

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX072120\
 Data File : VX017458.D
 Acq On : 21 Jul 2020 16:46
 Operator : JC/SP
 Sample : MDL04
 Misc : 25.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL04

Manual Integrations
 APPROVED

MMDadoda
 7/22/2020 9:11:08 AM

Quant Time: Jul 22 06:47:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SOMXTR072120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Jul 22 06:14:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.84	114	373550	5.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	353769	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	12.06	152	163073	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	124386	4.28	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	85.60%
7) Chloroethane-d5	1.69	69	89265	4.45	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.00%
11) 1,1-Dichloroethene-d2	2.34	63	185043	3.32	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	66.40%
20) 2-Butanone-d5	4.53	46	260909	48.07	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	96.14%
24) Chloroform-d	5.14	84	228397	4.71	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.20%
26) 1,2-Dichloroethane-d4	6.03	65	124029	4.46	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.20%
32) Benzene-d6	6.05	84	436223	5.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.60%
36) 1,2-Dichloropropane-d6	7.37	67	132633	5.20	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.00%
41) Toluene-d8	8.70	98	395777	4.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.40%
45) trans-1,3-Dichloropropene-	8.99	79	55061	4.91	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	98.20%
48) 2-Hexanone-d5	9.43	63	194909	49.08	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.16%
59) 1,1,2,2-Tetrachloroethane-	11.23	84	89807	4.51	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	90.20%
65) 1,2-Dichlorobenzene-d4	12.36	152	144322	5.23	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.18	85	9258	0.225 ug/L	91
3) Chloromethane	1.31	50	8595	0.225 ug/L	85
5) Vinyl chloride	1.39	62	8465	0.232 ug/L #	64
6) Bromomethane	1.63	94	5617	0.284 ug/L	92
8) Chloroethane	1.72	64	4788m	0.239 ug/L	
9) Trichlorofluoromethane	1.92	101	12056	0.230 ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	2.37	101	7547	0.266 ug/L	95
12) 1,1-Dichloroethene	2.36	96	7957	0.301 ug/L #	1
13) Acetone	2.42	43	11676	2.666 ug/L	94
14) Carbon disulfide	2.55	76	21109	0.235 ug/L #	94
15) Methyl Acetate	2.75	43	3853	0.302 ug/L	96
16) Methylene chloride	2.83	84	14210	0.391 ug/L	94
17) Methyl tert-butyl Ether	3.17	73	15448	0.245 ug/L #	90
18) trans-1,2-Dichloroethene	3.14	96	7509	0.267 ug/L #	67
19) 1,1-Dichloroethane	3.67	63	12609	0.254 ug/L	97
21) 2-Butanone	4.64	43	16527	2.369 ug/L	95
22) cis-1,2-Dichloroethene	4.56	96	7069	0.254 ug/L #	97

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 Quant Title : TRACE VOA SOM01.0
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.00	128	3902	0.291	ug/L	75
25) Chloroform	5.17	83	16858	0.324	ug/L	99
27) 1,2-Dichloroethane	6.16	62	8131	0.243	ug/L	99
29) 1,1,1-Trichloroethane	5.46	97	12054	0.254	ug/L	93
30) Cyclohexane	5.54	56	9913	0.258	ug/L	91
31) Carbon tetrachloride	5.75	117	10156	0.237	ug/L	93
33) Benzene	6.11	78	26094	0.250	ug/L	100
34) Trichloroethene	7.18	95	7935	0.282	ug/L	89
35) Methylcyclohexane	7.43	83	9462	0.249	ug/L	97
37) 1,2-Dichloropropane	7.50	63	7139	0.273	ug/L	98
38) Bromodichloromethane	7.87	83	8888	0.253	ug/L	98
39) cis-1,3-Dichloropropene	8.42	75	8295	0.219	ug/L	99
40) 4-Methyl-2-pentanone	8.62	43	32528	2.124	ug/L #	93
42) Toluene	8.77	91	24857	0.238	ug/L	96
43) 1,3,5-Trimethylbenzene	11.49	105	18112	0.186	ug/L	98
44) 1,2,4-Trimethylbenzene	11.79	105	16348	0.170	ug/L	94
46) trans-1,3-Dichloropropene	9.02	75	7571m	0.232	ug/L	
47) 1,1,2-Trichloroethane	9.20	97	4916	0.274	ug/L	88
49) Tetrachloroethene	9.31	164	5807	0.254	ug/L	86
50) 2-Hexanone	9.48	43	25761	2.304	ug/L #	89
51) Dibromochloromethane	9.57	129	6297	0.256	ug/L	83
52) 1,2-Dibromoethane	9.65	107	4996	0.281	ug/L #	85
53) Chlorobenzene	10.12	112	18372	0.258	ug/L	96
54) Ethylbenzene	10.24	91	26750	0.236	ug/L	91
55) m,p-xylene	10.35	106	9375	0.207	ug/L	75
56) o-xylene	10.68	106	10372	0.236	ug/L	89
57) Styrene	10.70	104	14447	0.198	ug/L	96
58) Isopropylbenzene	11.00	105	23893	0.211	ug/L	98
60) 1,1,2,2-Tetrachloroethane	11.26	83	5172	0.243	ug/L #	85
62) Bromoform	10.84	173	3689	0.282	ug/L #	88
63) 1,3-Dichlorobenzene	12.01	146	13507	0.257	ug/L	92
64) 1,4-Dichlorobenzene	12.09	146	13287	0.257	ug/L	92
66) 1,2-Dichlorobenzene	12.38	146	12862	0.265	ug/L	96
67) 1,2-Dibromo-3-chloropropan	12.99	75	1581	0.369	ug/L #	74
68) 1,3,5-Trichlorobenzene	13.15	180	9952	0.225	ug/L	86
69) 1,2,4-trichlorobenzene	13.63	180	7598	0.235	ug/L #	93
70) Naphthalene	13.82	128	12108	0.214	ug/L #	89
71) 1,2,3-Trichlorobenzene	14.00	180	6653	0.223	ug/L #	89

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

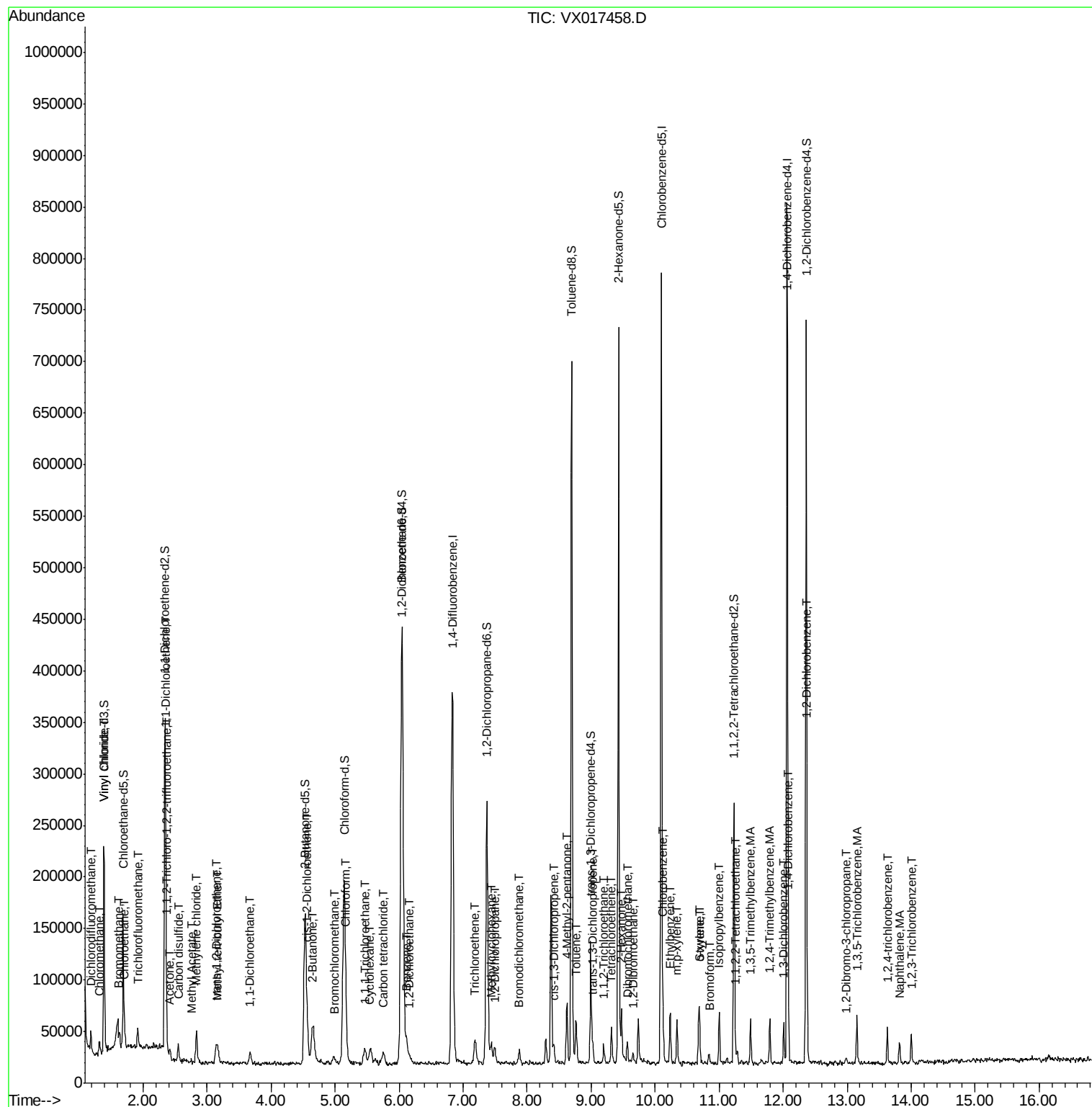
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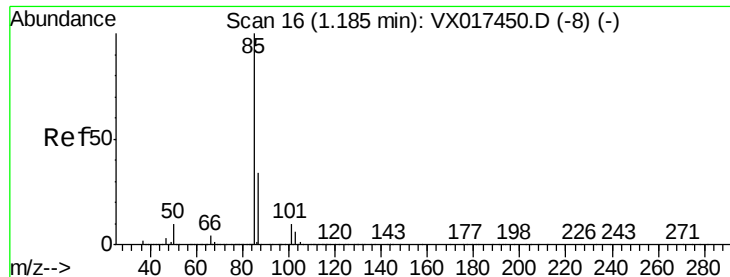
Instrument :
MSVOA_X
ClientSampleId :
MDL04

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Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 0.225 ug/L

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX017458.D

Acq: 21 Jul 2020 16:46

Instrument :

MSVOA_X

ClientSampled :

MDL04

Tot Ion: 85 Resp: 9258

Ion Ratio Lower Upper

85 100

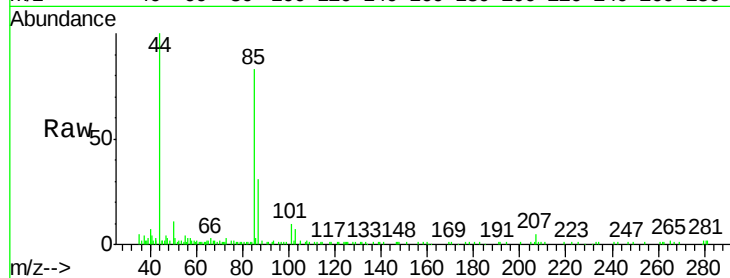
87 37.6 26.1 39.1

Manual Integrations

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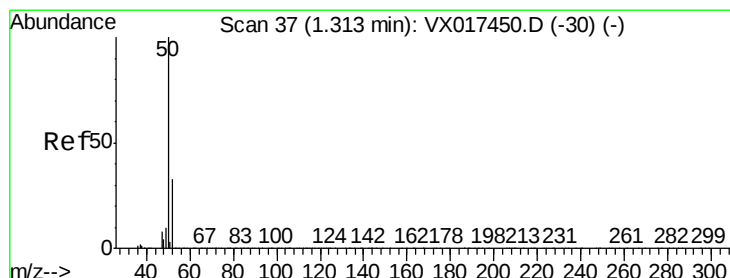
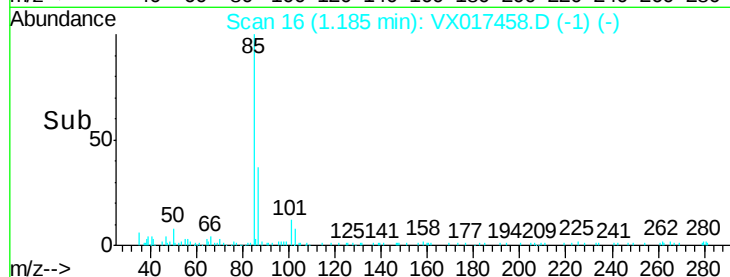
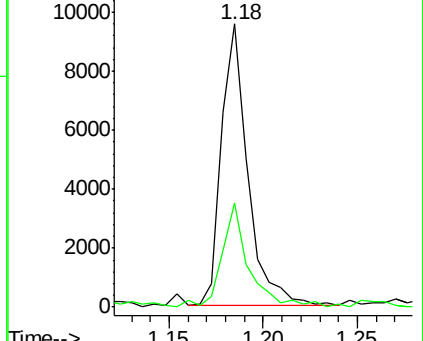
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Abundance Ion 85.00 (84.70 to 85.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#3

Chloromethane

Concen: 0.225 ug/L

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX017458.D

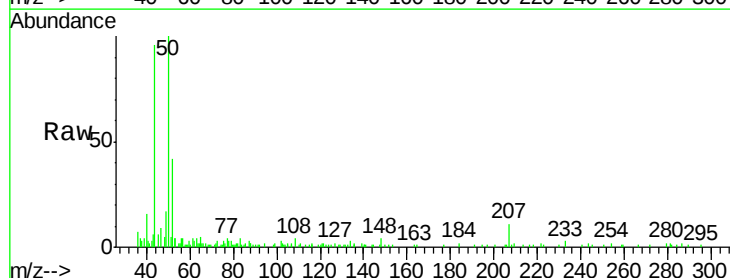
Acq: 21 Jul 2020 16:46

Tgt Ion: 50 Resp: 8595

Ion Ratio Lower Upper

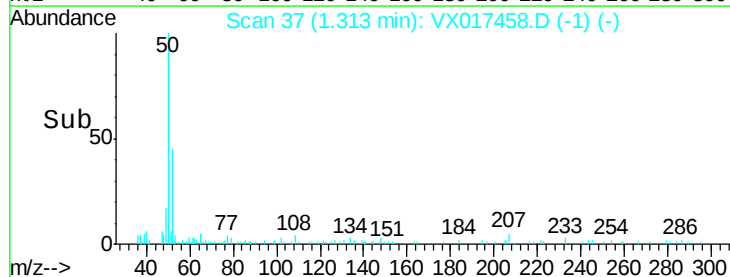
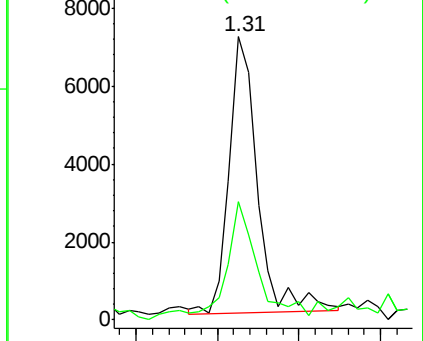
50 100

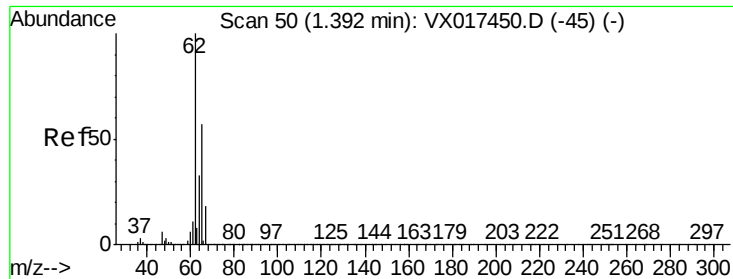
52 41.9 23.2 43.2



Abundance Ion 50.05 (49.75 to 50.75): VX0

Ion 52.05 (51.75 to 52.75): VX0





#5

Vinyl chloride

Concen: 0.232 ug/L

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX017458.D

Acq: 21 Jul 2020 16:46

Instrument :

MSVOA_X

ClientSampleId :

MDL04

Tot Ion: 62 Resp: 8465

Ion Ratio Lower Upper

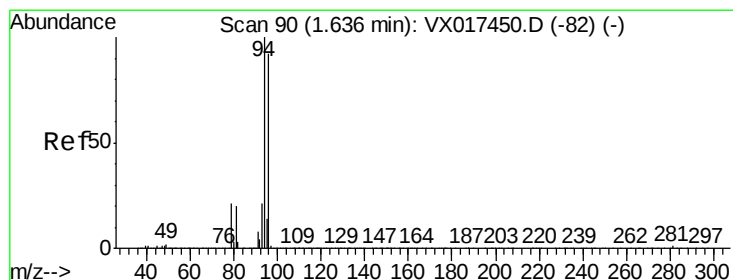
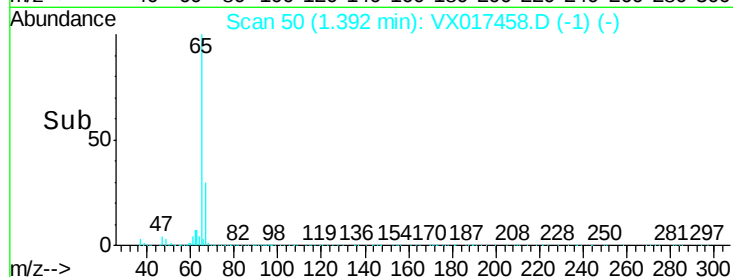
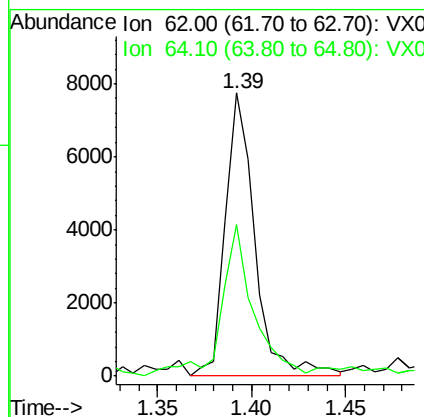
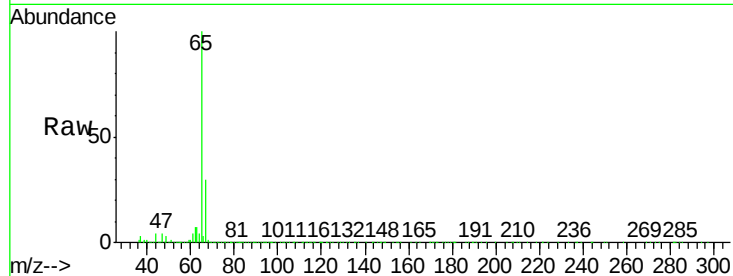
62 100

64 53.7 23.2 43.2#

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#6

Bromomethane

Concen: 0.284 ug/L

RT: 1.63 min Scan# 89

Delta R.T. -0.01 min

Lab File: VX017458.D

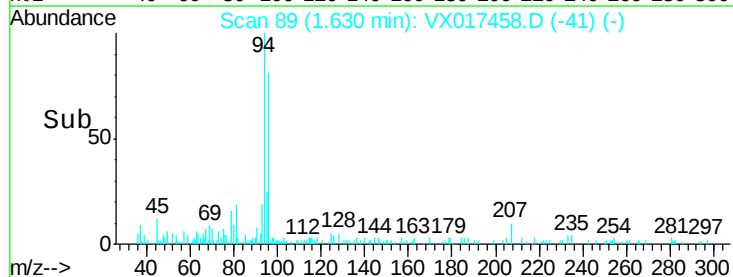
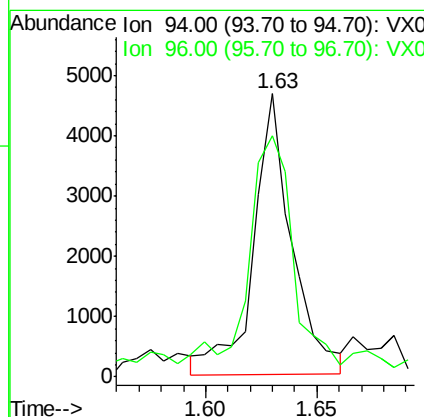
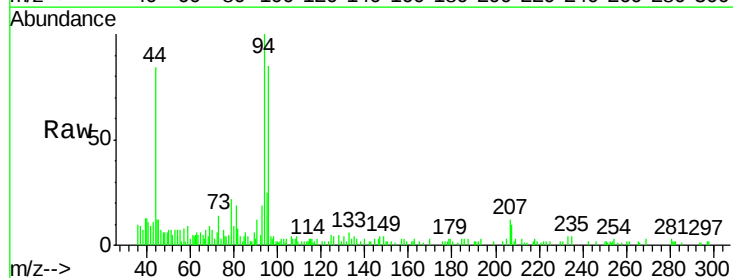
Acq: 21 Jul 2020 16:46

