

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX072120\
 Data File : VX017461.D
 Acq On : 21 Jul 2020 17:58
 Operator : JC/SP
 Sample : MDL07
 Misc : 25.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL07

Manual Integrations
 APPROVED

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

Quant Time: Jul 22 06:57:22 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	6.83	114	363036	5.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	361061	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	12.06	152	157321	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	125287	4.43	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.60%
7) Chloroethane-d5	1.69	69	84977	4.36	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.20%
11) 1,1-Dichloroethene-d2	2.34	63	187164	3.46	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	69.20%
20) 2-Butanone-d5	4.54	46	264974	50.23	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	100.46%
24) Chloroform-d	5.14	84	227262	4.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.40%
26) 1,2-Dichloroethane-d4	6.04	65	124074	4.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.80%
32) Benzene-d6	6.05	84	444174	5.01	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.20%
36) 1,2-Dichloropropane-d6	7.37	67	135550	5.20	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.00%
41) Toluene-d8	8.70	98	398229	4.66	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.20%
45) trans-1,3-Dichloropropene-	8.99	79	55133	4.82	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.40%
48) 2-Hexanone-d5	9.43	63	196073	48.38	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.76%
59) 1,1,2,2-Tetrachloroethane-	11.23	84	89323	4.39	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	87.80%
65) 1,2-Dichlorobenzene-d4	12.36	152	146544	5.51	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	110.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.18	85	10337	0.259 ug/L	89
3) Chloromethane	1.31	50	9661	0.260 ug/L	91
5) Vinyl chloride	1.39	62	8454m	0.239 ug/L	
6) Bromomethane	1.64	94	5327	0.277 ug/L	85
8) Chloroethane	1.72	64	5082	0.262 ug/L	97
9) Trichlorofluoromethane	1.92	101	14003	0.275 ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	2.37	101	8922	0.323 ug/L	92
12) 1,1-Dichloroethene	2.36	96	9324	0.363 ug/L #	1
13) Acetone	2.43	43	10308	2.422 ug/L	82
14) Carbon disulfide	2.55	76	21437	0.246 ug/L #	91
15) Methyl Acetate	2.75	43	4267	0.344 ug/L	95
16) Methylene chloride	2.84	84	13440	0.381 ug/L	88
17) Methyl tert-butyl Ether	3.17	73	13960	0.228 ug/L #	78
18) trans-1,2-Dichloroethene	3.14	96	7455	0.273 ug/L	86
19) 1,1-Dichloroethane	3.67	63	13285	0.276 ug/L	93
21) 2-Butanone	4.65	43	16778	2.475 ug/L	98
22) cis-1,2-Dichloroethene	4.56	96	7014	0.260 ug/L #	86

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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	4.99	128	4407	0.338	ug/L #	77
25) Chloroform	5.18	83	18731	0.370	ug/L	96
27) 1,2-Dichloroethane	6.17	62	9486	0.292	ug/L	97
29) 1,1,1-Trichloroethane	5.47	97	13139	0.271	ug/L #	89
30) Cyclohexane	5.55	56	10718	0.273	ug/L #	88
31) Carbon tetrachloride	5.76	117	10774	0.247	ug/L	94
33) Benzene	6.12	78	26236	0.247	ug/L	100
34) Trichloroethene	7.20	95	8084	0.282	ug/L	88
35) Methylcyclohexane	7.44	83	9094	0.234	ug/L #	91
37) 1,2-Dichloropropane	7.49	63	6179	0.231	ug/L #	94
38) Bromodichloromethane	7.88	83	9374	0.262	ug/L #	86
39) cis-1,3-Dichloropropene	8.42	75	8619	0.223	ug/L	91
40) 4-Methyl-2-pentanone	8.62	43	34839	2.228	ug/L #	96
42) Toluene	8.76	91	26946	0.253	ug/L	98
43) 1,3,5-Trimethylbenzene	11.49	105	18964	0.191	ug/L	98
44) 1,2,4-Trimethylbenzene	11.79	105	18264	0.186	ug/L	99
46) trans-1,3-Dichloropropene	9.02	75	10868	0.327	ug/L	87
47) 1,1,2-Trichloroethane	9.20	97	5361	0.293	ug/L #	80
49) Tetrachloroethene	9.32	164	6856	0.294	ug/L	87
50) 2-Hexanone	9.48	43	25464	2.231	ug/L #	91
51) Dibromochloromethane	9.57	129	6306	0.251	ug/L	92
52) 1,2-Dibromoethane	9.65	107	4605	0.254	ug/L	92
53) Chlorobenzene	10.12	112	18381	0.253	ug/L	85
54) Ethylbenzene	10.23	91	28395	0.246	ug/L	100
55) m,p-xylene	10.34	106	11457	0.248	ug/L	100
56) o-xylene	10.68	106	10022	0.224	ug/L	95
57) Styrene	10.70	104	14726	0.197	ug/L	83
58) Isopropylbenzene	11.00	105	25080	0.217	ug/L	95
60) 1,1,2,2-Tetrachloroethane	11.26	83	5833	0.268	ug/L #	93
62) Bromoform	10.85	173	3647	0.289	ug/L #	97
63) 1,3-Dichlorobenzene	12.01	146	13998	0.276	ug/L	99
64) 1,4-Dichlorobenzene	12.09	146	14253	0.286	ug/L	94
66) 1,2-Dichlorobenzene	12.38	146	12311	0.262	ug/L	96
67) 1,2-Dibromo-3-chloropropan	12.98	75	1789	0.433	ug/L #	57
68) 1,3,5-Trichlorobenzene	13.15	180	11749	0.275	ug/L	96
69) 1,2,4-trichlorobenzene	13.63	180	8026	0.257	ug/L	90
70) Naphthalene	13.82	128	11821	0.216	ug/L #	90
71) 1,2,3-Trichlorobenzene	14.00	180	7823	0.271	ug/L	95

