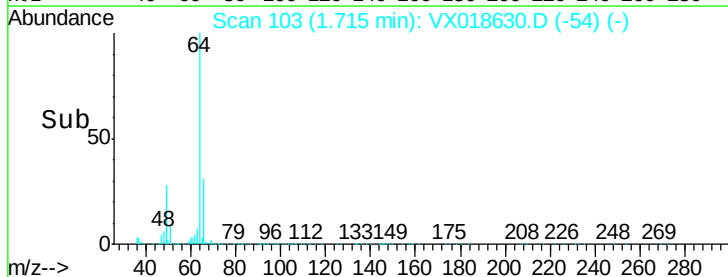
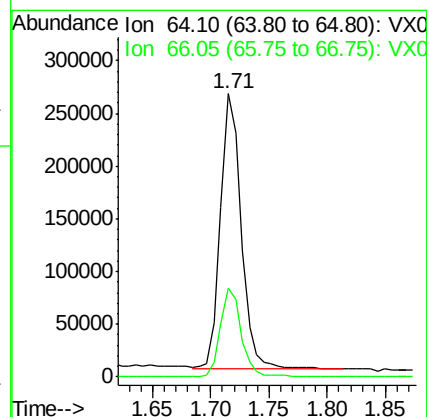
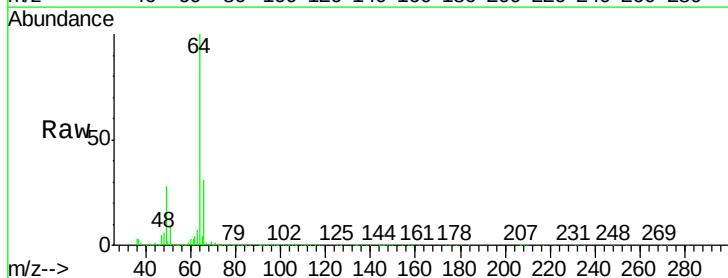
Acq: 28 Sep 2020 21:20

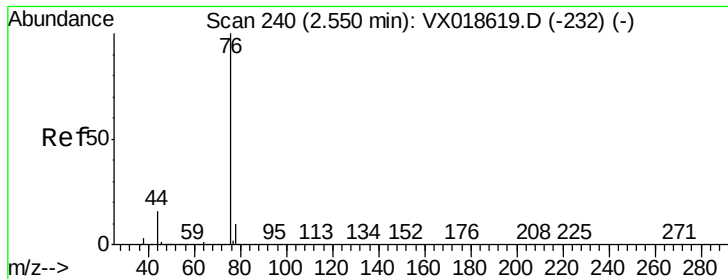
Tgt Ion: 64 Resp: 320792

Ion Ratio Lower Upper

64 100

66 31.3 22.3 41.3





#14

Carbon disulfide

Concen: 0.168 ug/L m

RT: 2.56 min Scan# 241

Delta R.T. 0.01 min

Lab File: VX018630.D

Acq: 28 Sep 2020 21:20

Instrument :

MSVOA_X

ClientSampleId :

BG483

Tot Ion: 76 Resp: 7077

Ion Ratio Lower Upper

76 100

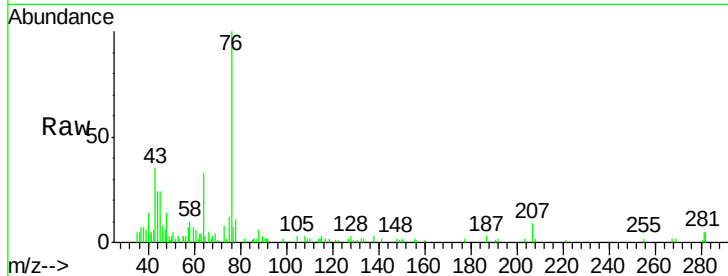
78 11.5 7.4 11.0#

Manual Integrations

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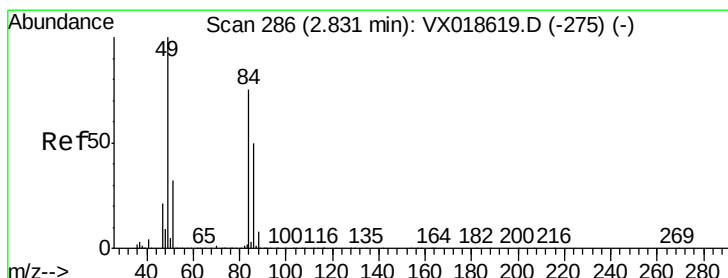
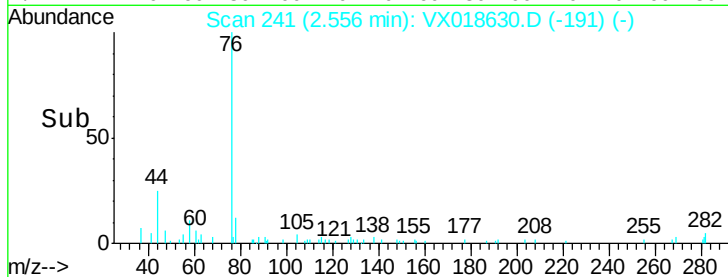
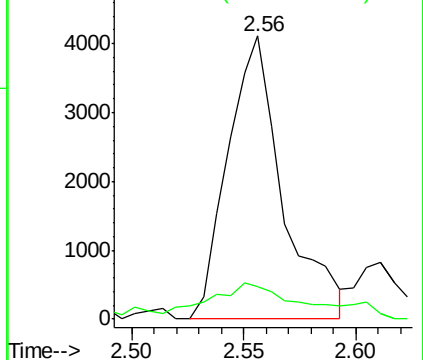
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Abundance Ion 76.05 (75.75 to 76.75): VX0