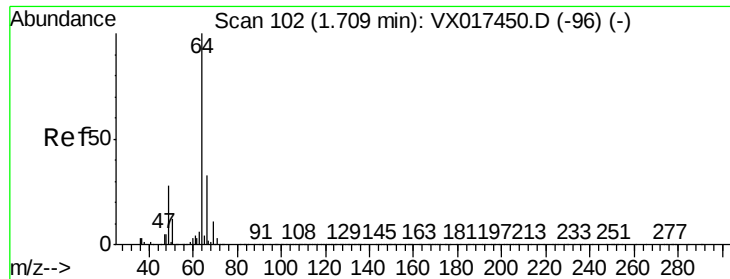
Tgt Ion: 94 Resp: 5617

Ion Ratio Lower Upper

94 100

96 85.0 64.8 120.4





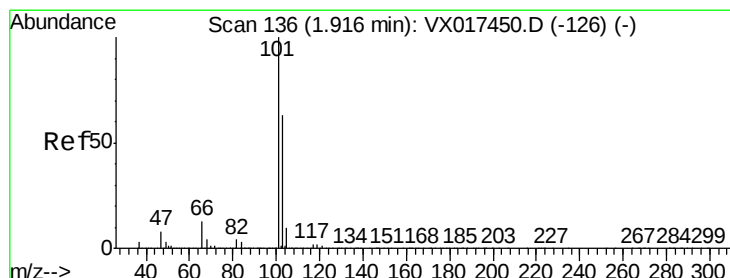
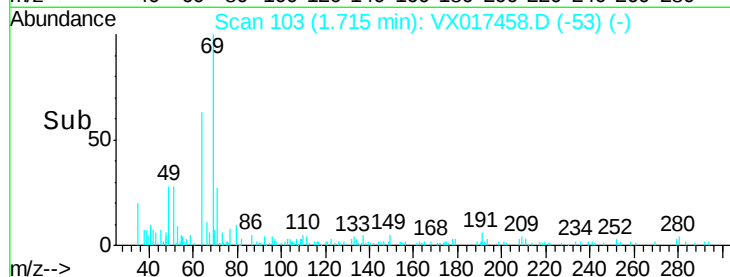
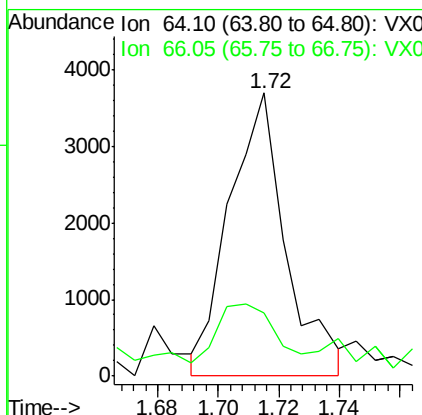
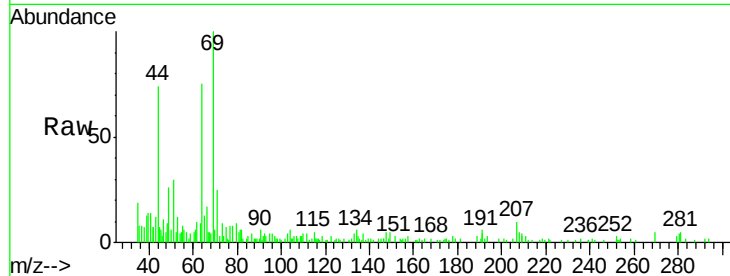
#8
Chloroethane
Concen: 0.239 ug/L m
RT: 1.72 min Scan# 103
Delta R.T. 0.01 min
Lab File: VX017458.D
Acq: 21 Jul 2020 16:46

Instrument :
MSVOA_X
ClientSampleId :
MDL04

Tot Ion	Ratio	Lower	Upper
64	100		
66	22.3	23.1	42.9#

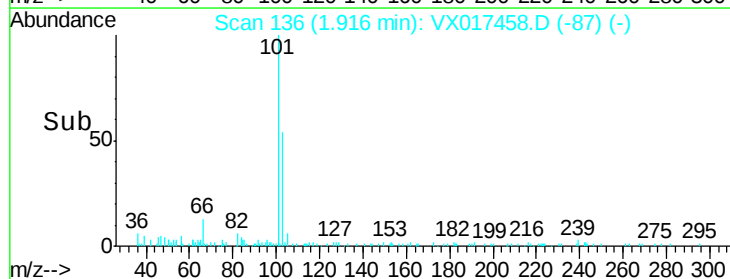
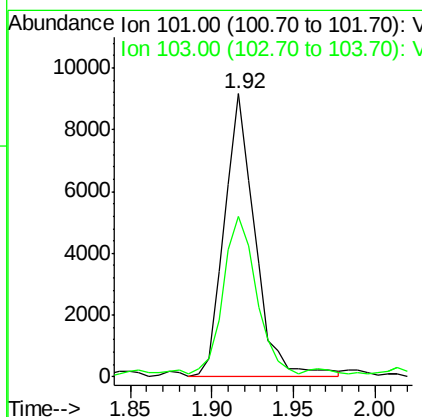
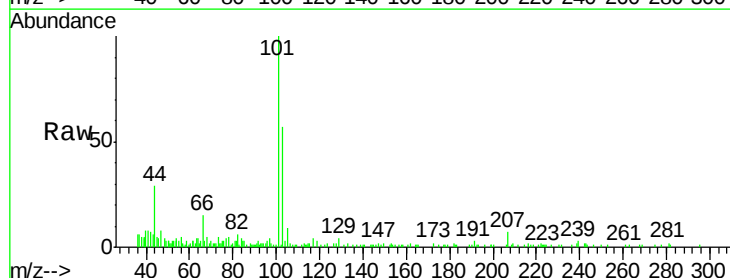
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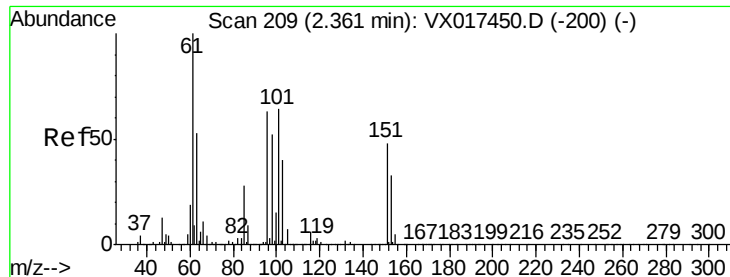
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#9
Trichlorofluoromethane
Concen: 0.230 ug/L
RT: 1.92 min Scan# 136
Delta R.T. 0.00 min
Lab File: VX017458.D
Acq: 21 Jul 2020 16:46

Tgt Ion	Ratio	Lower	Upper
101	100		
103	60.9	51.4	77.2





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.266 ug/L

RT: 2.37 min Scan# 210

Delta R.T. 0.01 min

Lab File: VX017458.D

Acq: 21 Jul 2020 16:46

Instrument :

MSVOA_X

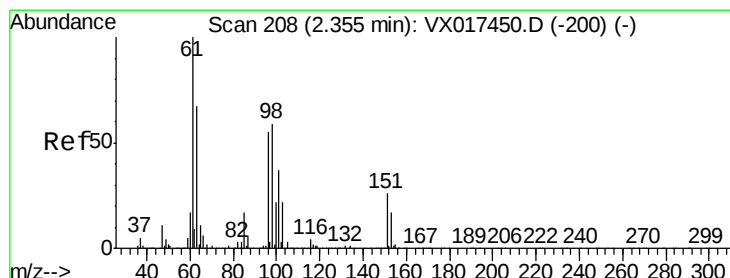
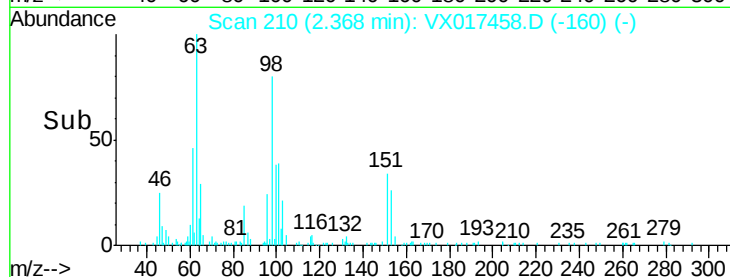
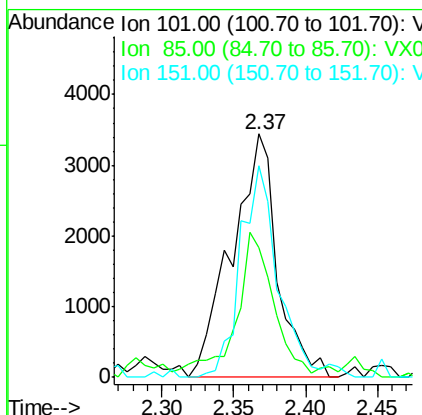
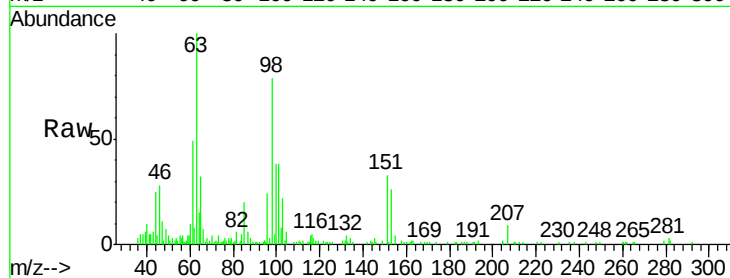
ClientSampleId :

MDL04

Tot Ion:	101	Resp:	7547
Ion Ratio	Lower	Upper	
101	100		
85	44.8	35.3	52.9
151	71.2	62.3	93.5

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#12

1,1-Dichloroethene

Concen: 0.301 ug/L

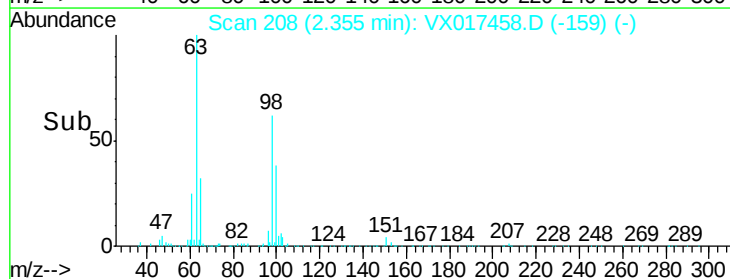
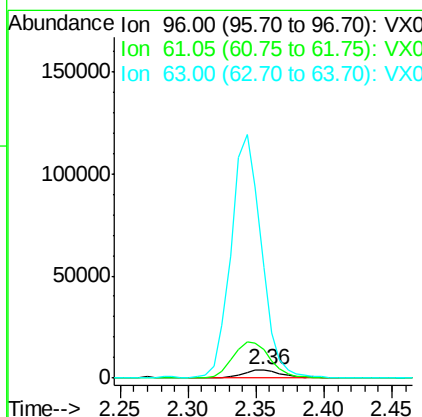
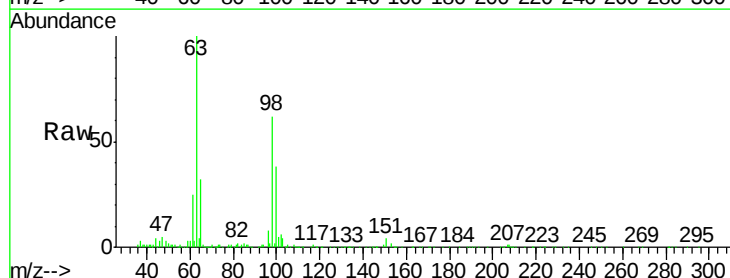
RT: 2.36 min Scan# 208

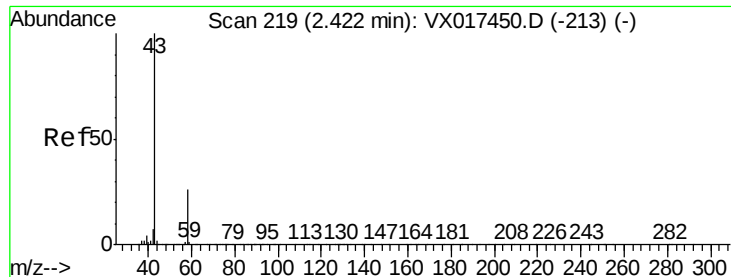
Delta R.T. 0.00 min

Lab File: VX017458.D

Acq: 21 Jul 2020 16:46

Tgt Ion:	96	Resp:	7957
Ion Ratio	Lower	Upper	
96	100		
61	337.4	126.5	234.9#
63	1329.7	85.6	159.0#





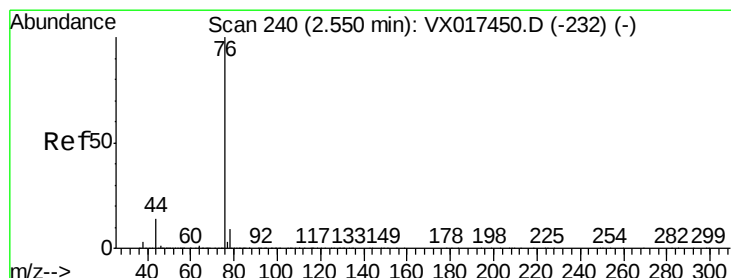
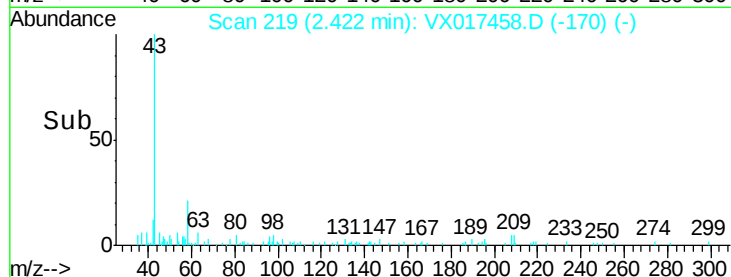
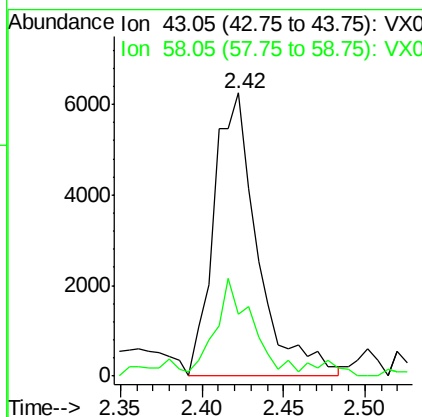
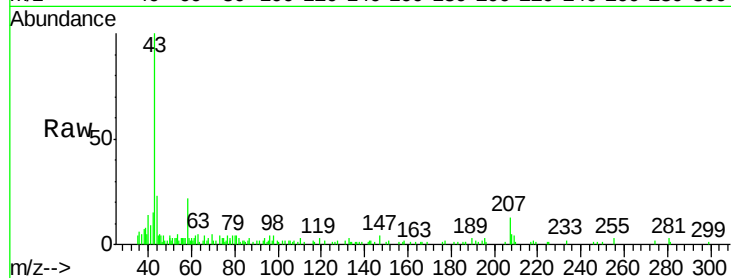
#13
Acetone
Concen: 2.666 ug/L
RT: 2.42 min Scan# 219
Delta R.T. 0.00 min
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Tot Ion	43	Resp	11676
Ion Ratio	100	Lower	Upper
43	100		
58	26.2	0.0	58.6

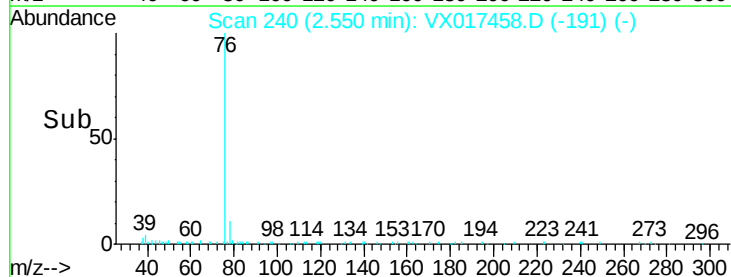
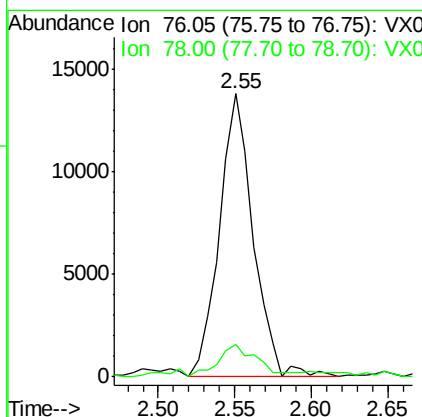
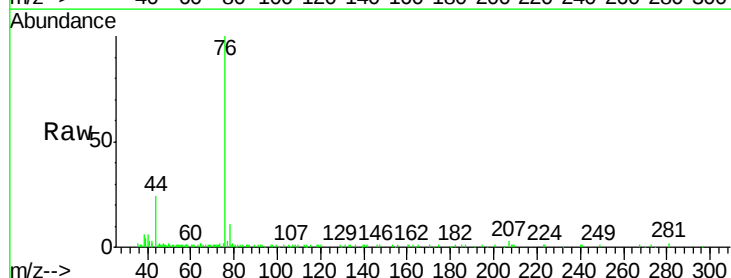
Manual Integrations
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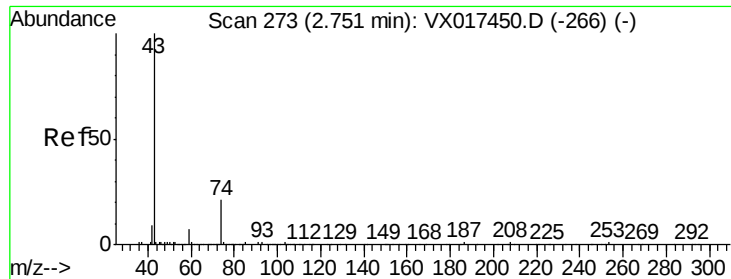
MMDadoda
7/22/2020 9:11:08 AM



#14
Carbon disulfide
Concen: 0.235 ug/L
RT: 2.55 min Scan# 240
Delta R.T. 0.00 min
Lab File: VX017458.D
Acq: 21 Jul 2020 16:46

Tgt Ion	76	Resp	21109
Ion Ratio	100	Lower	Upper
76	100		
78	11.4	7.3	10.9#





#15

Methyl Acetate

Concen: 0.302 ug/L

RT: 2.75 min Scan# 273

Delta R.T. 0.00 min

Lab File: VX017458.D

Acq: 21 Jul 2020 16:46

Tot Ion: 43 Resp: 3853

Ion Ratio Lower Upper

43 100

74 23.9 17.6 26.4

Instrument :

MSVOA_X

ClientSampleId :

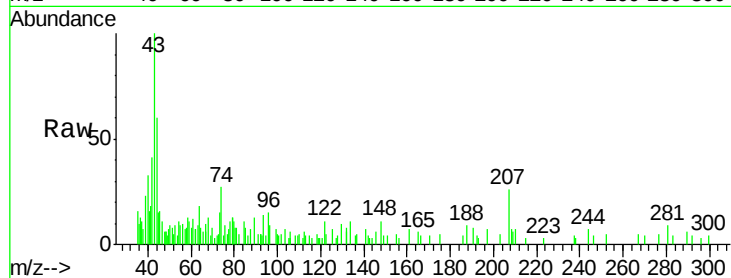
MDL04

Manual Integrations

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Abundance Ion 43.05 (42.75 to 43.75): VX0

Ion 74.05 (73.75 to 74.75): VX0

2000

1500

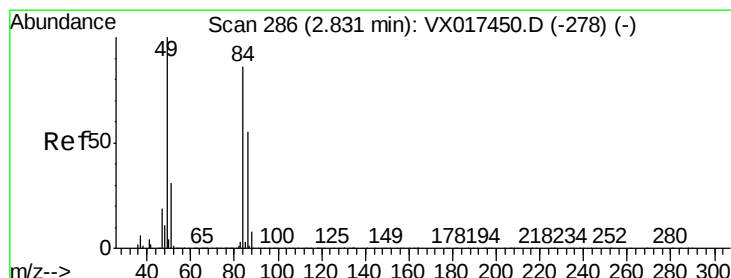
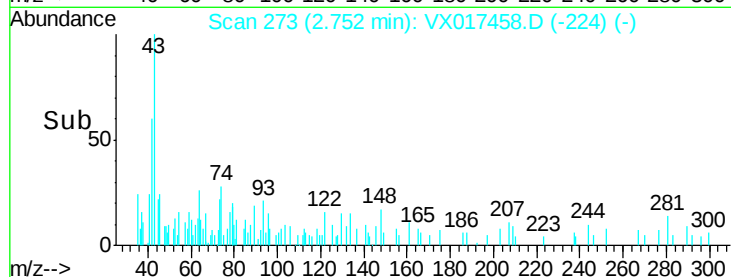
1000