Ion 78.00 (77.70 to 78.70): VX0



#16

Methylene chloride

Concen: 0.272 ug/L

RT: 2.84 min Scan# 287

Delta R.T. 0.01 min

Lab File: VX018630.D

Acq: 28 Sep 2020 21:20

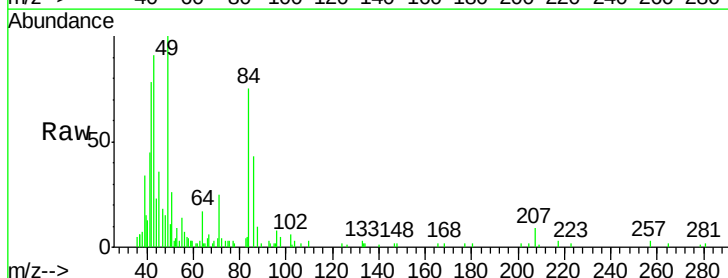
Tgt Ion: 84 Resp: 5154

Ion Ratio Lower Upper

84 100

86 57.6 41.9 77.7

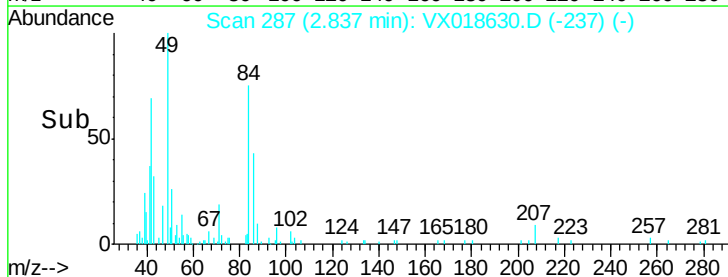
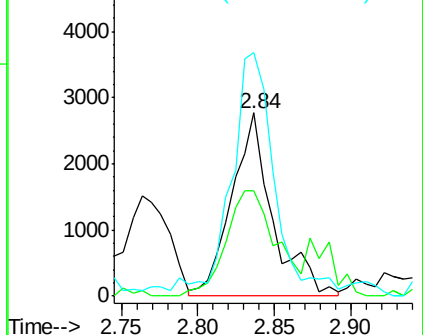
49 132.8 80.8 150.2

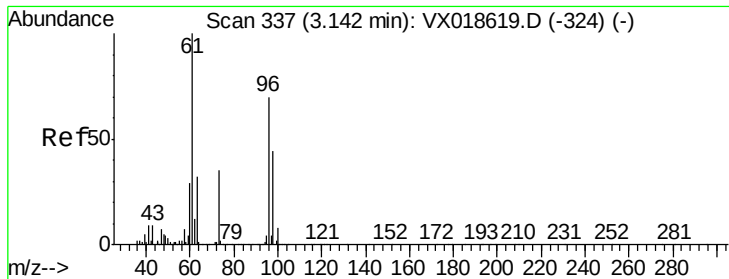


Abundance Ion 84.05 (83.75 to 84.75): VX0

Ion 86.00 (85.70 to 86.70): VX0

Ion 49.10 (48.80 to 49.80): VX0





#18

trans-1,2-Dichloroethene

Concen: 0.307 ug/L

RT: 3.15 min Scan# 338

Delta R.T. 0.01 min

Lab File: VX018630.D

Acq: 28 Sep 2020 21:20

Instrument :

MSVOA_X

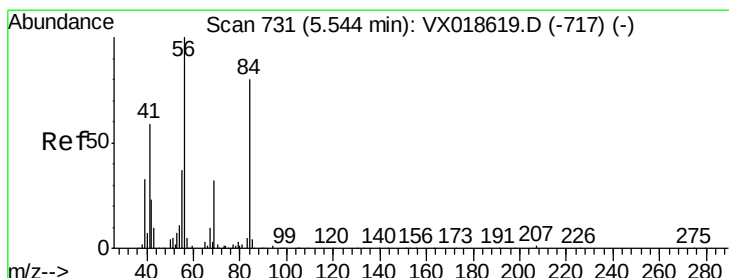
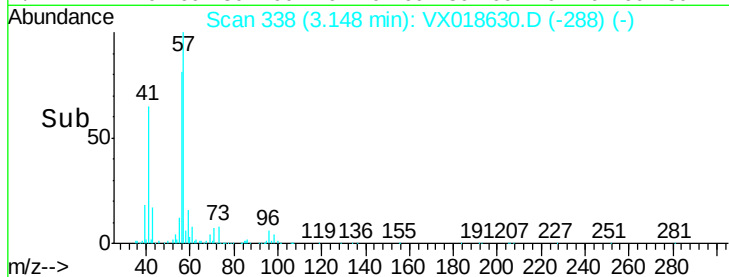
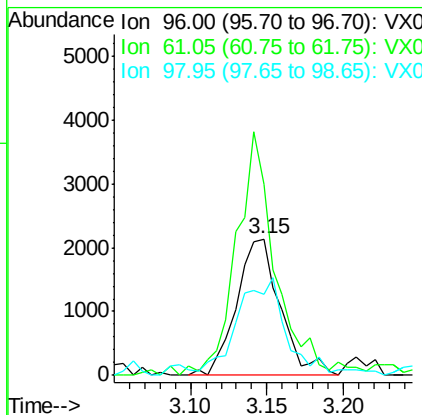
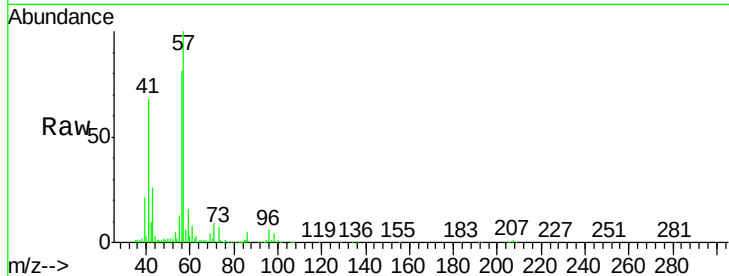
ClientSampled :

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Tot Ion:	96	Resp:	4249
Ion	Ratio	Lower	Upper
96	100		
61	139.9	97.3	180.7
98	59.4	46.6	86.6

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#30

Cyclohexane

Concen: 3.505 ug/L

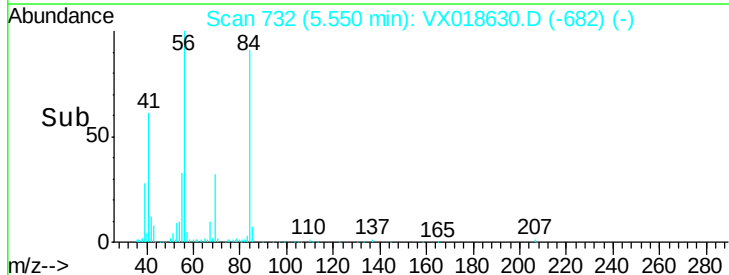
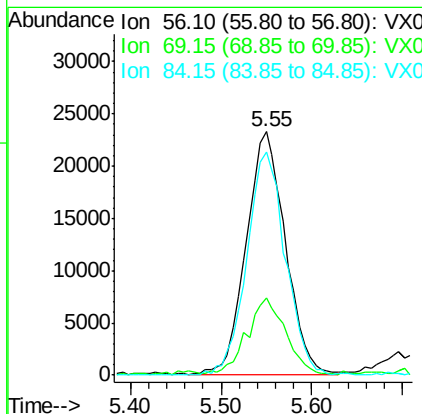
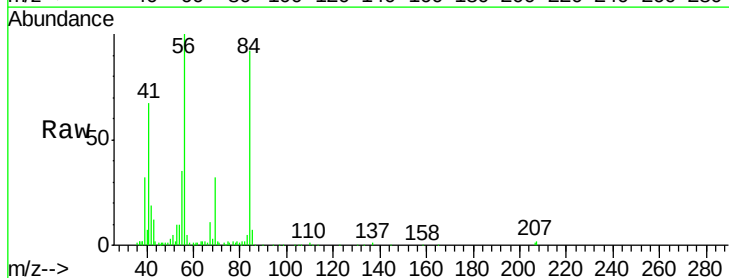
RT: 5.55 min Scan# 732

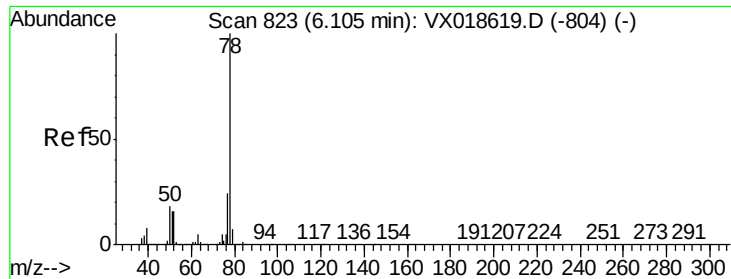
Delta R.T. 0.01 min

Lab File: VX018630.D

Acq: 28 Sep 2020 21:20

Tgt Ion:	56	Resp:	69919
Ion	Ratio	Lower	Upper
56	100		
69	30.2	26.4	39.6
84	90.2	72.7	109.1





#33

Benzene

Concen: 139.571 ug/L

RT: 6.12 min Scan# 825

Delta R.T. 0.01 min

Lab File: VX018630.D

Acq: 28 Sep 2020 21:20

Instrument :

MSVOA_X

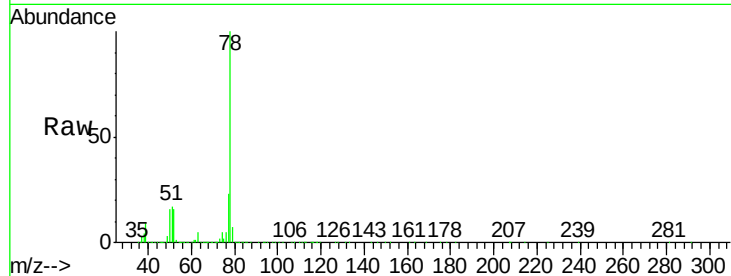
ClientSampleId :

BG483

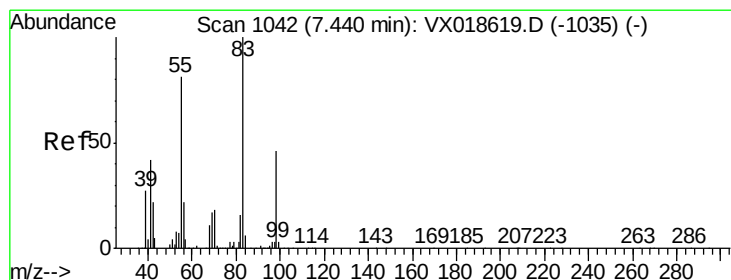
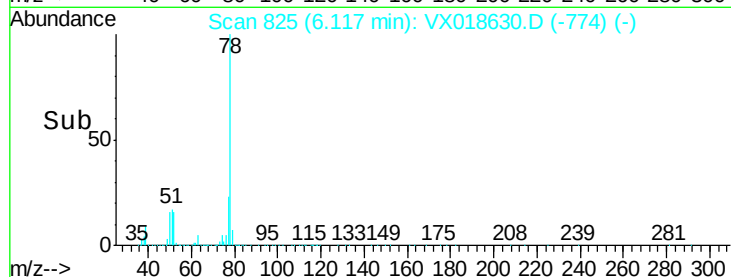
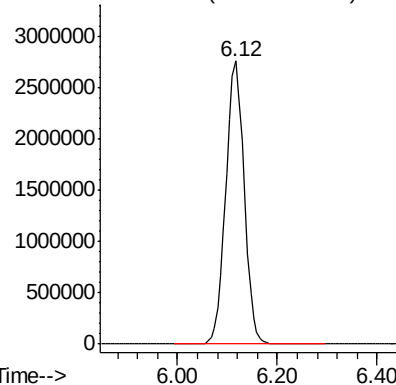
Tgt Ion: 78 Resp: 7085094