500

0

Time-->

2.70 2.75 2.80



#16

Methylene chloride

Concen: 0.391 ug/L

RT: 2.83 min Scan# 286

Delta R.T. 0.00 min

Lab File: VX017458.D

Acq: 21 Jul 2020 16:46

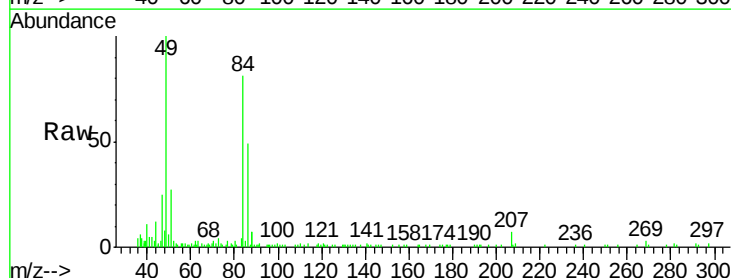
Tgt Ion: 84 Resp: 14210

Ion Ratio Lower Upper

84 100

86 60.6 44.8 83.2

49 123.7 81.0 150.4



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

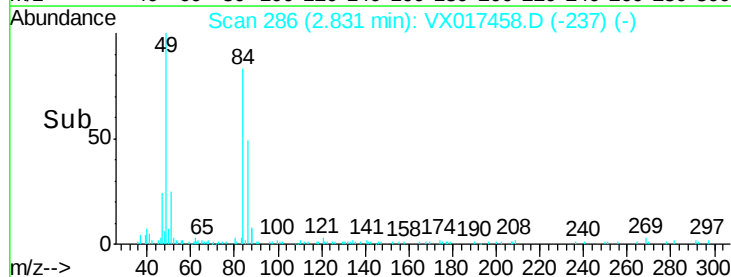
10000

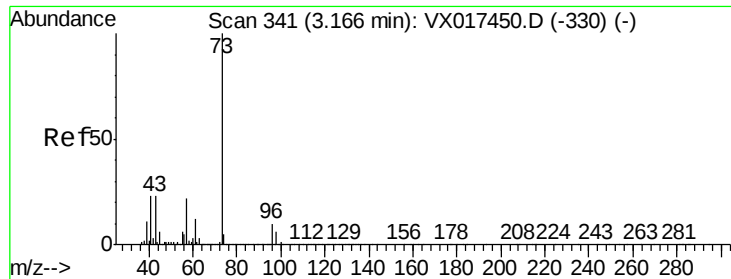
5000

0

Time-->

2.75 2.80 2.85 2.90





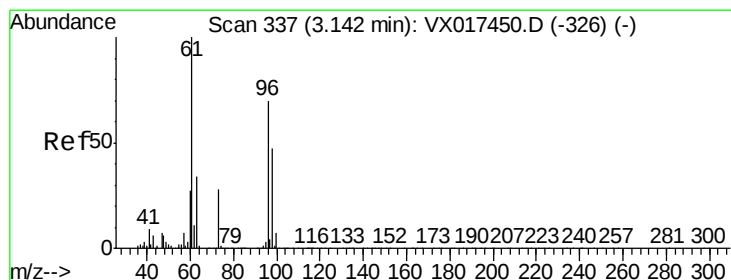
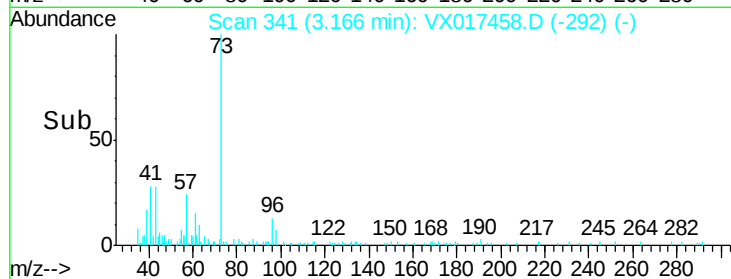
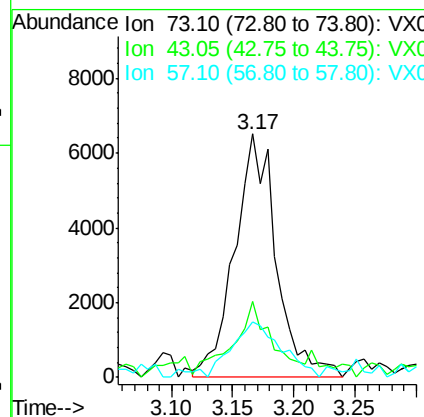
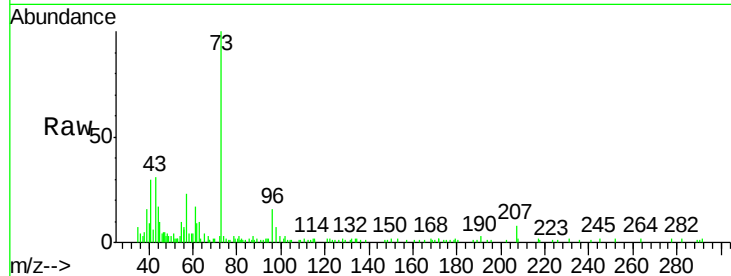
#17
Methvl tert-butvl Ether
Concen: 0.245 ug/L
RT: 3.17 min Scan# 341
Delta R.T. 0.00 min
Lab File: VX017458.D
Acq: 21 Jul 2020 16:46

Instrument :
MSVOA_X
ClientSampleId :
MDL04

Tot Ion	Ratio	Lower	Upper
73	100		
43	27.1	17.8	26.6#
57	27.0	17.8	26.8#

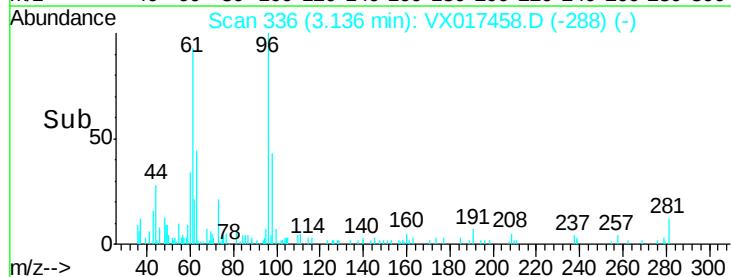
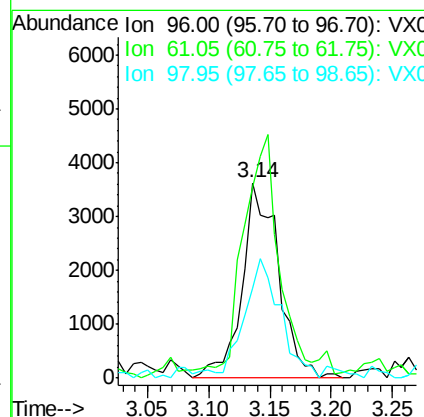
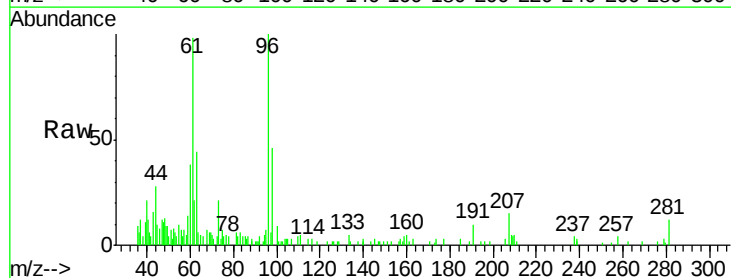
Manual Integrations
APPROVED

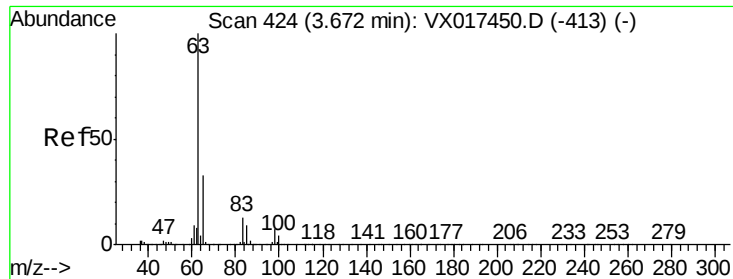
MMDadoda
7/22/2020 9:11:08 AM



#18
trans-1,2-Dichloroethene
Concen: 0.267 ug/L
RT: 3.14 min Scan# 336
Delta R.T. -0.01 min
Lab File: VX017458.D
Acq: 21 Jul 2020 16:46

Tgt Ion	Ratio	Lower	Upper
96	100		
61	98.0	99.8	185.4#
98	46.1	46.4	86.2#





#19

1,1-Dichloroethane

Concen: 0.254 ug/L

RT: 3.67 min Scan# 424

Delta R.T. 0.00 min

Lab File: VX017458.D

Acq: 21 Jul 2020 16:46

Instrument :

MSVOA_X

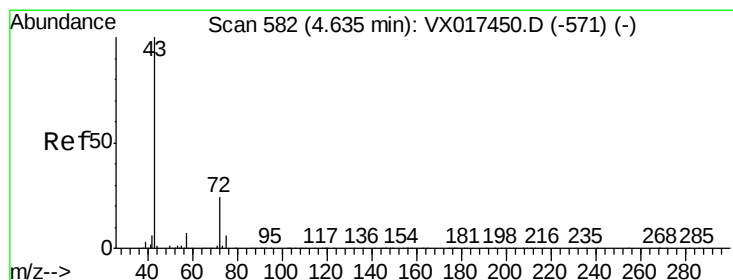
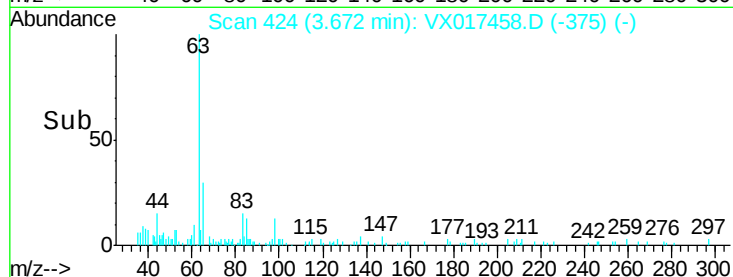
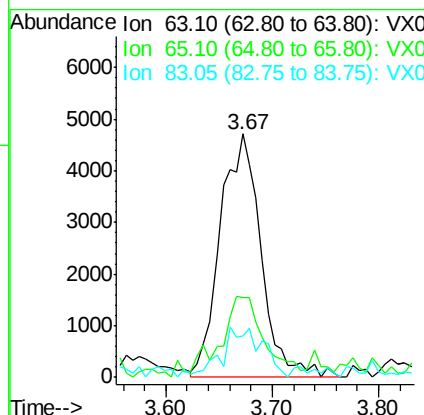
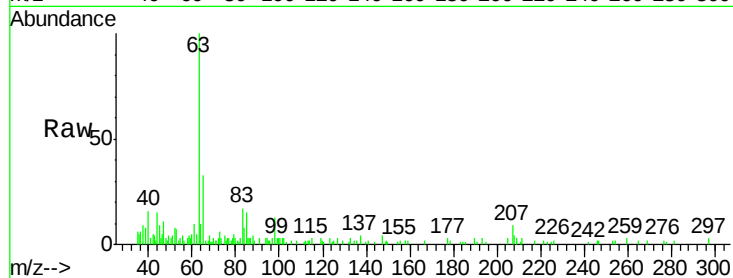
ClientSampled :

MDL04

Tot Ion:	63	Resp:	12609
Ion Ratio	Lower	Upper	
63	100		
65	32.6	23.2	43.2
83	16.9	9.4	17.4

Manual Integrations
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MMDadoda
7/22/2020 9:11:08 AM



#21

2-Butanone

Concen: 2.369 ug/L

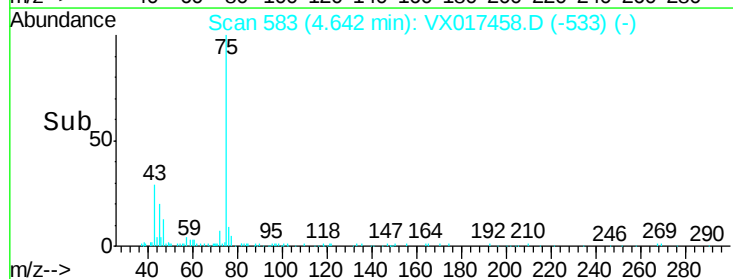
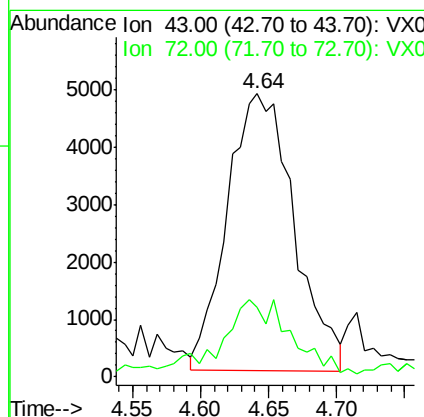
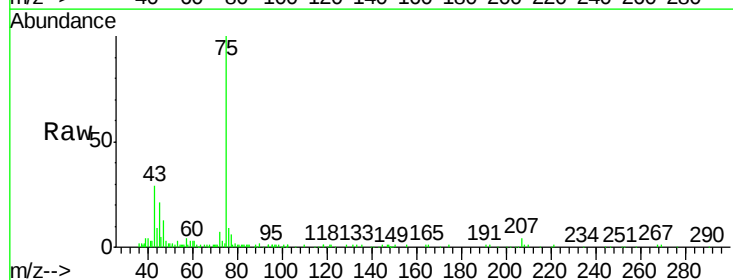
RT: 4.64 min Scan# 583

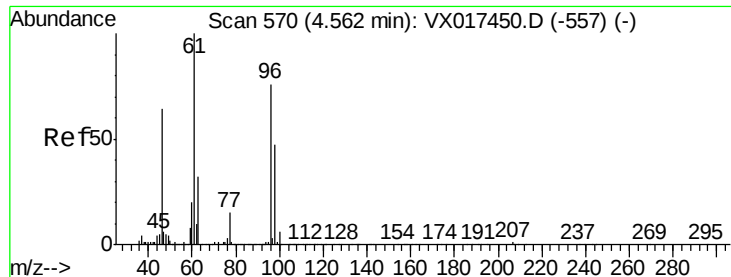
Delta R.T. 0.01 min

Lab File: VX017458.D

Acq: 21 Jul 2020 16:46

Tgt Ion:	43	Resp:	16527
Ion Ratio	Lower	Upper	
43	100		
72	26.9	12.1	36.3





#22

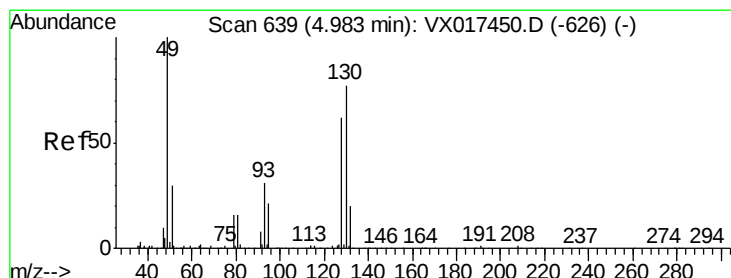
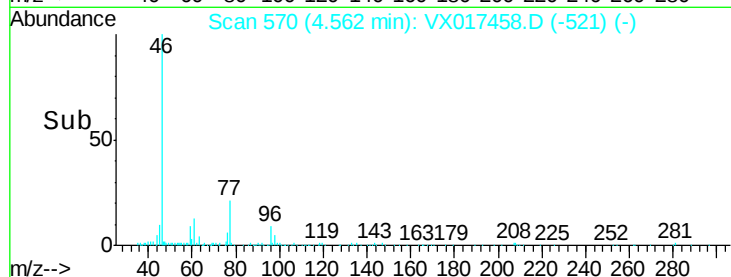
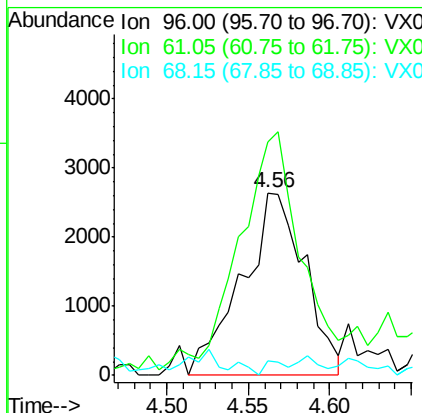
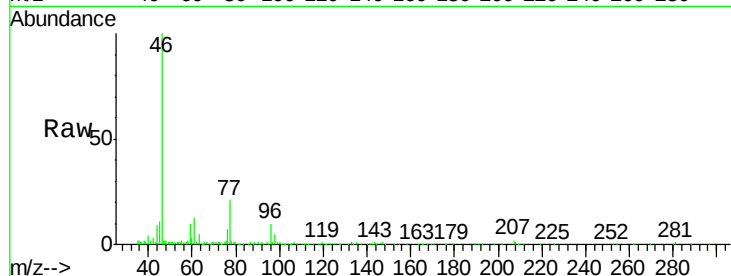
cis-1,2-Dichloroethene
Concen: 0.254 ug/L
RT: 4.56 min Scan# 570
Delta R.T. 0.00 min
Lab File: VX017458.D
Acq: 21 Jul 2020 16:46

Instrument :
MSVOA_X
ClientSampled :
MDL04

Tot Ion	Ratio	Lower	Upper
96	100		
61	128.0	91.6	170.2
68	8.1	0.0	0.0#

Manual Integrations
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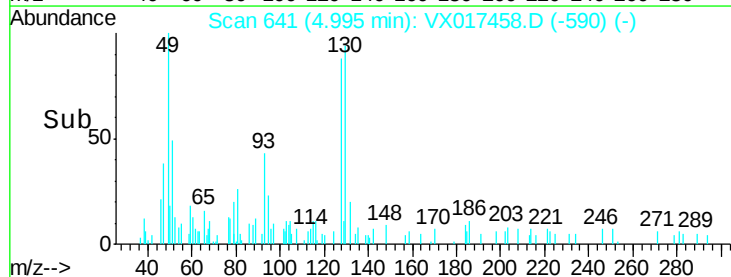
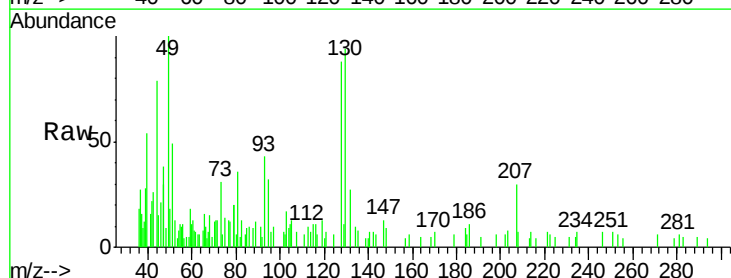
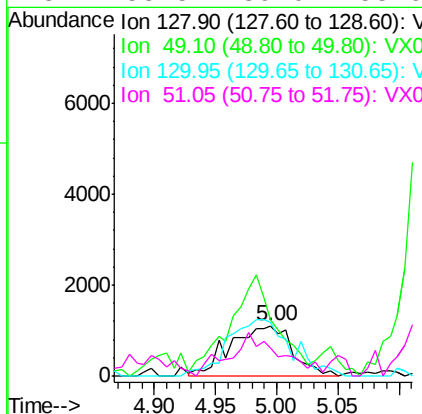
MMDadoda
7/22/2020 9:11:08 AM

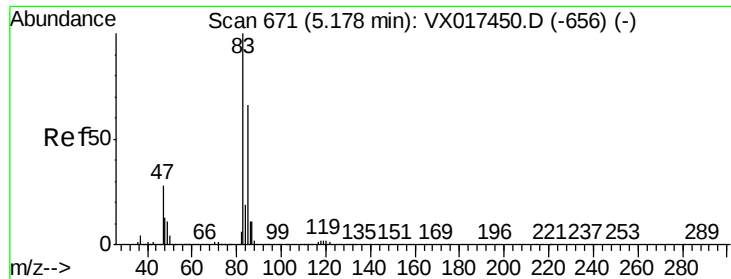


#23

Bromochloromethane
Concen: 0.291 ug/L
RT: 5.00 min Scan# 641
Delta R.T. 0.01 min
Lab File: VX017458.D
Acq: 21 Jul 2020 16:46

Tgt Ion	Ratio	Lower	Upper
128	100		
49	113.5	113.3	210.3
130	106.7	87.3	162.1
51	55.5	39.0	58.6





#25

Chloroform

Concen: 0.324 ug/L

RT: 5.17 min Scan# 670

Delta R.T. -0.01 min

Lab File: VX017458.D

Acq: 21 Jul 2020 16:46

Instrument :

MSVOA_X

ClientSampled :