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Abundance Ion 78.10 (77.80 to 78.80): VX0



#35

Methylcyclohexane

Concen: 1.840 ug/L

RT: 7.45 min Scan# 1043

Delta R.T. 0.01 min

Lab File: VX018630.D

Acq: 28 Sep 2020 21:20

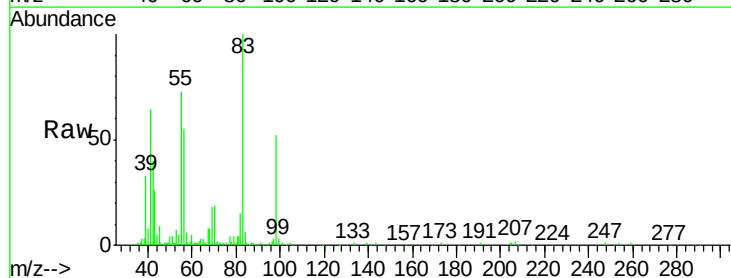
Tgt Ion: 83 Resp: 37602

Ion	Ratio	Lower	Upper
83	100		
55	101.2	67.4	101.0#
98	46.4	41.1	61.7

83 100

55 101.2 67.4 101.0#

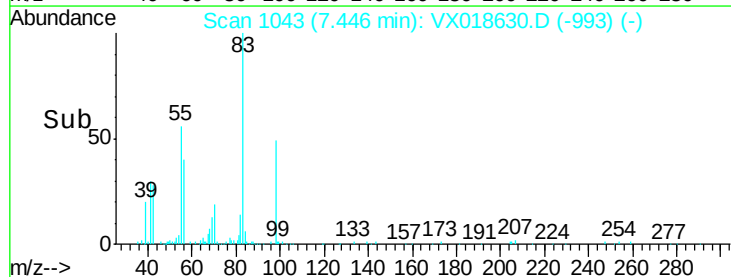
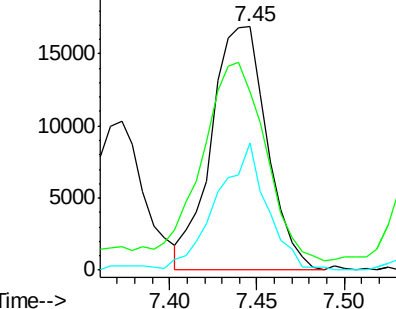
98 46.4 41.1 61.7

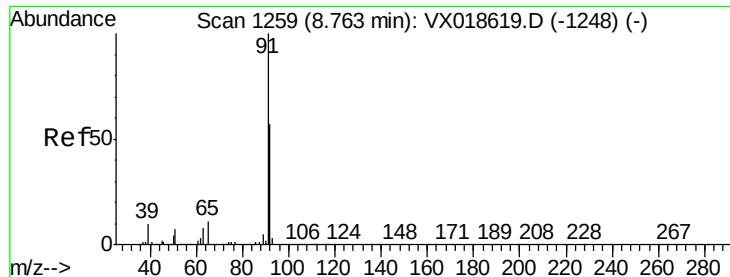


Abundance Ion 83.15 (82.85 to 83.85): VX0

Ion 55.10 (54.80 to 55.80): VX0

Ion 98.15 (97.85 to 98.85): VX0





#42

Toluene

Concen: 1.122 ug/L

RT: 8.76 min Scan# 1259

Delta R.T. -0.00 min

Lab File: VX018630.D

Acq: 28 Sep 2020 21:20

Instrument :

MSVOA_X

ClientSampled :

BG483

Tot Ion: 91 Resp: 61542

Ion Ratio Lower Upper

91 100

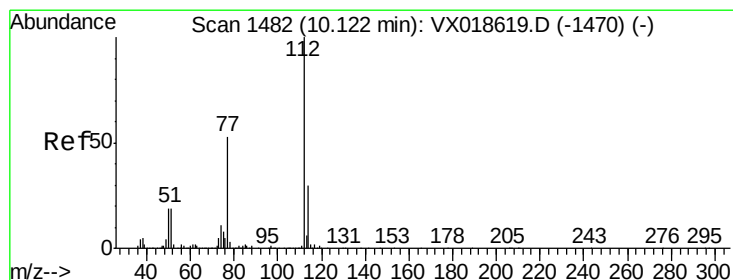
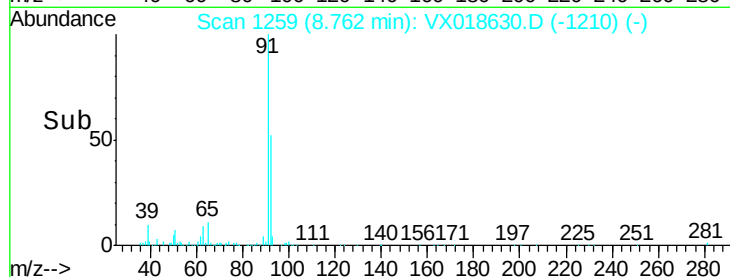
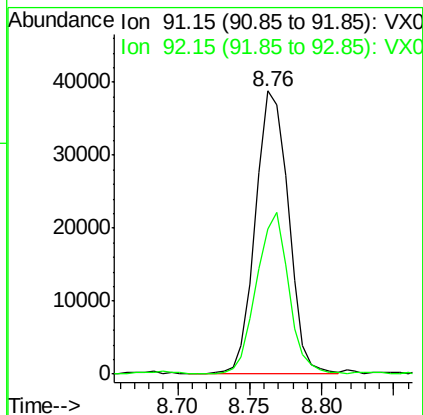
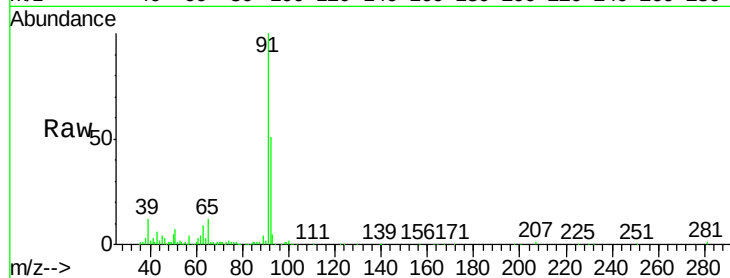
92 51.4 41.1 76.3

Manual Integrations

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#53

Chlorobenzene

Concen: 535.368 ug/L

RT: 10.12 min Scan# 1482

Delta R.T. -0.00 min

Lab File: VX018630.D

Acq: 28 Sep 2020 21:20

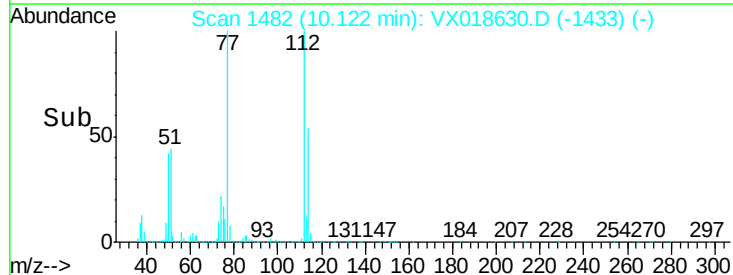
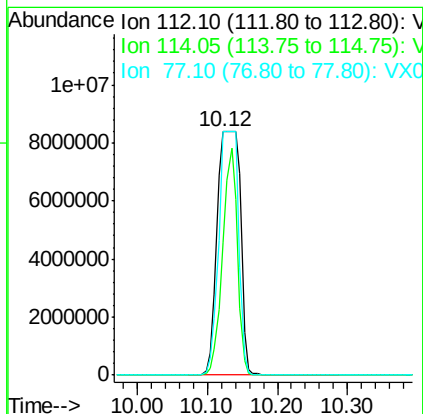
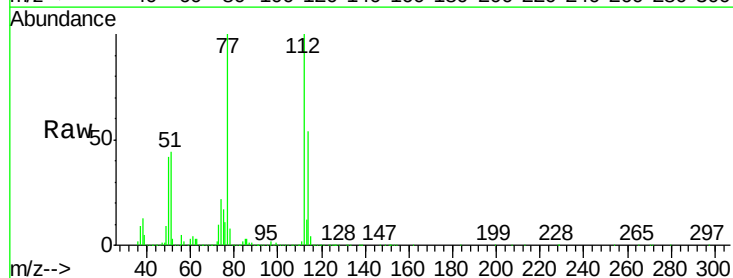
Tgt Ion: 112 Resp: 19391959

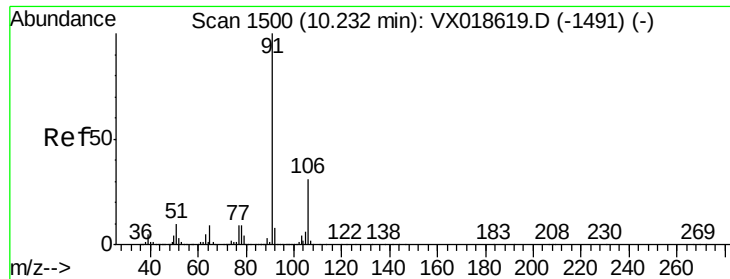
Ion Ratio Lower Upper

112 100

114 54.2 20.6 38.4#

77 100.0 46.6 69.8#





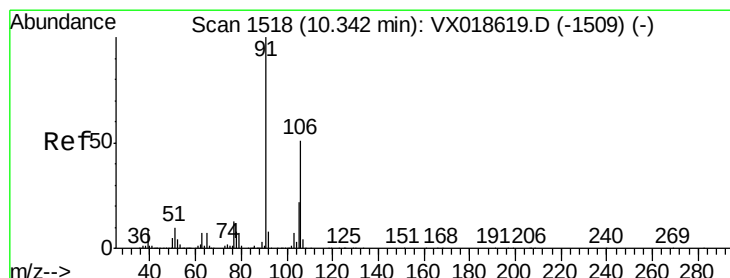
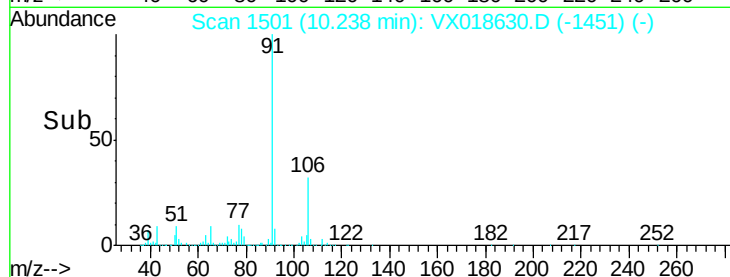
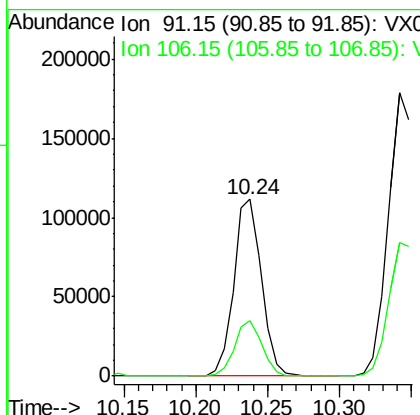
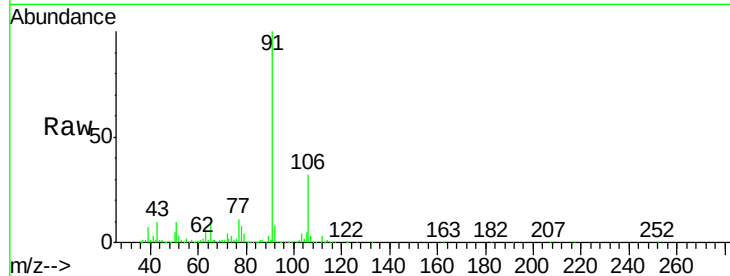
#54
Ethylbenzene
Concen: 2.513 ug/L
RT: 10.24 min Scan# 1501
Delta R.T. 0.01 min
Lab File: VX018630.D
Acq: 28 Sep 2020 21:20