MDL04

Tot Ion: 83 Resp: 16858

Ion Ratio Lower Upper

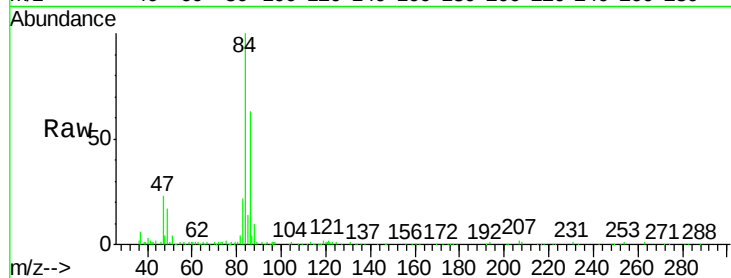
83 100

85 66.9 46.2 85.8

Manual Integrations
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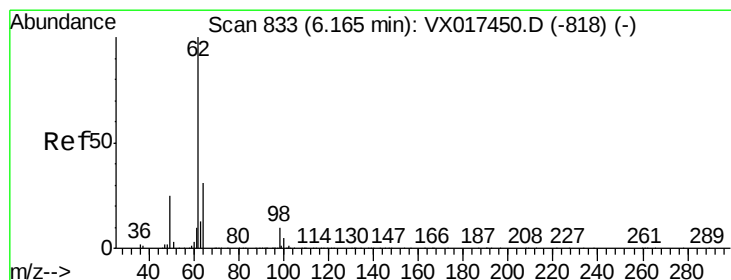
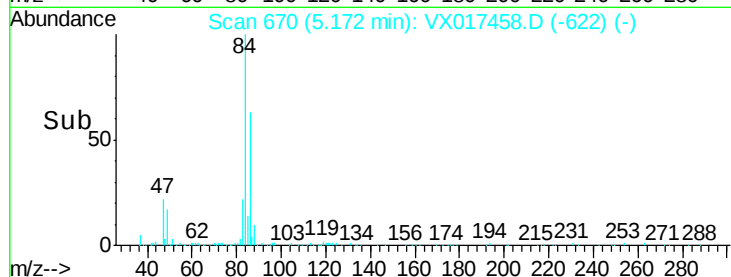
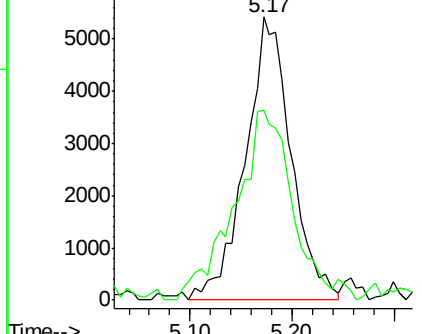
MMDadoda

7/22/2020 9:11:08 AM



Abundance Ion 83.05 (82.75 to 83.75): VX0

Ion 85.00 (84.70 to 85.70): VX0



#27

1,2-Dichloroethane

Concen: 0.243 ug/L

RT: 6.16 min Scan# 832

Delta R.T. -0.01 min

Lab File: VX017458.D

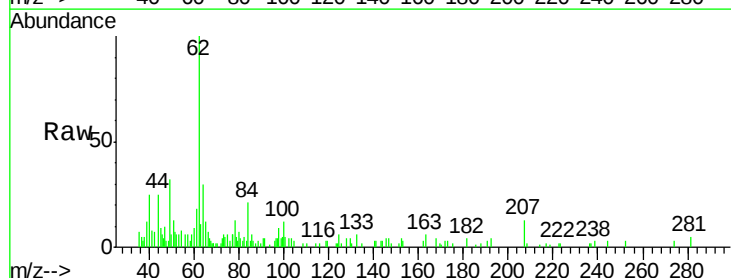
Acq: 21 Jul 2020 16:46

Tgt Ion: 62 Resp: 8131

Ion Ratio Lower Upper

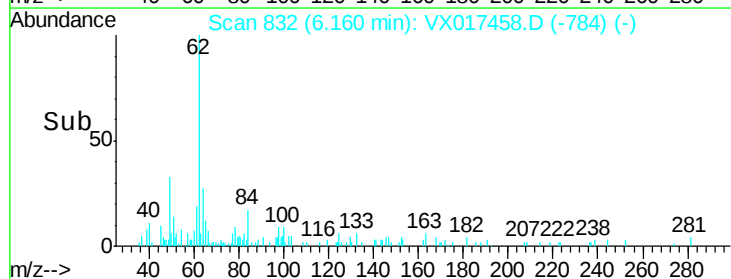
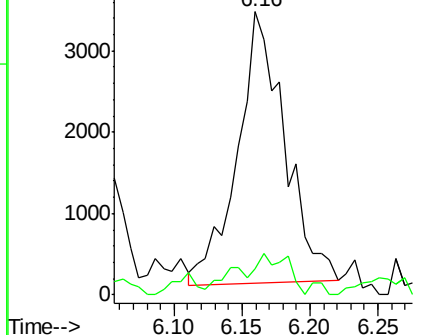
62 100

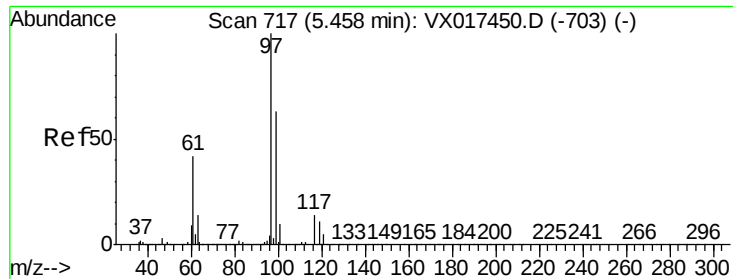
98 9.1 7.7 11.5



Abundance Ion 62.00 (61.70 to 62.70): VX0

Ion 98.05 (97.75 to 98.75): VX0





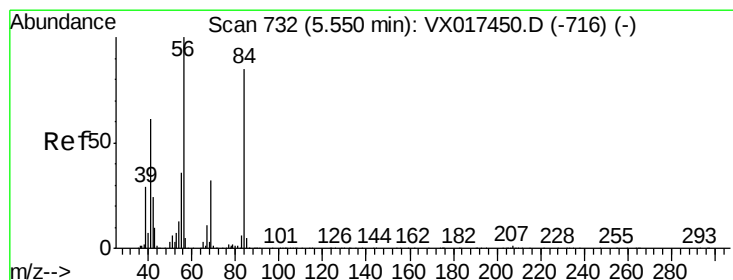
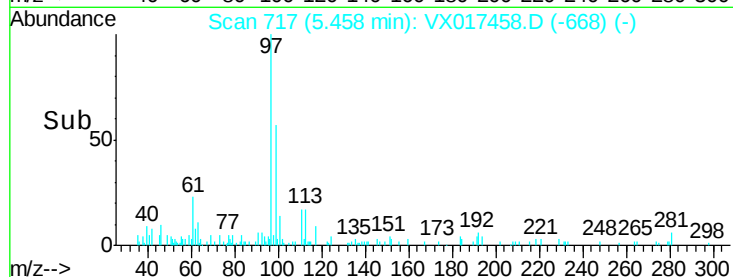
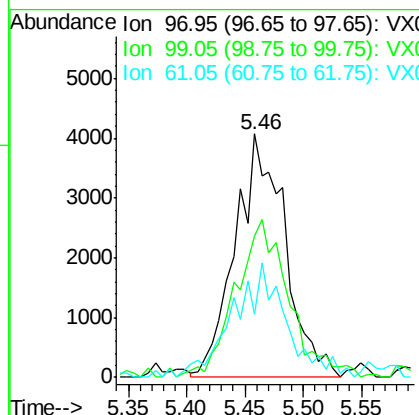
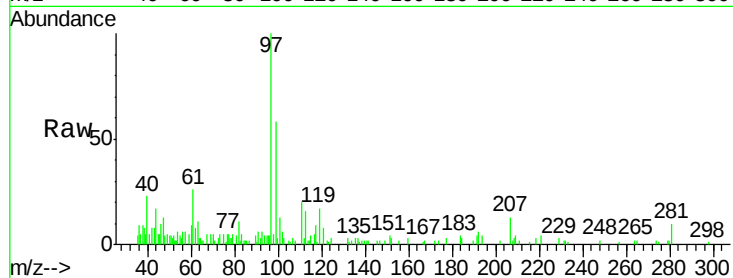
#29
1,1,1-Trichloroethane
Concen: 0.254 ug/L
RT: 5.46 min Scan# 717
Delta R.T. 0.00 min
Lab File: VX017458.D
Acq: 21 Jul 2020 16:46

Instrument :
MSVOA_X
ClientSampled :
MDL04

Tot Ion:	97	Resp:	12054
Ion	Ratio	Lower	Upper
97	100		
99	70.0	53.0	79.4
61	50.3	35.2	52.8

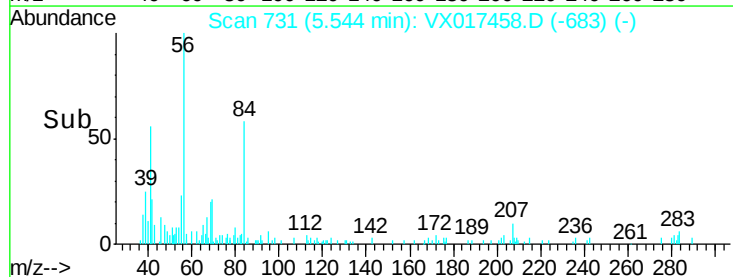
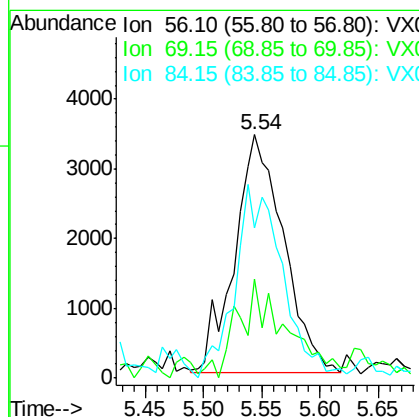
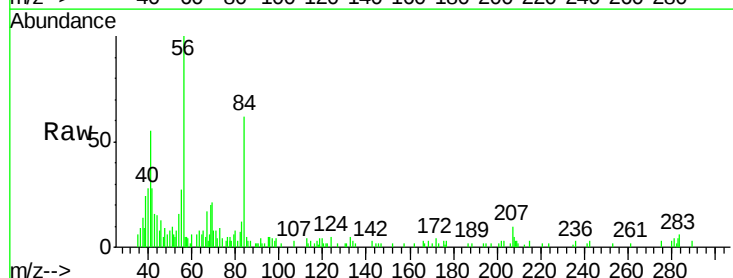
Manual Integrations
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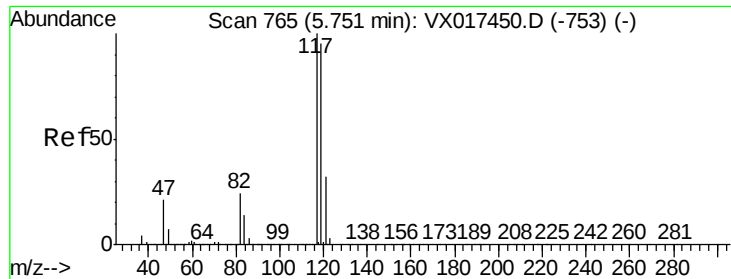
MMDadoda
7/22/2020 9:11:08 AM



#30
Cyclohexane
Concen: 0.258 ug/L
RT: 5.54 min Scan# 731
Delta R.T. -0.01 min
Lab File: VX017458.D
Acq: 21 Jul 2020 16:46

Tgt Ion:	56	Resp:	9913
Ion	Ratio	Lower	Upper
56	100		
69	38.0	25.4	38.2
84	79.3	69.3	103.9





#31

Carbon tetrachloride

Concen: 0.237 ug/L

RT: 5.75 min Scan# 765

Delta R.T. 0.00 min

Lab File: VX017458.D

Acq: 21 Jul 2020 16:46

Instrument :

MSVOA_X

ClientSampleId :

MDL04

Tot Ion:117 Resp: 10156

Ion Ratio Lower Upper

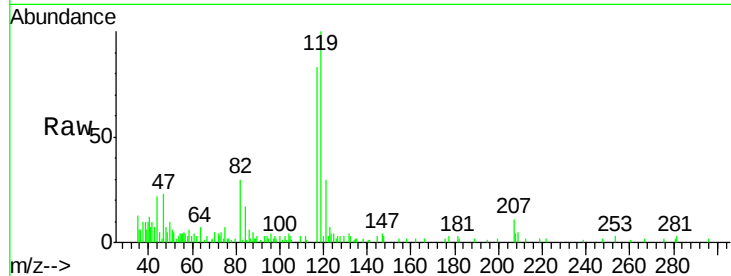
117 100

119 105.2 78.5 117.7

Manual Integrations
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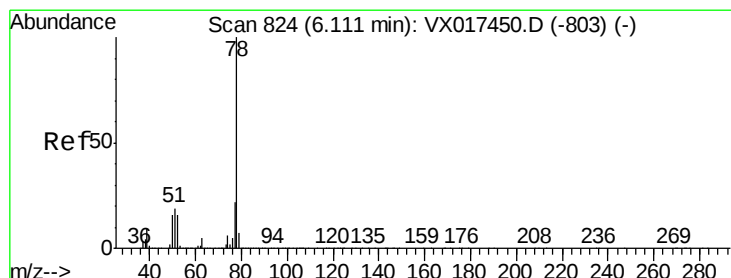
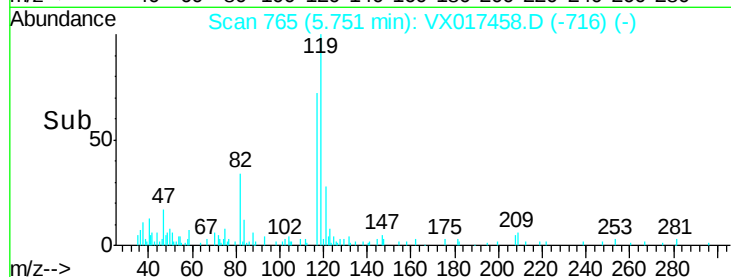
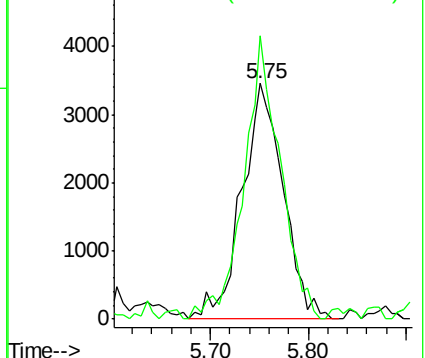
MMDadoda

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Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 0.250 ug/L

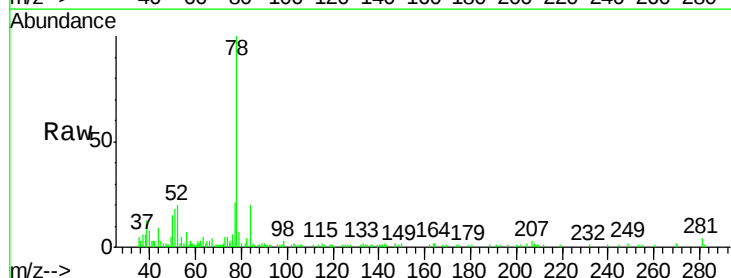
RT: 6.11 min Scan# 824

Delta R.T. 0.00 min

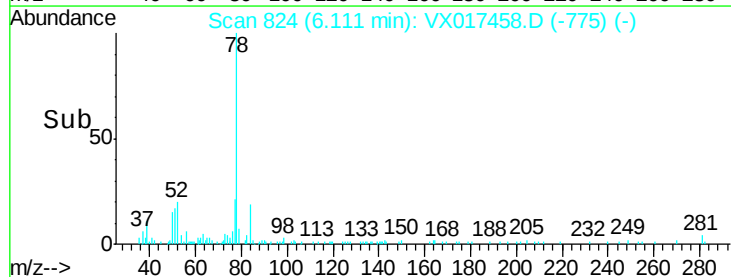
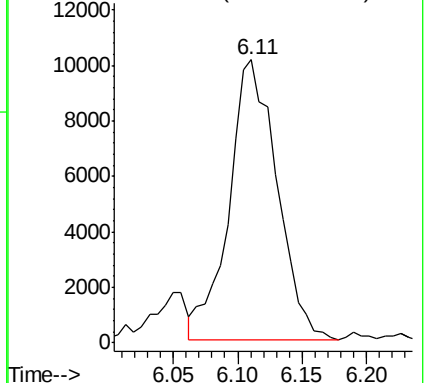
Lab File: VX017458.D

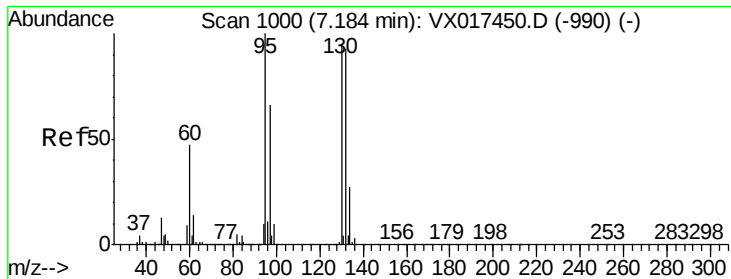
Acq: 21 Jul 2020 16:46

Tgt Ion: 78 Resp: 26094



Abundance Ion 78.10 (77.80 to 78.80): VX0





#34

Trichloroethene

Concen: 0.282 ug/L

RT: 7.18 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VX017458.D

Acq: 21 Jul 2020 16:46

Instrument :

MSVOA_X

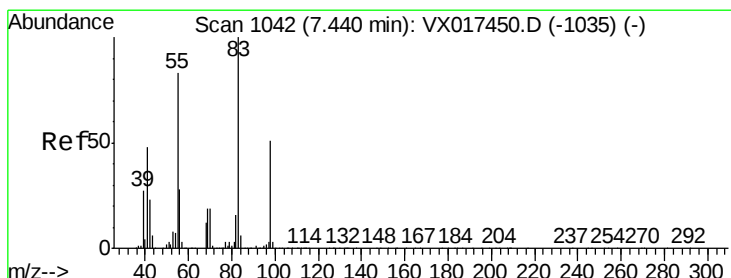
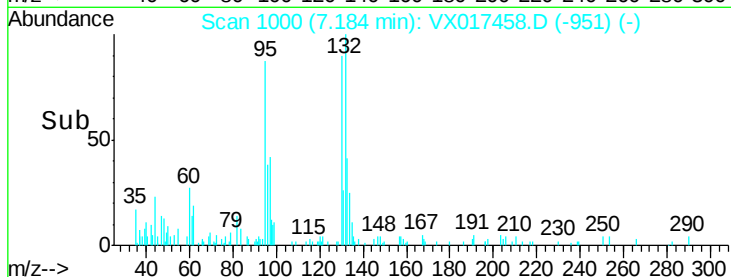
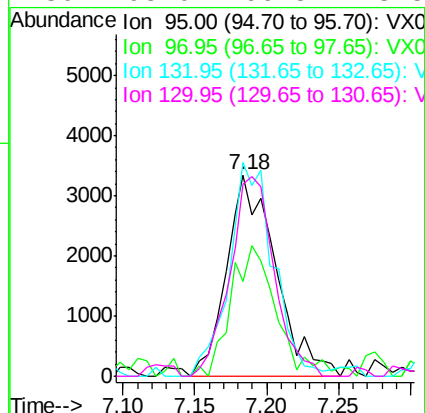
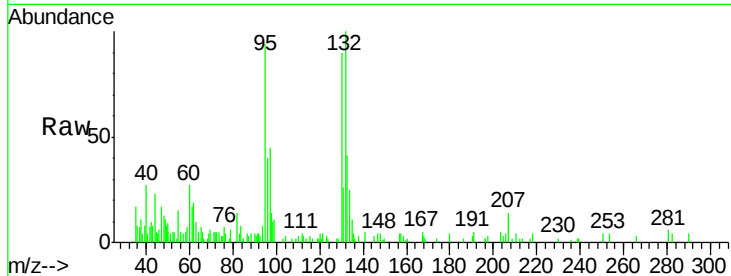
ClientSampled :

MDL04

Tot Ion	95	Resp:	7935
Ion	Ratio	Lower	Upper
95	100		
97	47.3	45.9	85.3
132	106.0	65.5	121.7
130	95.0	66.5	123.5

Manual Integrations
APPROVED

MMDadoda
7/22/2020 9:11:08 AM



#35

Methylcyclohexane

Concen: 0.249 ug/L

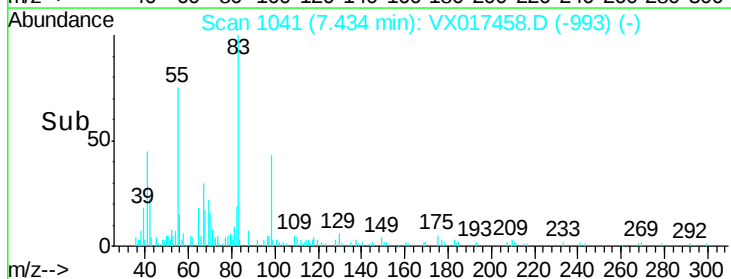
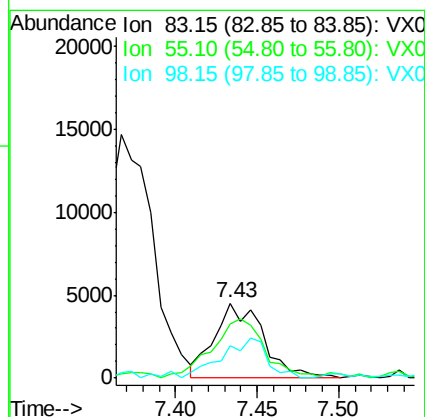
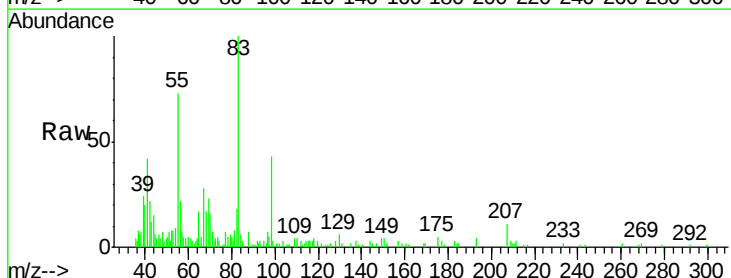
RT: 7.43 min Scan# 1041