Instrument :
MSVOA_X
ClientSampleId :
BG483

Tot Ion	Ratio	Lower	Upper
91	100		
106	31.7	21.0	39.0

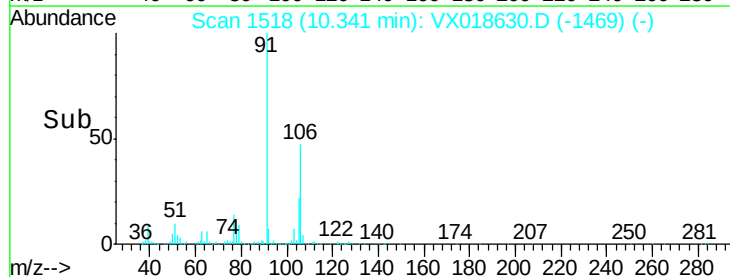
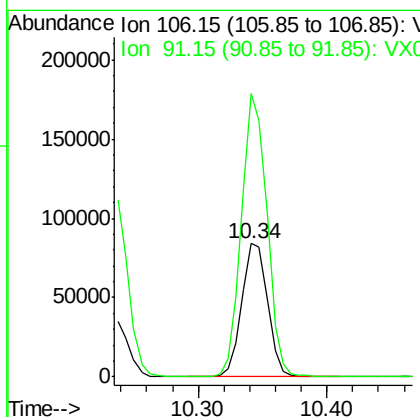
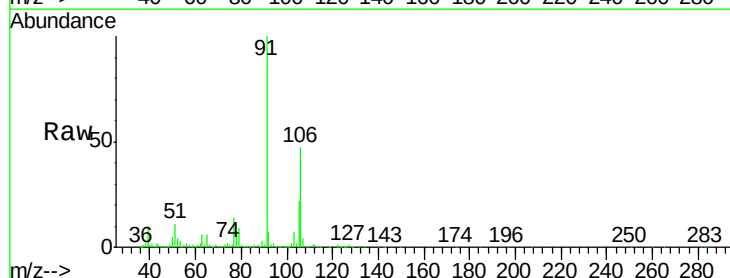
Manual Integrations
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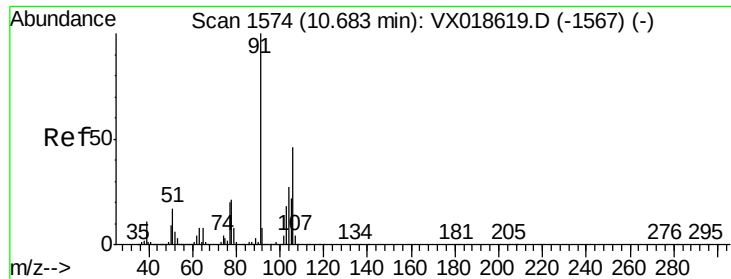
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#55
m,p-xylene
Concen: 5.102 ug/L
RT: 10.34 min Scan# 1518
Delta R.T. -0.00 min
Lab File: VX018630.D
Acq: 28 Sep 2020 21:20

Tgt Ion	Ratio	Lower	Upper
106	100		
91	212.2	140.3	260.6





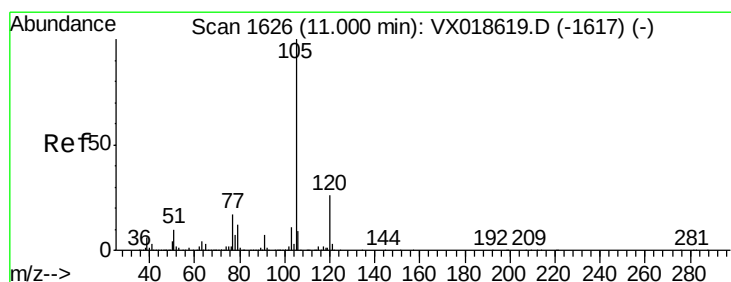
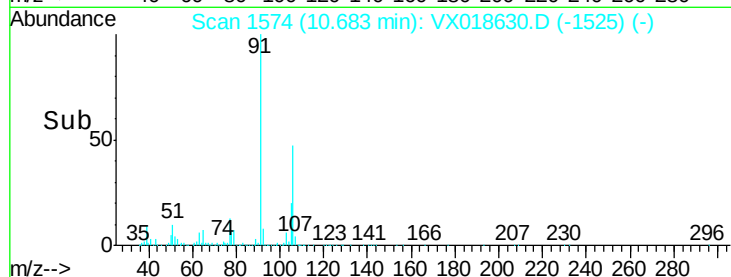
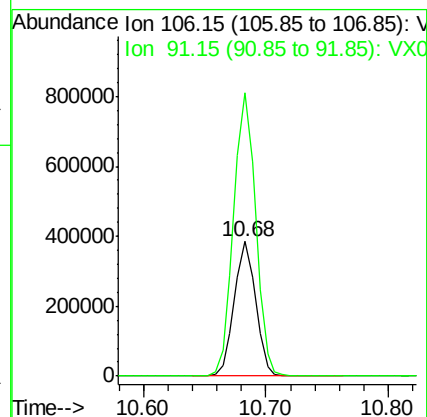
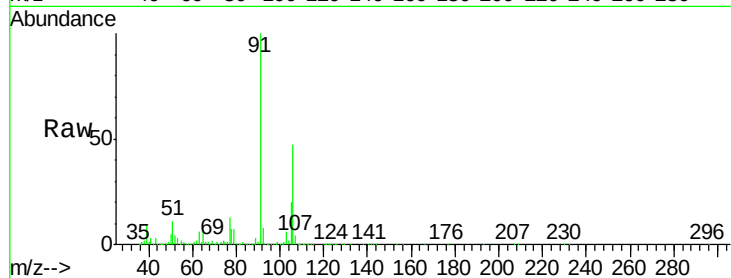
#56
o-xylene
Concen: 21.530 ug/L
RT: 10.68 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VX018630.D
Acq: 28 Sep 2020 21:20

Instrument :
MSVOA_X
ClientSampled :
BG483

Tot Ion	Ratio	Resp	Lower	Upper
106	100	464589		
91	210.8	167.5	311.1	

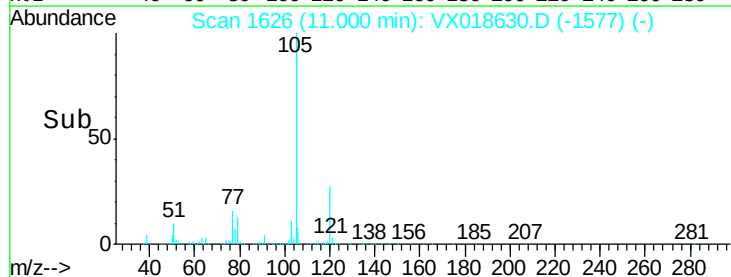
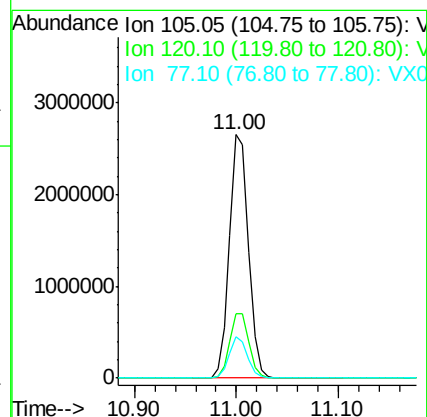
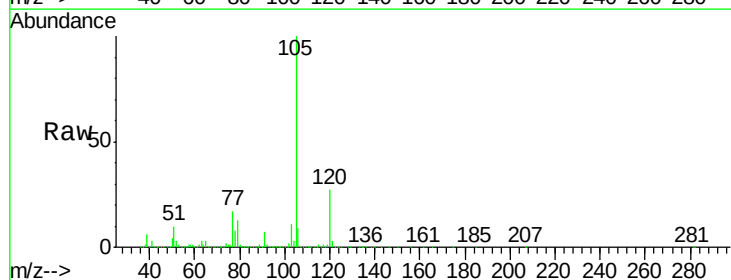
Manual Integrations
APPROVED

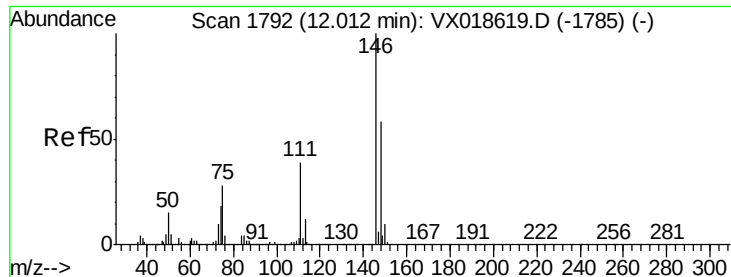
MMDadoda
9/29/2020 9:43:42 AM



#58
Isopropylbenzene
Concen: 59.112 ug/L
RT: 11.00 min Scan# 1626
Delta R.T. -0.00 min
Lab File: VX018630.D
Acq: 28 Sep 2020 21:20

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	3420110		
120	26.8	21.2	31.8	
77	16.1	13.3	19.9	