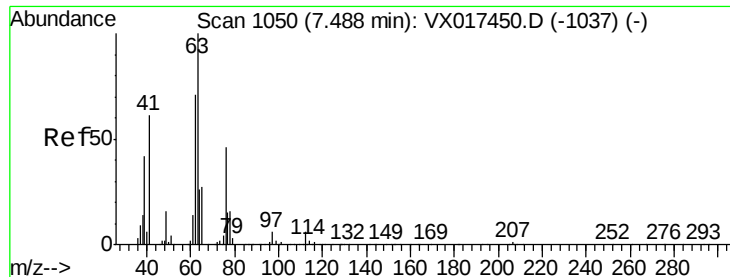
Delta R.T. -0.01 min

Lab File: VX017458.D

Acq: 21 Jul 2020 16:46

Tgt Ion	83	Resp:	9462
Ion	Ratio	Lower	Upper
83	100		
55	84.6	65.4	98.2
98	52.1	39.8	59.8





#37

1,2-Dichloropropane

Concen: 0.273 ug/L

RT: 7.50 min Scan# 1052

Delta R.T. 0.01 min

Lab File: VX017458.D

Acq: 21 Jul 2020 16:46

Instrument :

MSVOA_X

ClientSampleId :

MDL04

Tot Ion: 63 Resp: 7139

Ion Ratio Lower Upper

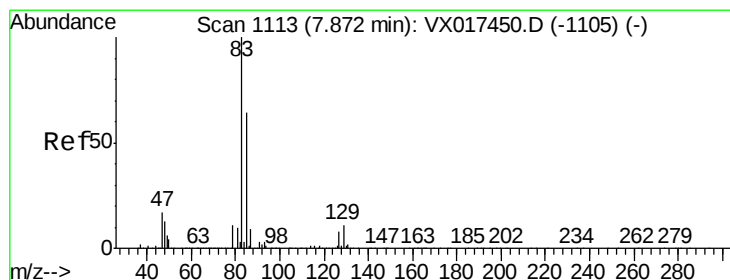
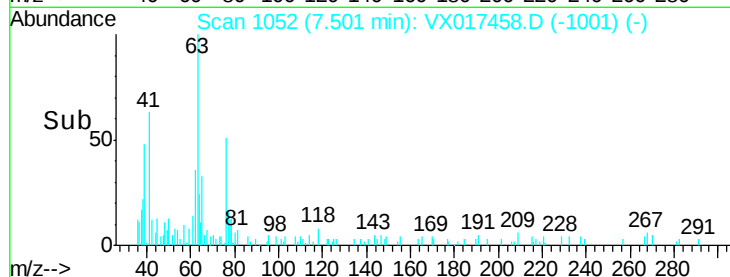
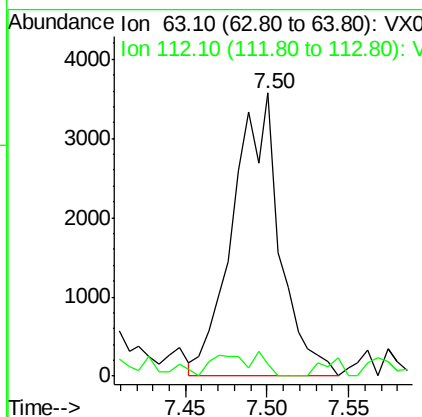
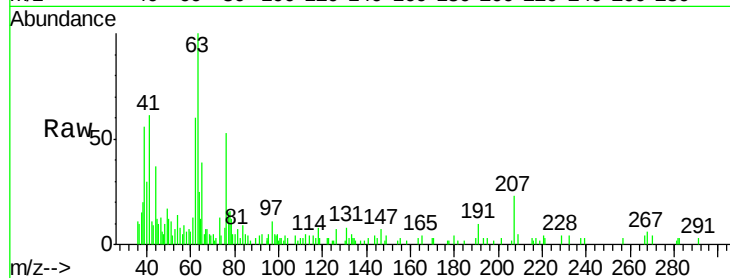
63 100

112 5.5 3.8 5.8

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#38

Bromodichloromethane

Concen: 0.253 ug/L

RT: 7.87 min Scan# 1113

Delta R.T. 0.00 min

Lab File: VX017458.D

Acq: 21 Jul 2020 16:46

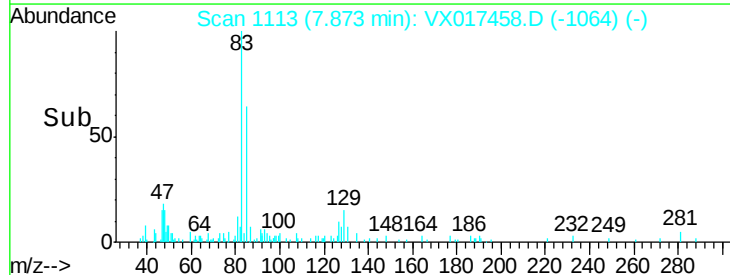
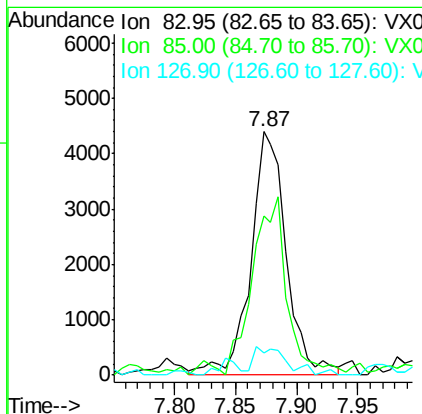
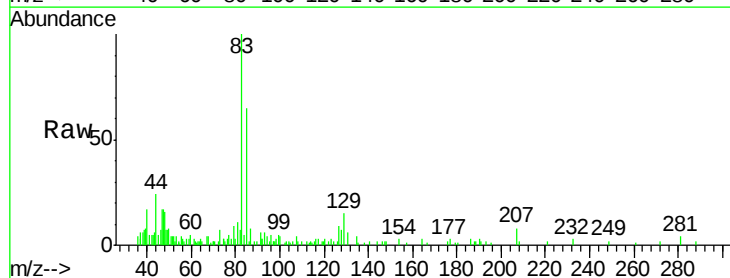
Tgt Ion: 83 Resp: 8888

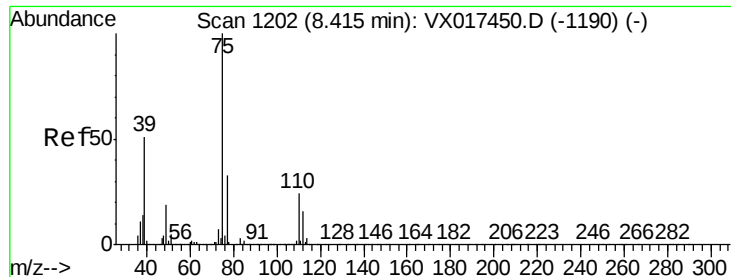
Ion Ratio Lower Upper

83 100

85 65.4 44.7 83.1

127 9.2 6.3 9.5





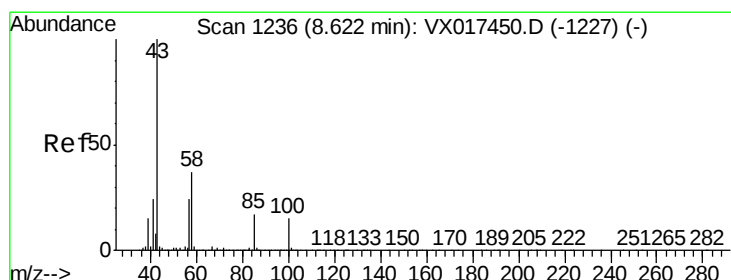
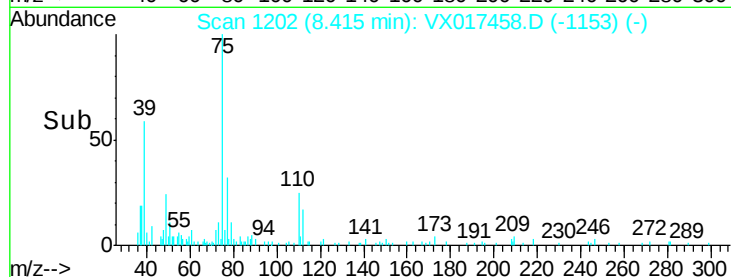
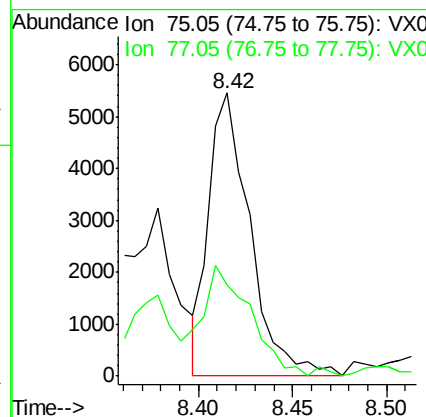
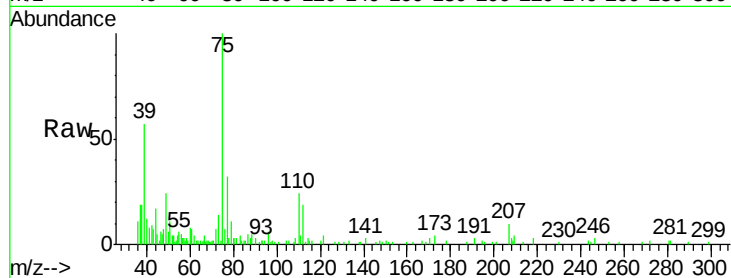
#39
 cis-1,3-Dichloropropene
 Concen: 0.219 ug/L
 RT: 8.42 min Scan# 1202
 Delta R.T. 0.00 min
 Lab File: VX017458.D
 Acq: 21 Jul 2020 16:46

Instrument :
 MSVOA_X
 ClientSampled :
 MDL04

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.3	23.1	42.9

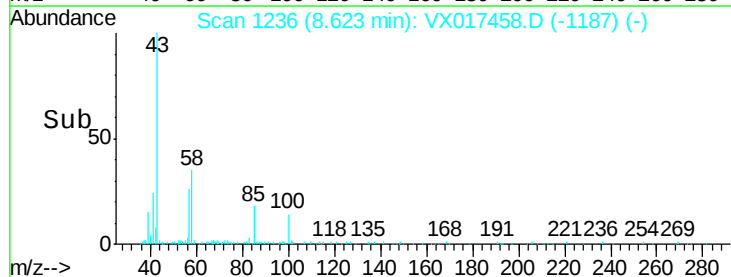
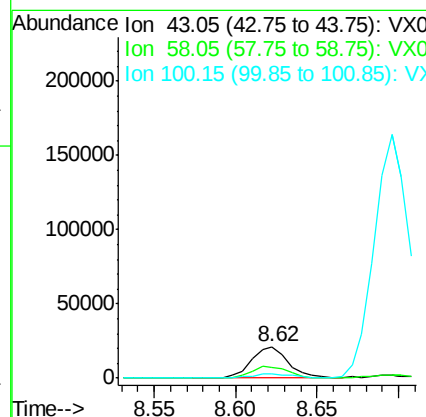
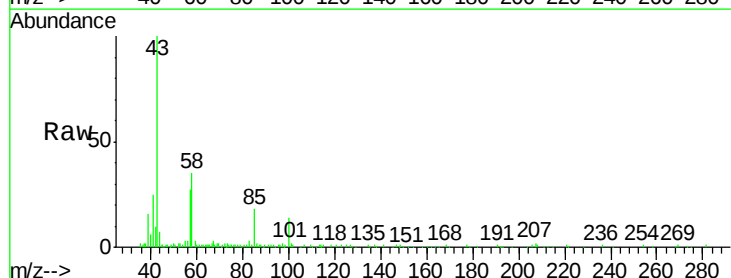
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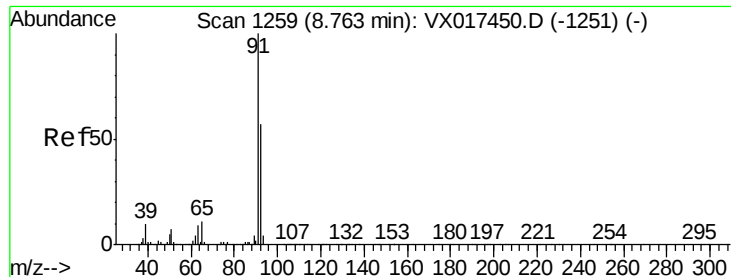
MMDadoda
 7/22/2020 9:11:08 AM



#40
 4-Methyl-2-pentanone
 Concen: 2.124 ug/L
 RT: 8.62 min Scan# 1236
 Delta R.T. 0.00 min
 Lab File: VX017458.D
 Acq: 21 Jul 2020 16:46

Tgt Ion	Ratio	Lower	Upper
43	100		
58	39.6	30.1	45.1
100	0.0	6.5	9.7#





#42

Toluene

Concen: 0.238 ug/L

RT: 8.77 min Scan# 1260

Delta R.T. 0.01 min

Lab File: VX017458.D

Acq: 21 Jul 2020 16:46

Instrument :

MSVOA_X

ClientSampleId :

MDL04

Tot Ion: 91 Resp: 24857

Ion Ratio Lower Upper

91 100

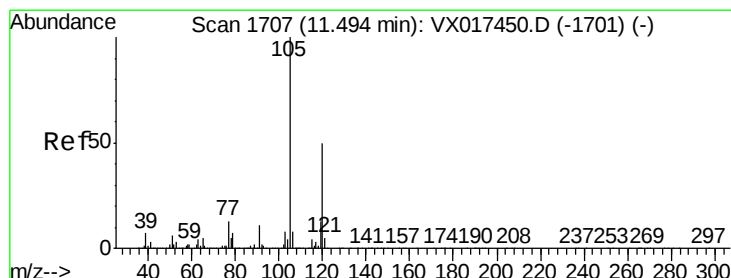
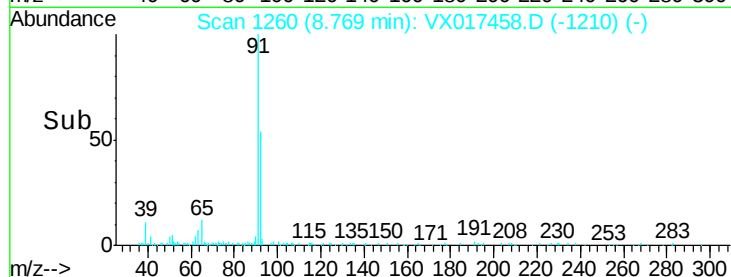
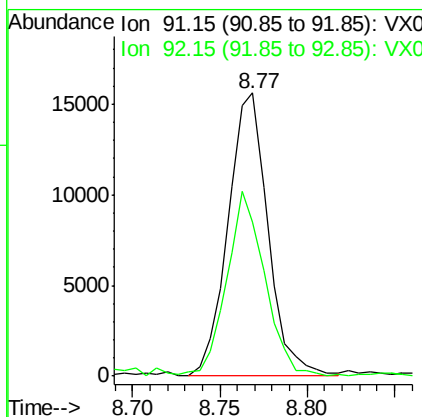
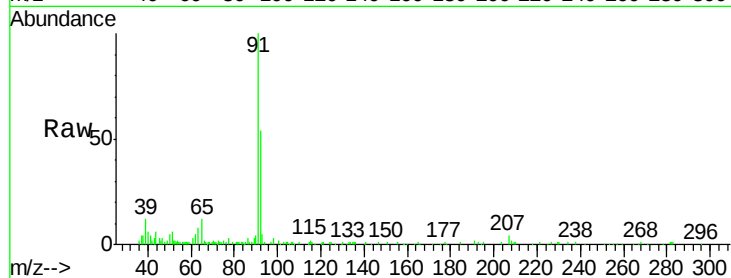
92 54.4 39.9 74.1

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#43

1,3,5-Trimethylbenzene

Concen: 0.186 ug/L

RT: 11.49 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VX017458.D

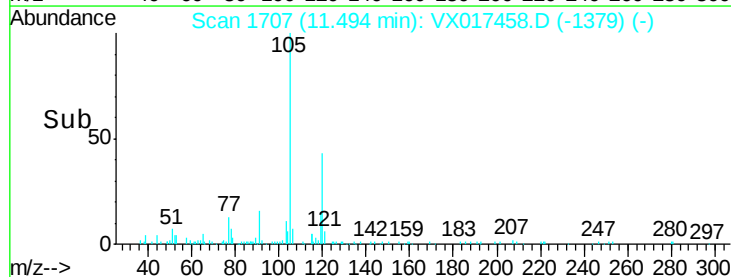
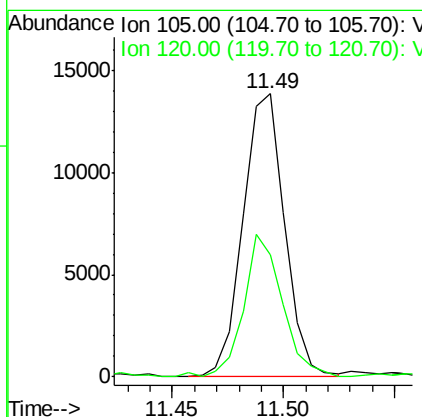
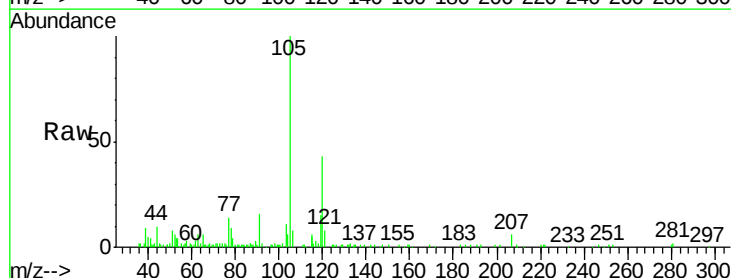
Acq: 21 Jul 2020 16:46

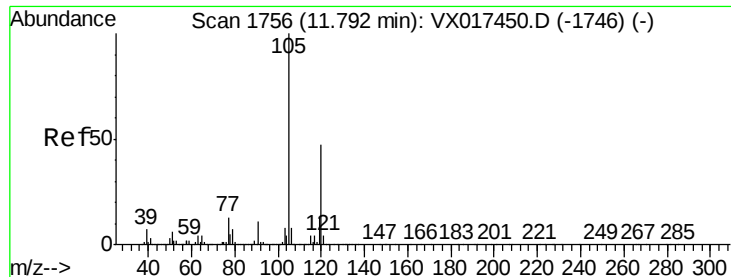
Tgt Ion: 105 Resp: 18112

Ion Ratio Lower Upper

105 100

120 46.6 38.2 57.2





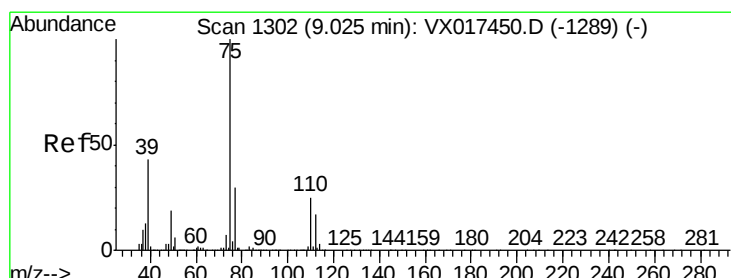
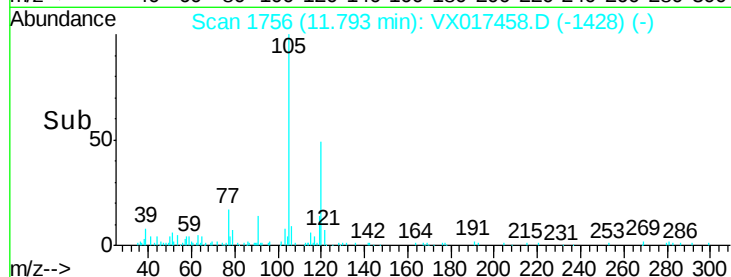
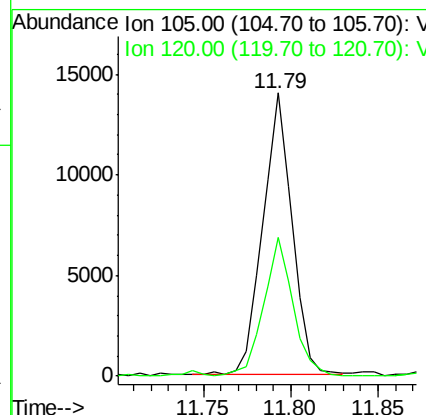
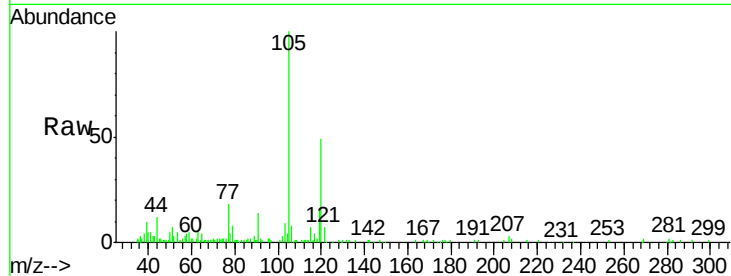
#44
 1,2,4-Trimethylbenzene
 Concen: 0.170 ug/L
 RT: 11.79 min Scan# 1756
 Delta R.T. 0.00 min
 Lab File: VX017458.D
 Acq: 21 Jul 2020 16:46