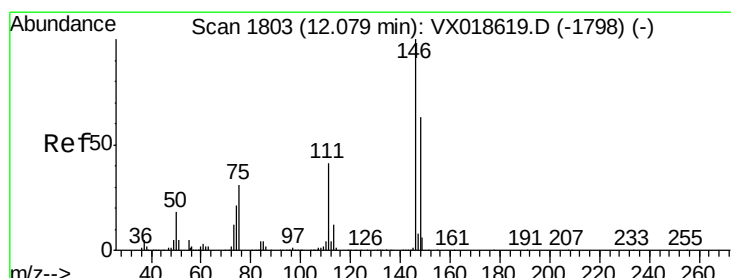
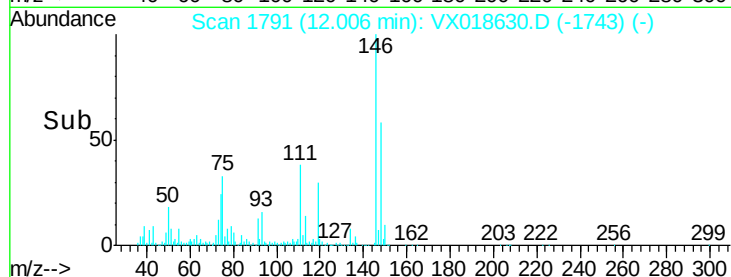
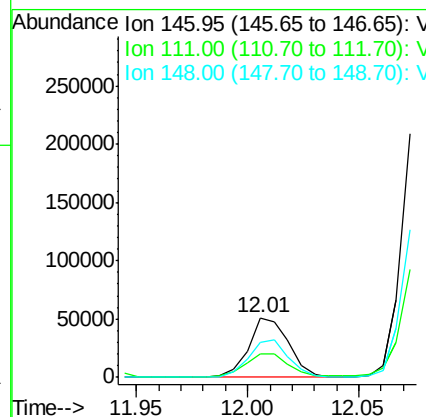
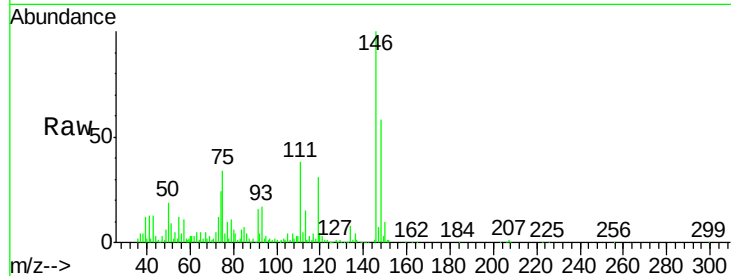
#63
 1,3-Dichlorobenzene
 Concen: 2.049 ug/L
 RT: 12.01 min Scan# 1791
 Delta R.T. -0.01 min
 Lab File: VX018630.D
 Acq: 28 Sep 2020 21:20

Instrument :
 MSVOA_X
 ClientSampled :
 BG483

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	26.7	49.7
148	58.4	44.4	82.5

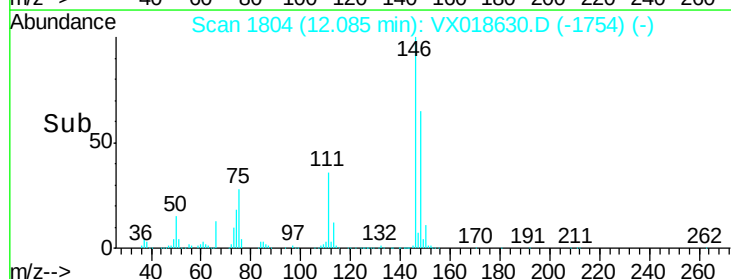
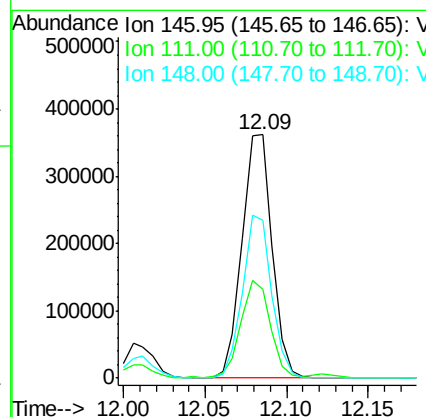
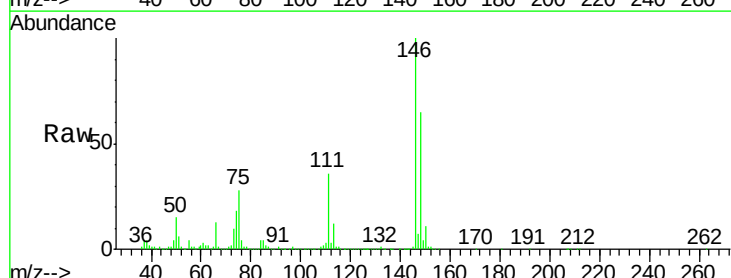
Manual Integrations
 APPROVED

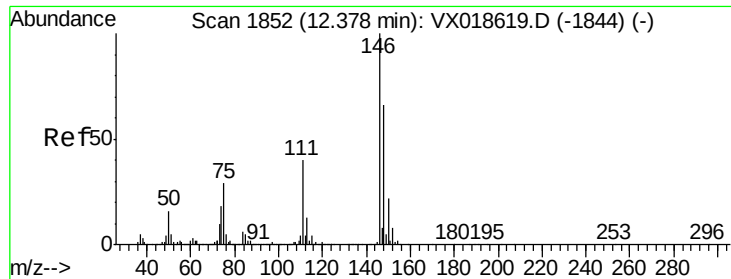
MMDadoda
 9/29/2020 9:43:42 AM



#64
 1,4-Dichlorobenzene
 Concen: 14.805 ug/L
 RT: 12.09 min Scan# 1804
 Delta R.T. 0.01 min
 Lab File: VX018630.D
 Acq: 28 Sep 2020 21:20

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.5	28.8	53.4
148	65.1	44.9	83.3





#66
 1,2-Dichlorobenzene
 Concen: 6.279 ug/L
 RT: 12.38 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: VX018630.D
 Acq: 28 Sep 2020 21:20

Instrument :
 MSVOA_X
 ClientSampleId :
 BG483

Tot Ion:	146	Resp:	182517
Ion Ratio		Lower	Upper
146	100		
111	42.1	33.6	50.4
148	60.7	53.4	80.2

Manual Integrations
 APPROVED

MMDadoda
 9/29/2020 9:43:42 AM