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL04

Tot Ion	Ratio	Lower	Upper
105	100		
120	49.4	36.5	54.7

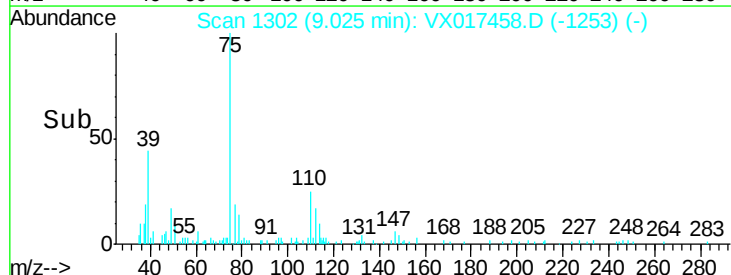
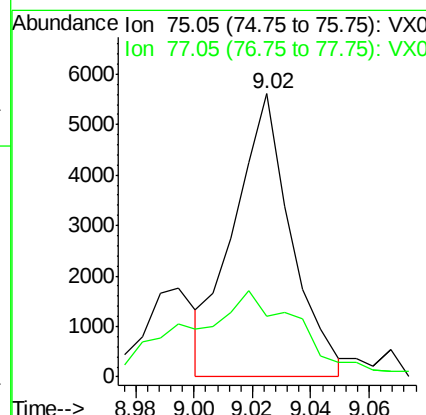
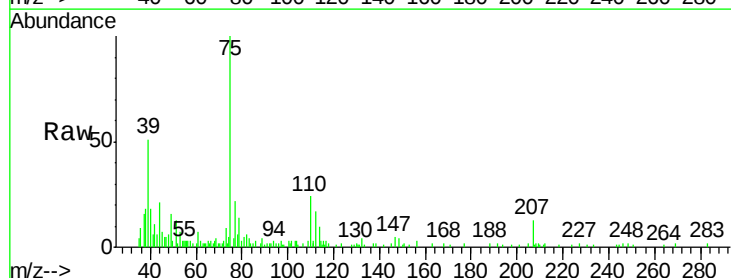
Manual Integrations
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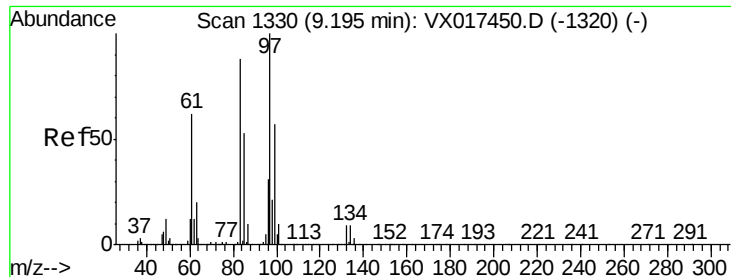
MMDadoda
 7/22/2020 9:11:08 AM



#46
 trans-1,3-Dichloropropene
 Concen: 0.232 ug/L m
 RT: 9.02 min Scan# 1302
 Delta R.T. 0.00 min
 Lab File: VX017458.D
 Acq: 21 Jul 2020 16:46

Tgt Ion	Ratio	Lower	Upper
75	100		
77	21.6	21.4	39.8





#47

1,1,2-Trichloroethane

Concen: 0.274 ug/L

RT: 9.20 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VX017458.D

Acq: 21 Jul 2020 16:46

Instrument :

MSVOA_X

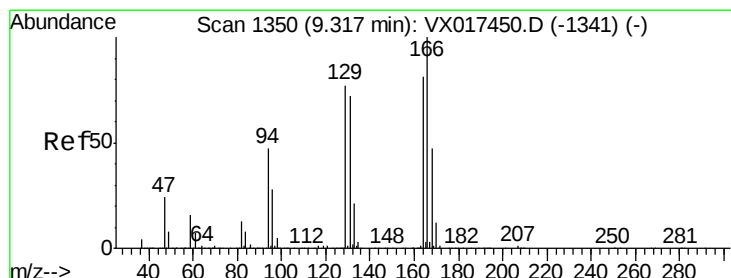
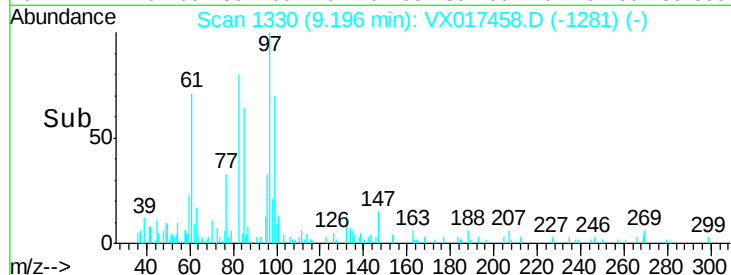
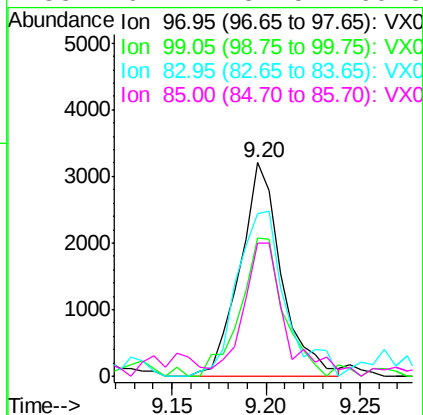
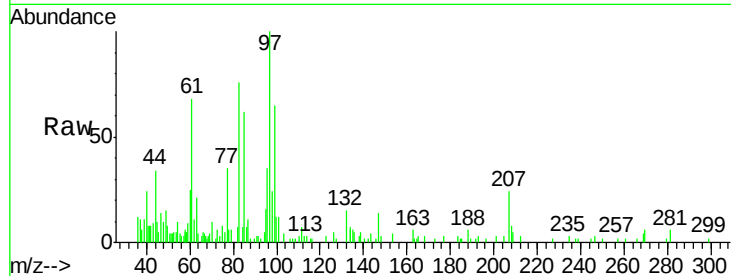
ClientSampled :

MDL04

Tot Ion	97	Resp:	4916
Ion	Ratio	Lower	Upper
97	100		
99	64.5	40.2	74.6
83	76.2	61.6	114.4
85	62.2	37.5	69.6

Manual Integrations
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MMDadoda
7/22/2020 9:11:08 AM



#49

Tetrachloroethene

Concen: 0.254 ug/L

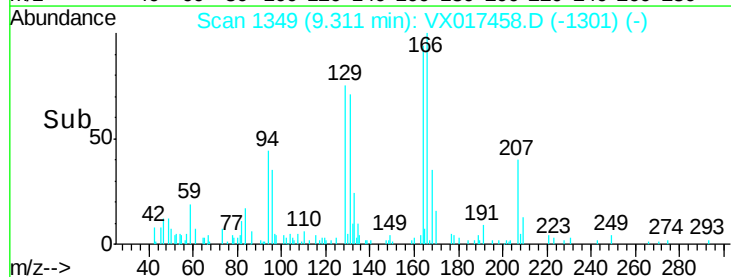
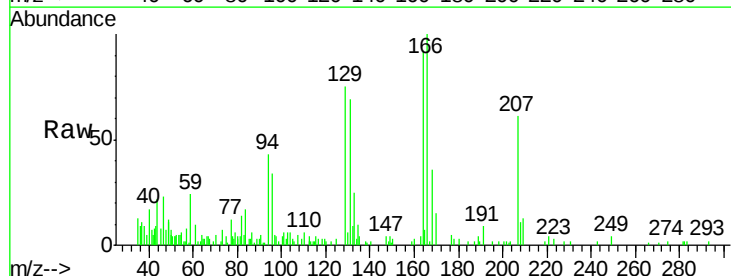
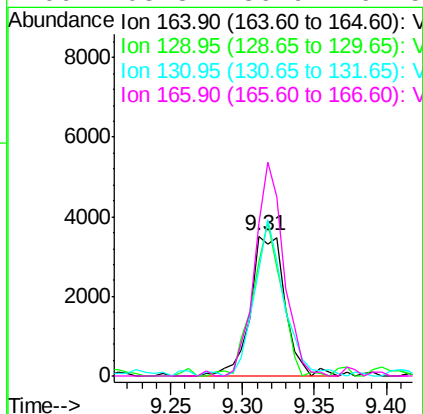
RT: 9.31 min Scan# 1349

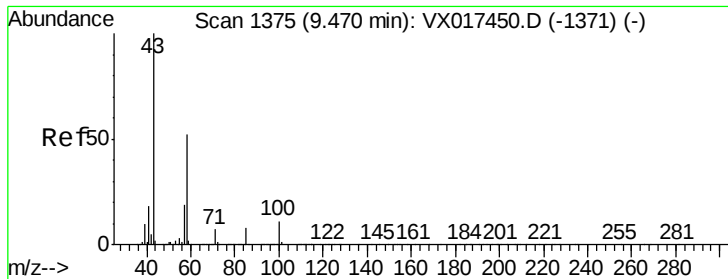
Delta R.T. -0.01 min

Lab File: VX017458.D

Acq: 21 Jul 2020 16:46

Tgt Ion	164	Resp:	5807
Ion	Ratio	Lower	Upper
164	100		
129	81.1	66.6	123.8
131	75.5	62.6	116.2
166	108.8	86.9	161.5





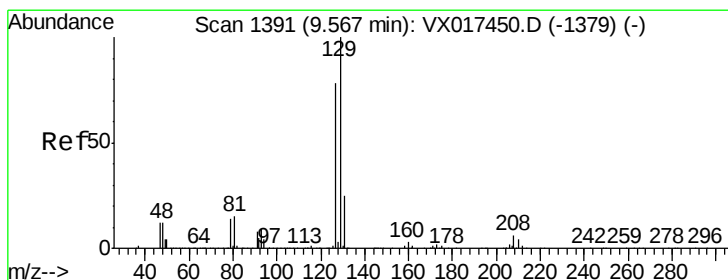
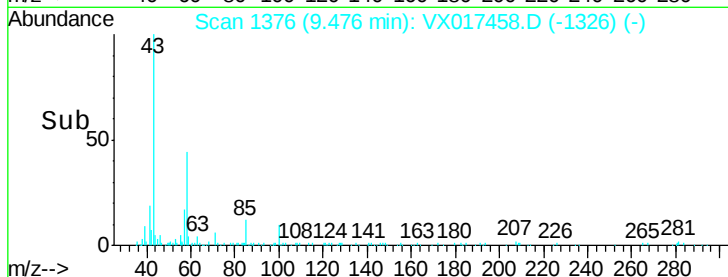
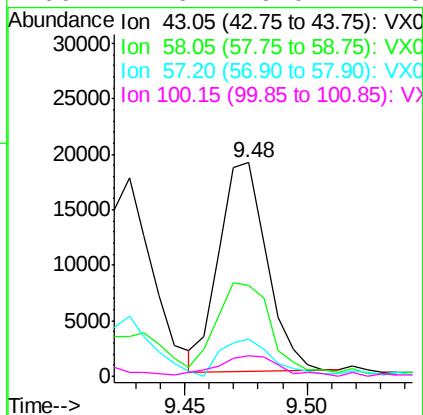
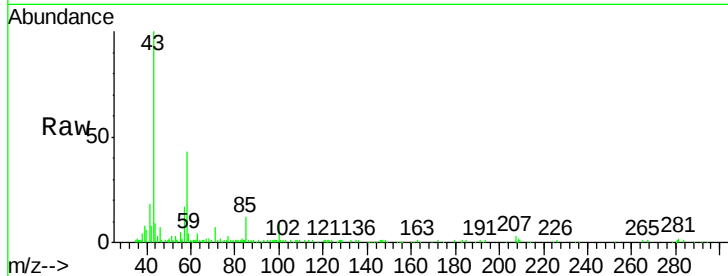
#50
2-Hexanone
Concen: 2.304 ug/L
RT: 9.48 min Scan# 1376
Delta R.T. 0.01 min
Lab File: VX017458.D
Acq: 21 Jul 2020 16:46

Instrument :
MSVOA_X
ClientSampleId :
MDL04

Tot Ion	Ion	Ratio	Lower	Upper
25761	43	100		
	58	52.4	41.4	62.0
	57	19.6	26.9	40.3#
	100	12.6	16.0	24.0#

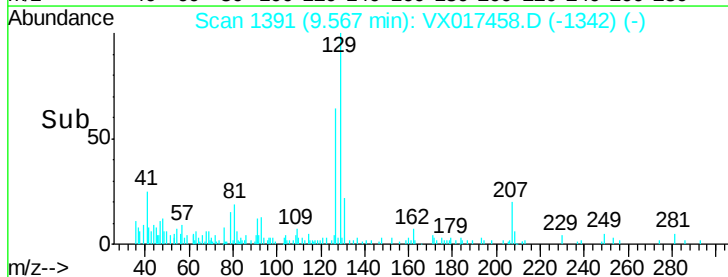
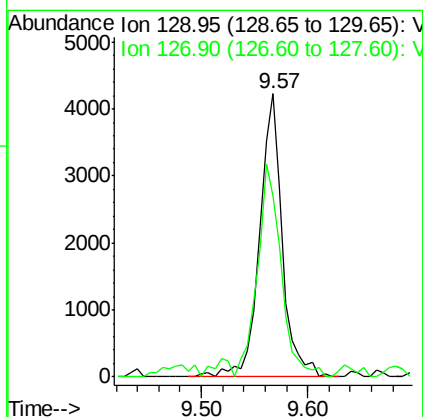
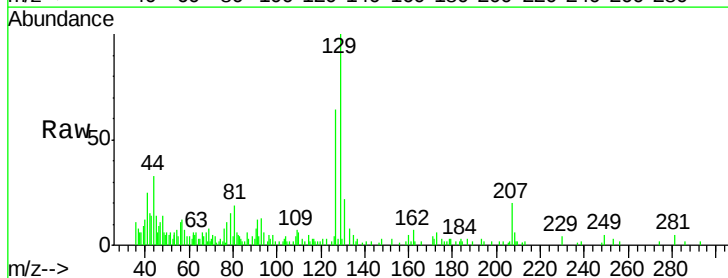
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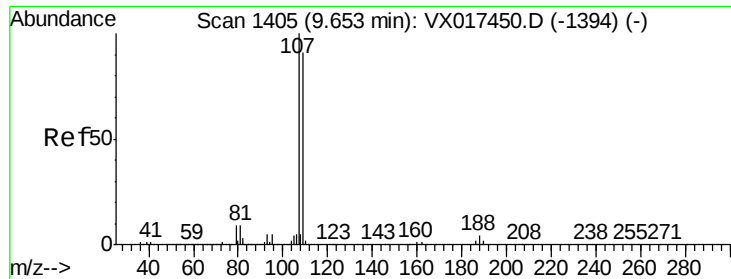
MMDadoda
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#51
Dibromochloromethane
Concen: 0.256 ug/L
RT: 9.57 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VX017458.D
Acq: 21 Jul 2020 16:46

Tgt Ion	Ion	Ratio	Lower	Upper
6297	129	100		
	127	63.7	54.7	101.5





#52

1,2-Dibromoethane

Concen: 0.281 ug/L

RT: 9.65 min Scan# 1405

Delta R.T. 0.00 min

Lab File: VX017458.D

Acq: 21 Jul 2020 16:46

Instrument :

MSVOA_X

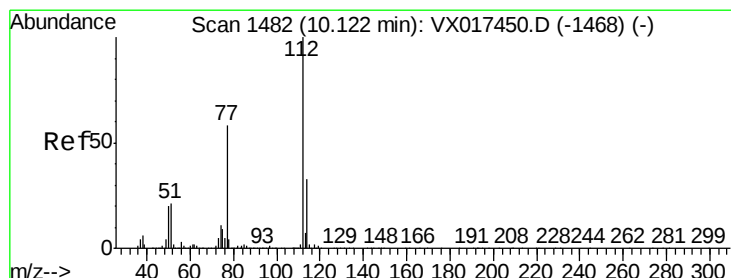
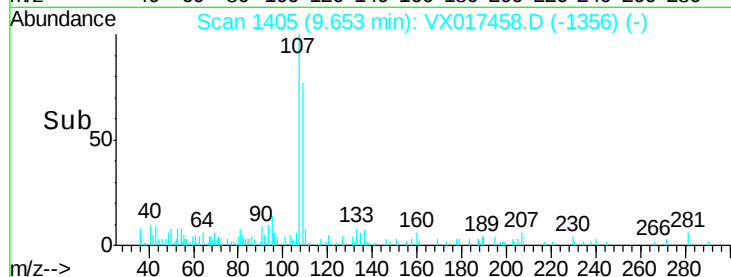
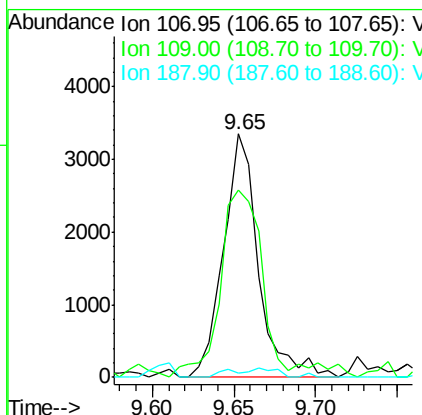
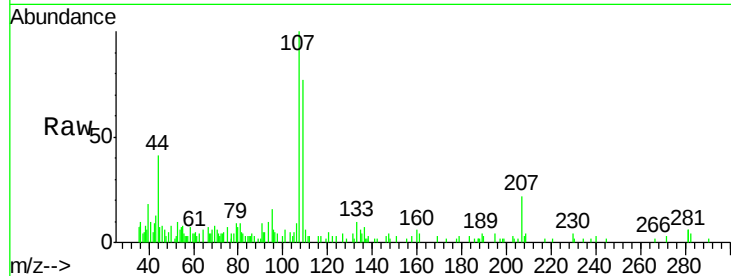
ClientSampled :

MDL04

Tot Ion:	107	Resp:	4996
Ion Ratio	Lower	Upper	
107	100		
109	76.8	63.9	118.7
188	1.6	3.0	4.4#

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#53

Chlorobenzene

Concen: 0.258 ug/L

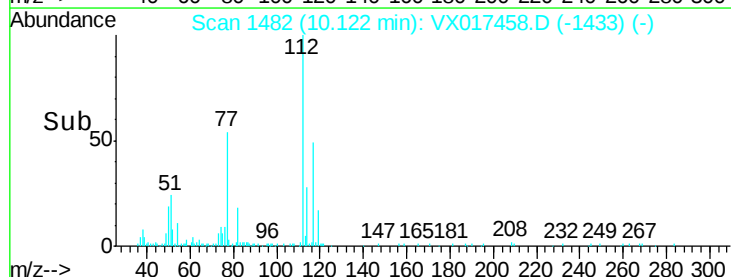
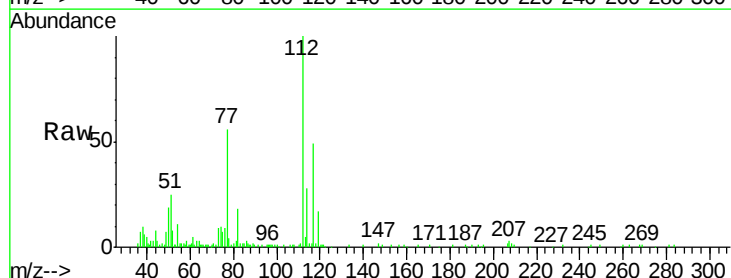
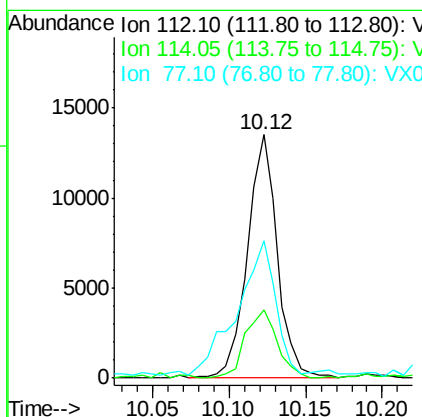
RT: 10.12 min Scan# 1482

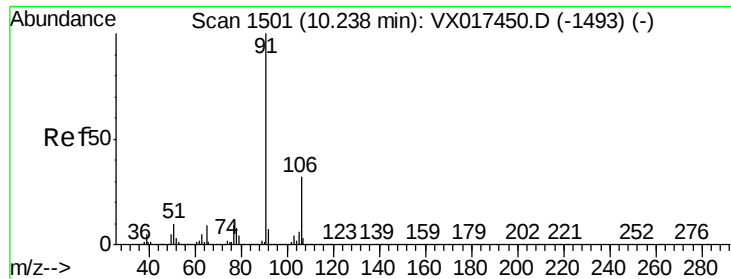
Delta R.T. 0.00 min

Lab File: VX017458.D

Acq: 21 Jul 2020 16:46

Tgt Ion:	112	Resp:	18372
Ion Ratio	Lower	Upper	
112	100		
114	28.0	23.1	42.9
77	56.5	46.2	69.2





#54

Ethylbenzene

Concen: 0.236 ug/L

RT: 10.24 min Scan# 1501

Delta R.T. 0.00 min

Lab File: VX017458.D

Acq: 21 Jul 2020 16:46

Instrument :

MSVOA_X

ClientSampled :

MDL04

Tot Ion: 91 Resp: 26750

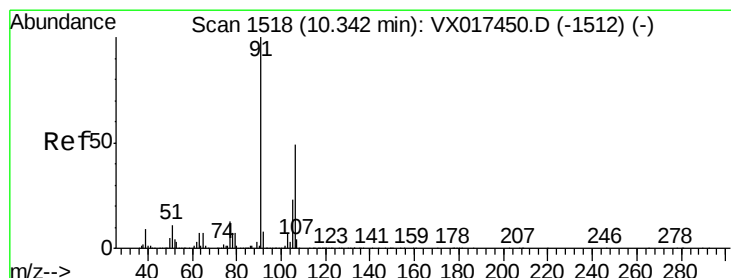
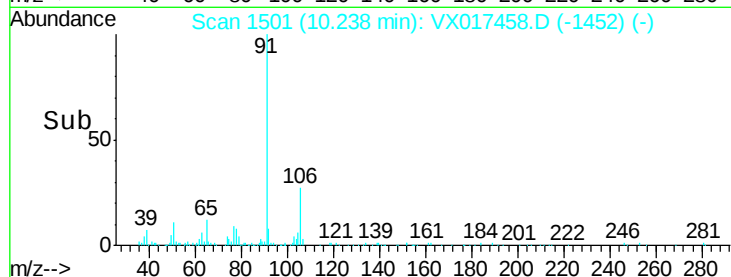
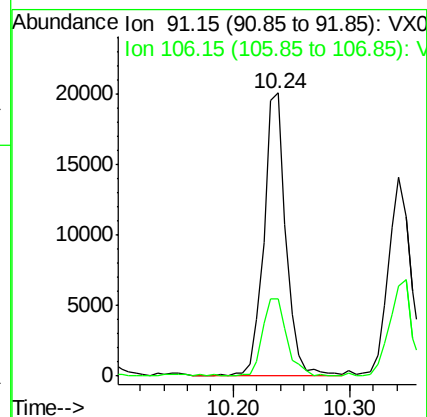
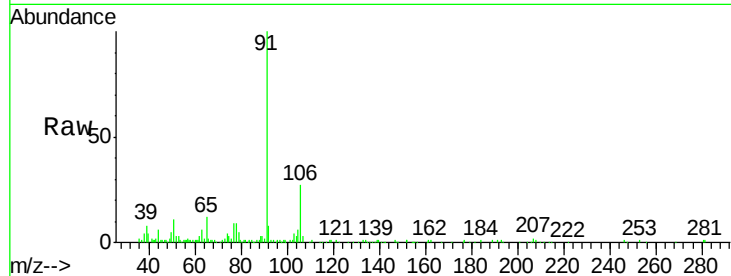
Ion Ratio Lower Upper

91 100

106 27.2 22.5 41.7

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#55

m,p-xylene

Concen: 0.207 ug/L

RT: 10.35 min Scan# 1519

Delta R.T. 0.01 min

Lab File: VX017458.D

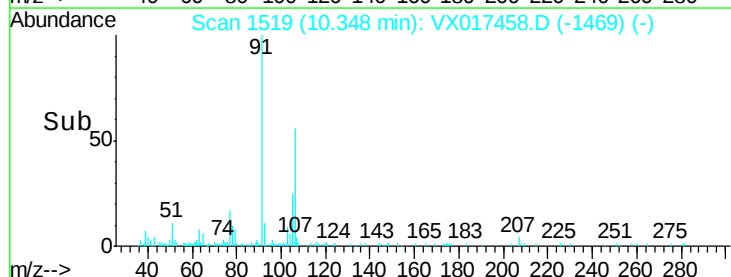
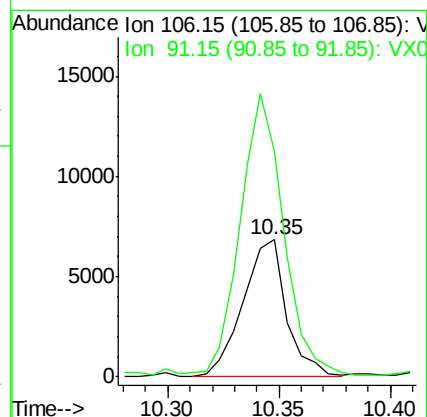
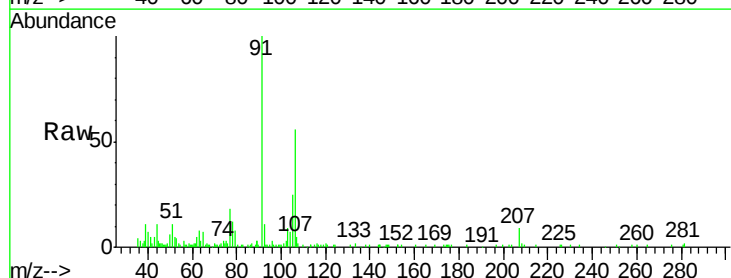
Acq: 21 Jul 2020 16:46

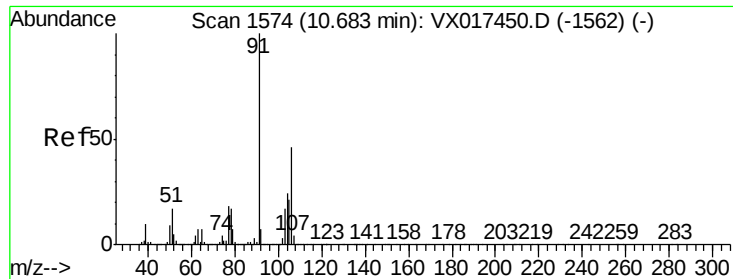
Tgt Ion: 106 Resp: 9375

Ion Ratio Lower Upper

106 100

91 165.1 142.7 264.9





#56

o-xylene

Concen: 0.236 ug/L

RT: 10.68 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VX017458.D

Acq: 21 Jul 2020 16:46

Instrument :

MSVOA_X

ClientSampled :

MDL04

Tot Ion:106 Resp: 10372

Ion Ratio Lower Upper

106 100

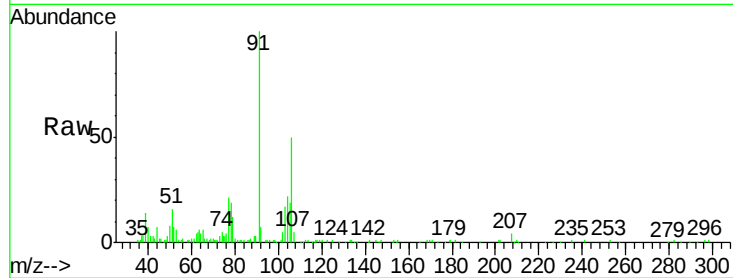
91 200.9 153.4 284.8

Manual Integrations

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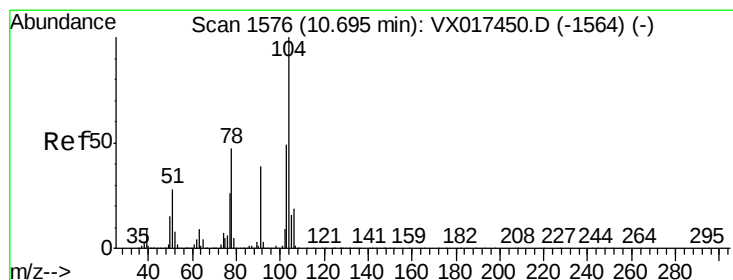
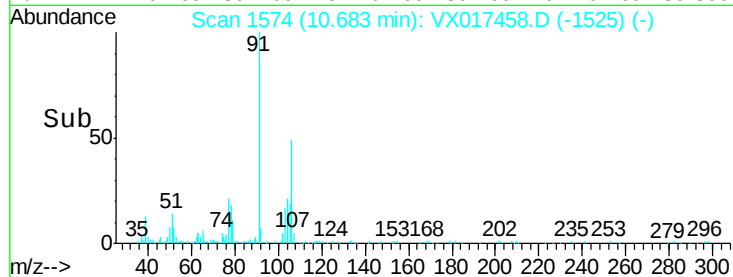
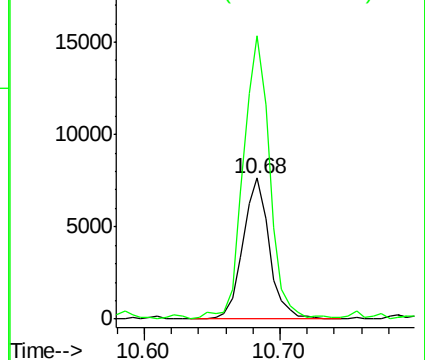
MMDadoda

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Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VX0



#57

Styrene

Concen: 0.198 ug/L

RT: 10.70 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VX017458.D

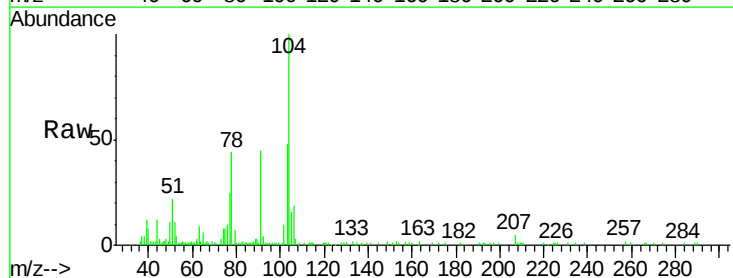
Acq: 21 Jul 2020 16:46

Tgt Ion:104 Resp: 14447

Ion Ratio Lower Upper

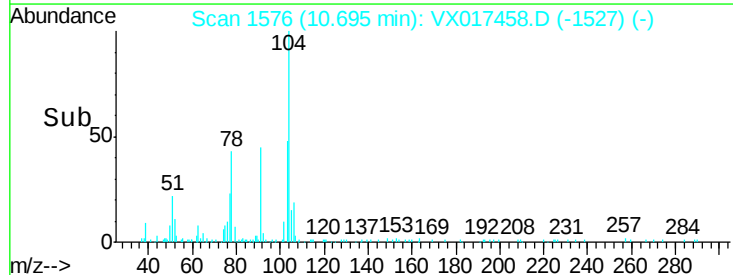
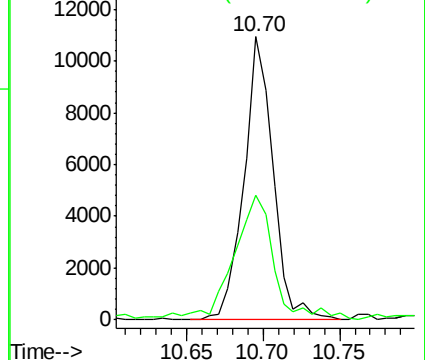
104 100

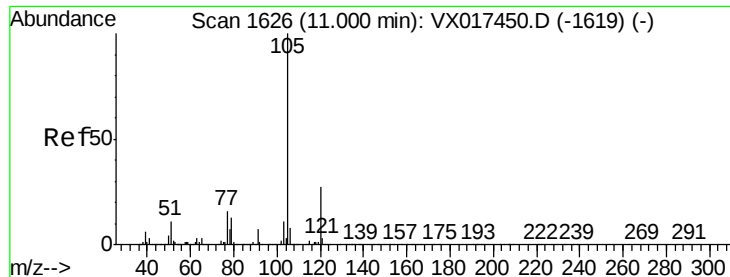
78 43.9 32.6 60.6



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VX0





#58

Isopropylbenzene

Concen: 0.211 ug/L

RT: 11.00 min Scan# 1626

Delta R.T. 0.00 min

Lab File: VX017458.D

Acq: 21 Jul 2020 16:46

Instrument :

MSVOA_X

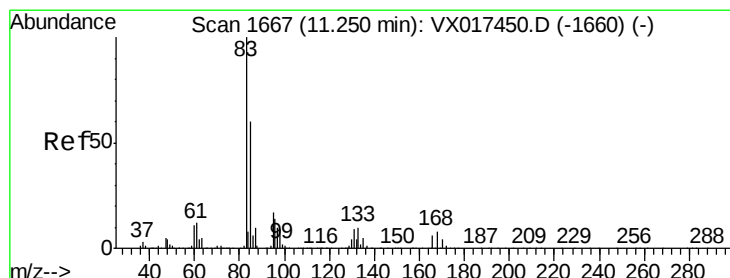
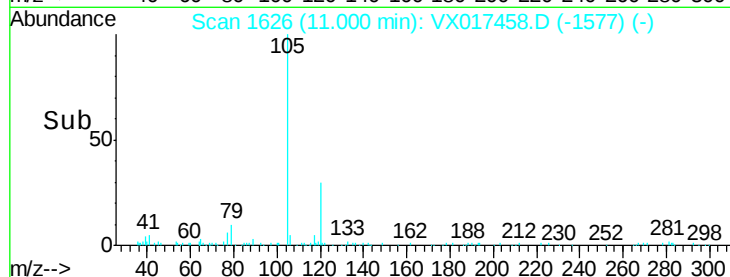
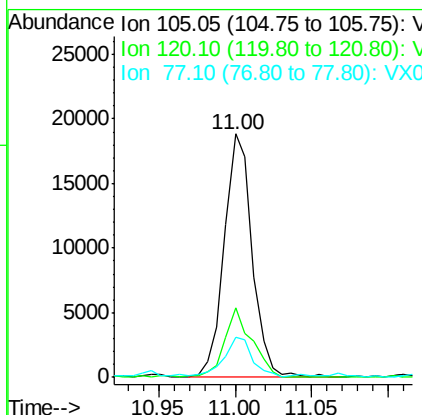
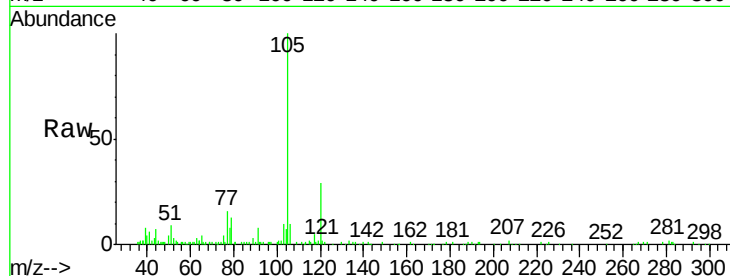
ClientSampled :

MDL04

Tot Ion:	105	Resp:	23893
Ion Ratio	Lower	Upper	
105	100		
120	28.1	21.4	32.2
77	17.4	13.0	19.6

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#60

1,1,2,2-Tetrachloroethane

Concen: 0.243 ug/L

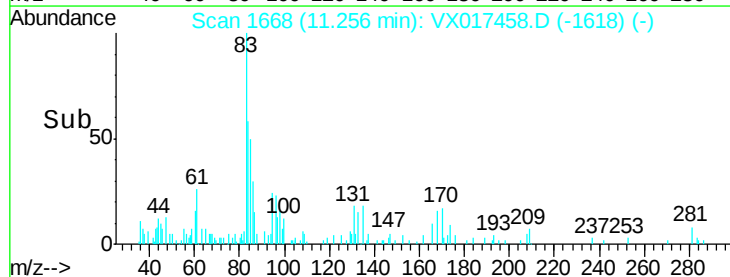
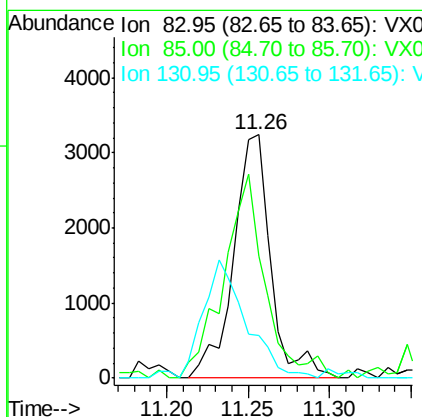
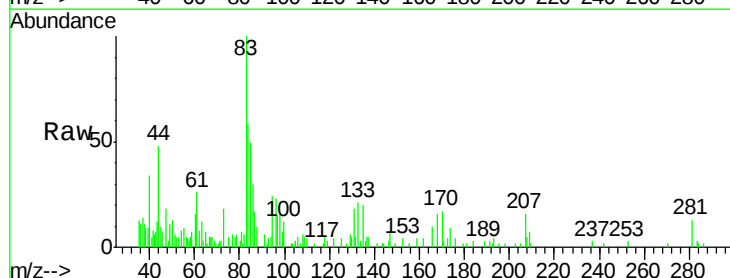
RT: 11.26 min Scan# 1668

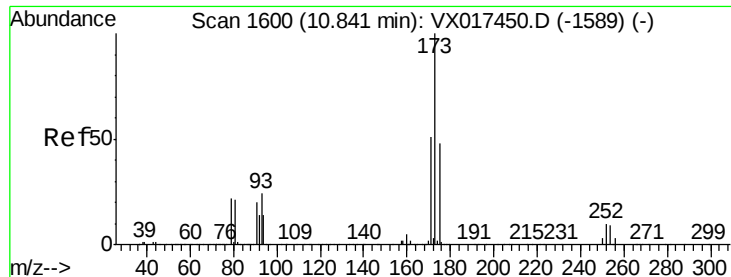
Delta R.T. 0.01 min

Lab File: VX017458.D

Acq: 21 Jul 2020 16:46

Tgt Ion:	83	Resp:	5172
Ion Ratio	Lower	Upper	
83	100		
85	50.0	42.1	78.1
131	17.6	7.7	11.5#





#62

Bromoform

Concen: 0.282 ug/L

RT: 10.84 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VX017458.D

Acq: 21 Jul 2020 16:46

Instrument :

MSVOA_X

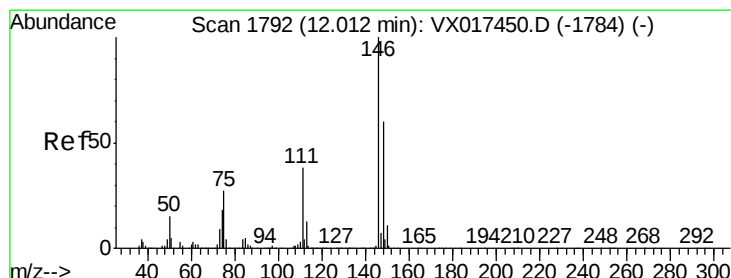
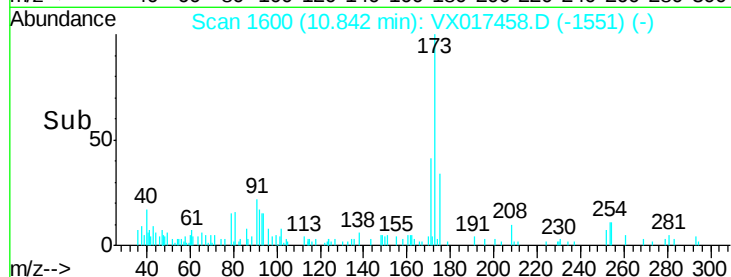
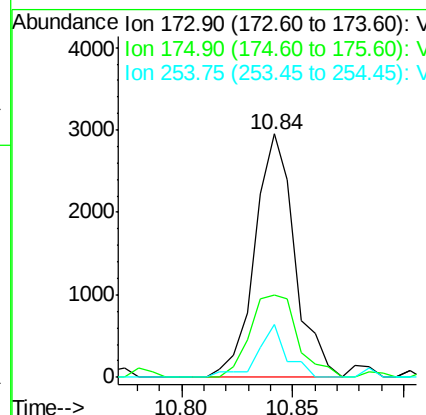
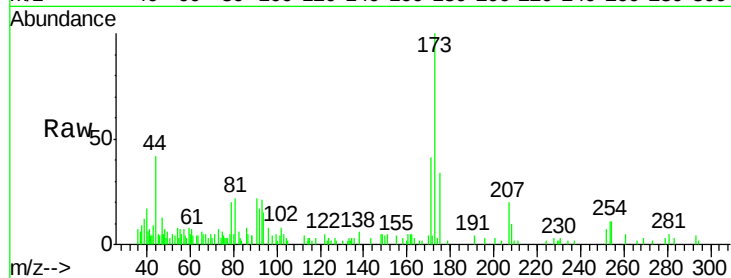
ClientSampleId :

MDL04

Tot Ion:	173	Resp:	3689
Ion Ratio	Lower	Upper	
173	100		
175	40.6	38.4	57.6
254	15.7	7.4	11.2#

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#63

1,3-Dichlorobenzene

Concen: 0.257 ug/L

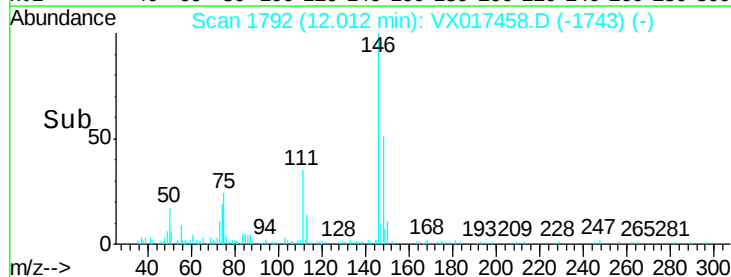
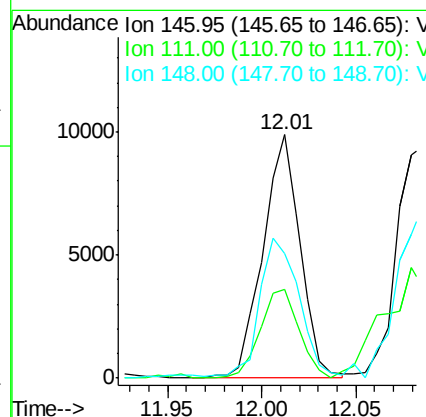
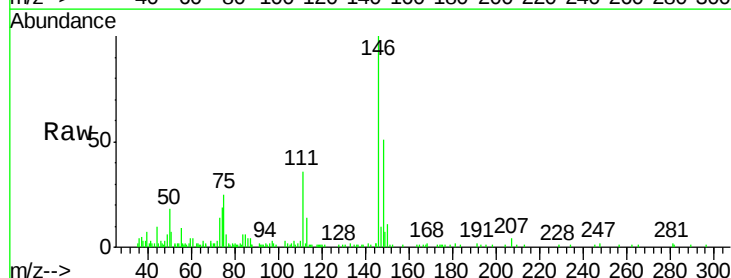
RT: 12.01 min Scan# 1792

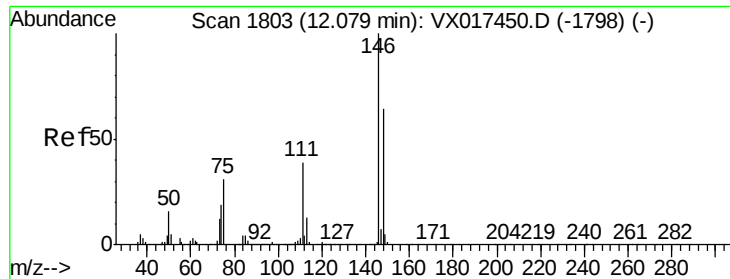
Delta R.T. 0.00 min

Lab File: VX017458.D

Acq: 21 Jul 2020 16:46

Tgt Ion:	146	Resp:	13507
Ion Ratio	Lower	Upper	
146	100		
111	36.3	26.8	49.8
148	51.3	42.1	78.3





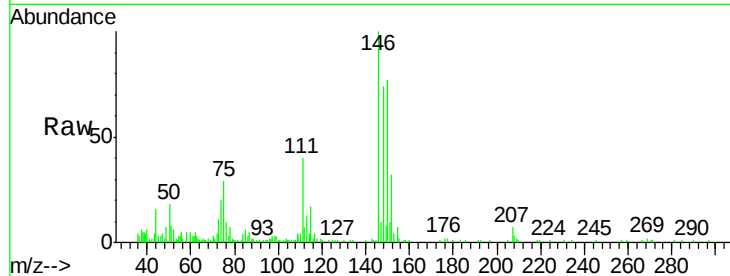
#64
 1,4-Dichlorobenzene
 Concen: 0.257 ug/L
 RT: 12.09 min Scan# 1804
 Delta R.T. 0.01 min
 Lab File: VX017458.D
 Acq: 21 Jul 2020 16:46

Instrument :
 MSVOA_X
 ClientSampled :
 MDL04

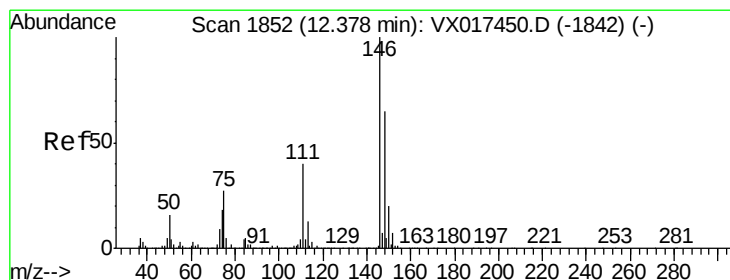
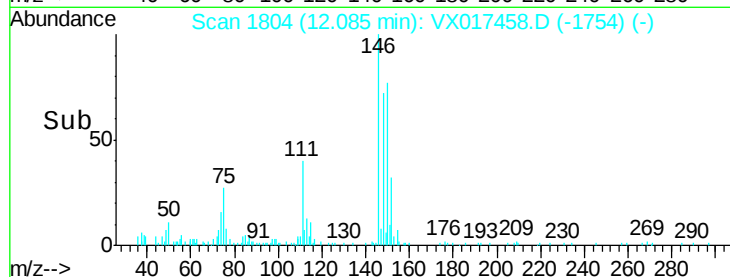
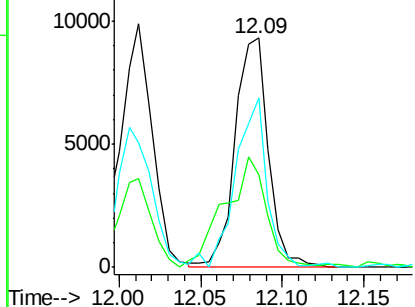
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.1	27.7	51.5
148	73.7	44.9	83.5

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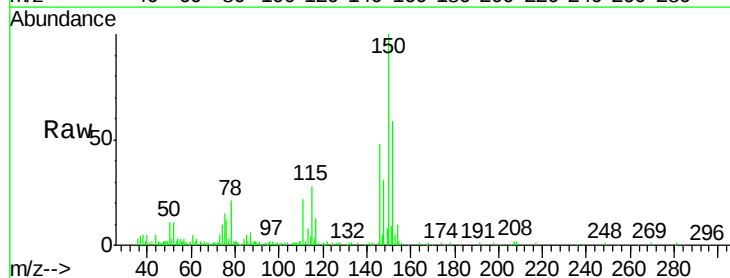


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

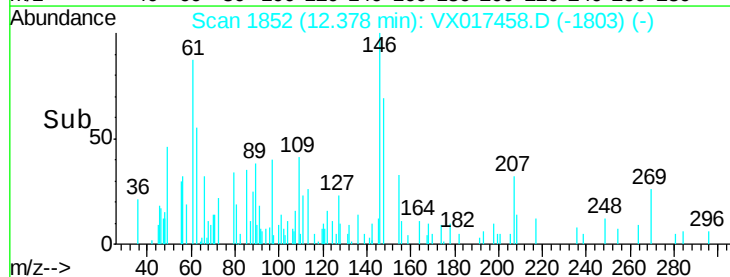
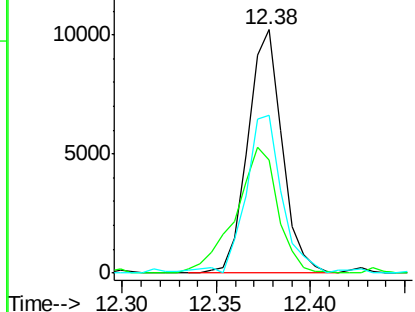


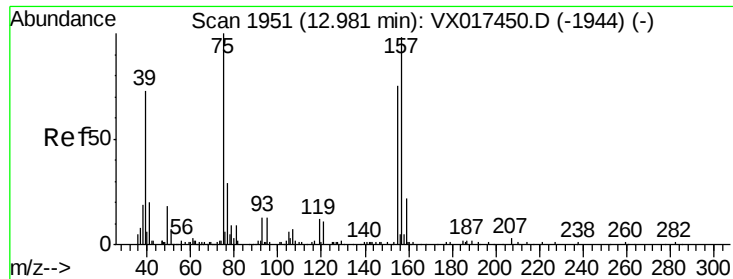
#66
 1,2-Dichlorobenzene
 Concen: 0.265 ug/L
 RT: 12.38 min Scan# 1852
 Delta R.T. 0.00 min
 Lab File: VX017458.D
 Acq: 21 Jul 2020 16:46

Tgt Ion	Ratio	Lower	Upper
146	100		
111	46.4	31.8	47.6
148	64.9	51.8	77.8



Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V





#67

1,2-Dibromo-3-chloropropane

Concen: 0.369 ug/L

RT: 12.99 min Scan# 1952

Delta R.T. 0.01 min

Lab File: VX017458.D

Acq: 21 Jul 2020 16:46

Instrument :

MSVOA_X

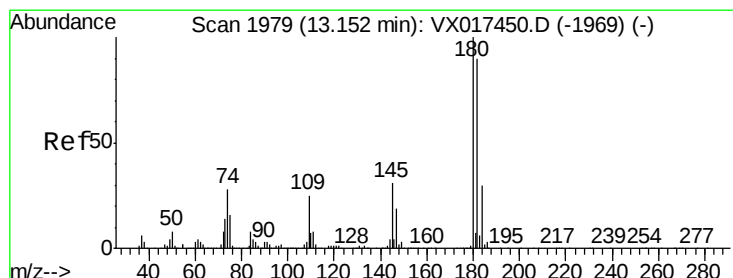
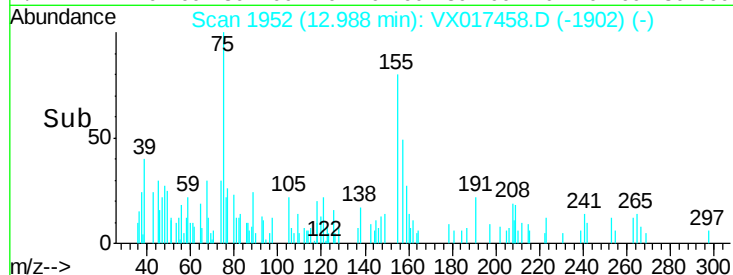
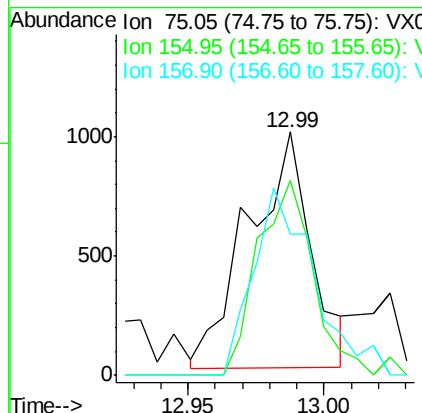
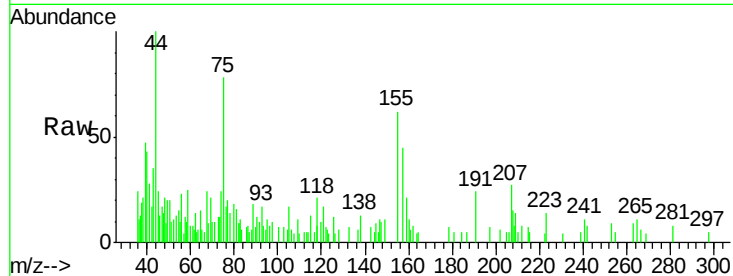
ClientSampled :

MDL04

Tot Ion	Ratio	Lower	Upper
75	100		
155	79.8	59.6	89.4
157	57.8	78.7	118.1#

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#68

1,3,5-Trichlorobenzene

Concen: 0.225 ug/L

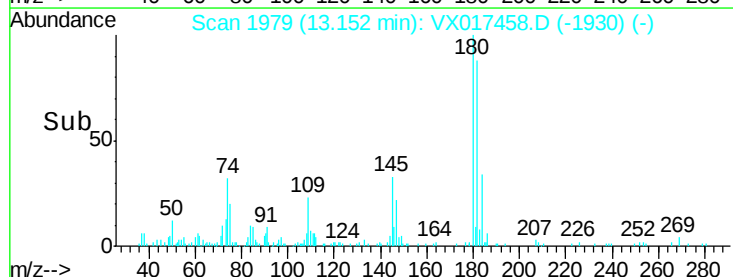
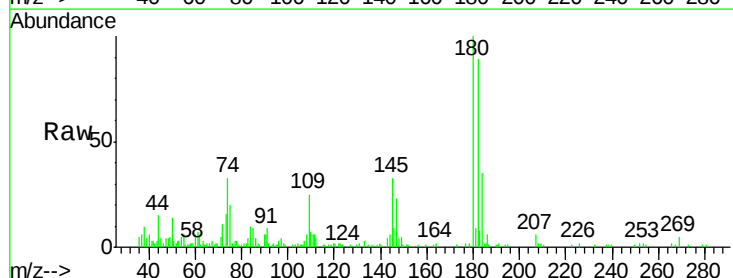
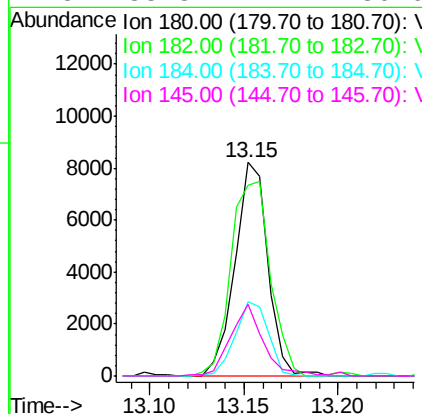
RT: 13.15 min Scan# 1979

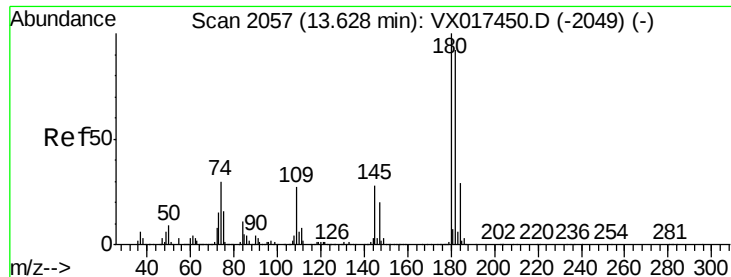
Delta R.T. 0.00 min

Lab File: VX017458.D

Acq: 21 Jul 2020 16:46

Tgt Ion	Ratio	Lower	Upper
180	100		
182	109.3	73.8	110.8
184	35.3	24.2	36.2
145	33.8	24.4	36.6





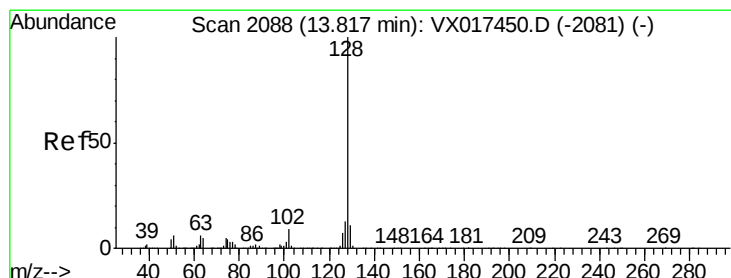
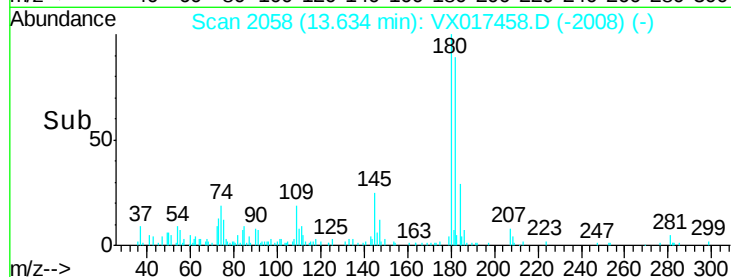
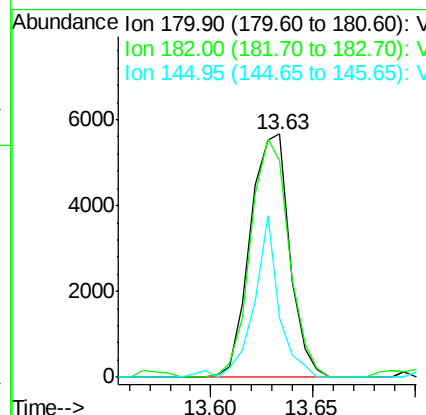
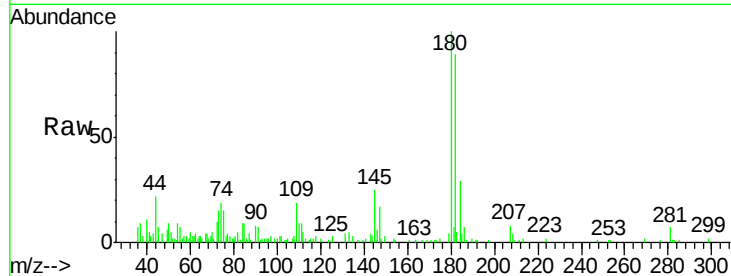
#69
 1,2,4-trichlorobenzene
 Concen: 0.235 ug/L
 RT: 13.63 min Scan# 2058
 Delta R.T. 0.01 min
 Lab File: VX017458.D
 Acq: 21 Jul 2020 16:46

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL04

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.8	75.3	112.9
145	42.4	24.3	36.5

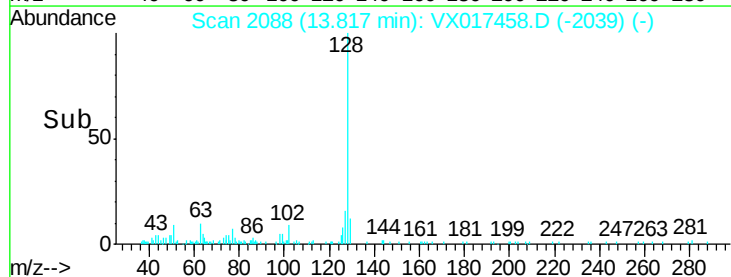
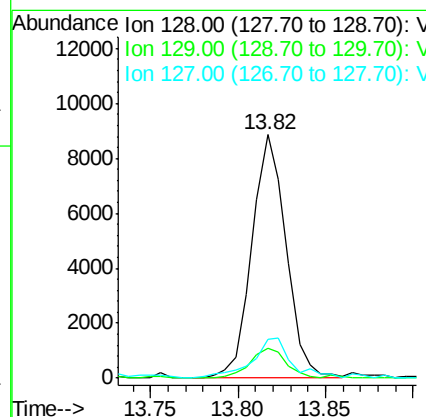
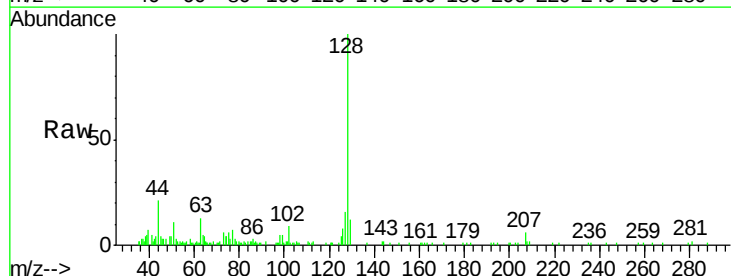
Manual Integrations
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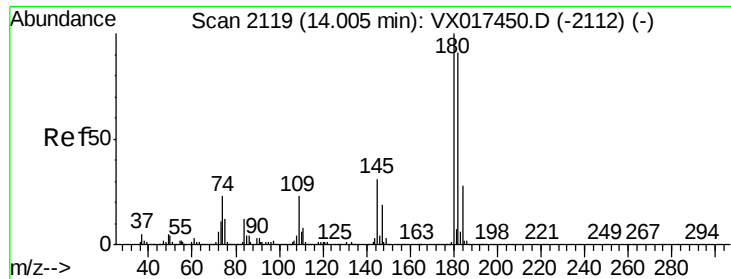
MMDadoda
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#70
 Naphthalene
 Concen: 0.214 ug/L
 RT: 13.82 min Scan# 2088
 Delta R.T. 0.00 min
 Lab File: VX017458.D
 Acq: 21 Jul 2020 16:46

Tgt Ion	Ratio	Lower	Upper
128	100		
129	12.9	8.7	13.1
127	18.7	10.2	15.4





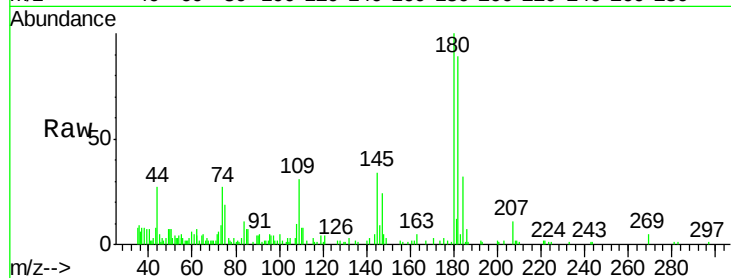
#71
 1,2,3-Trichlorobenzene
 Concen: 0.223 ug/L
 RT: 14.00 min Scan# 2118
 Delta R.T. -0.01 min
 Lab File: VX017458.D
 Acq: 21 Jul 2020 16:46

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL04

Tot Ion	Ratio	Lower	Upper
180	100		
182	103.5	75.3	112.9
145	42.4	26.9	40.3

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Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 181.90 (181.60 to 182.60): V
 Ion 144.95 (144.65 to 145.65): V