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

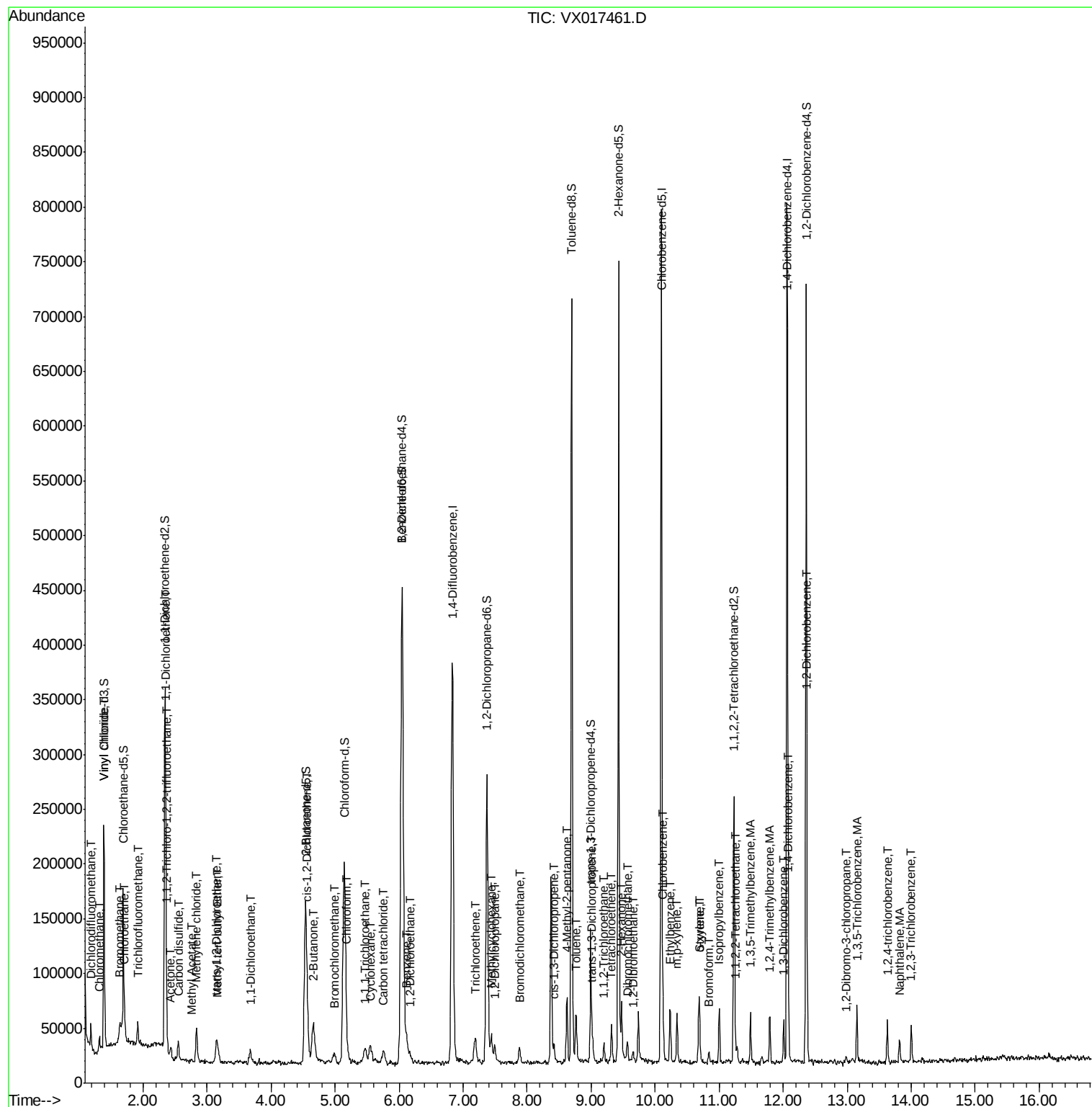
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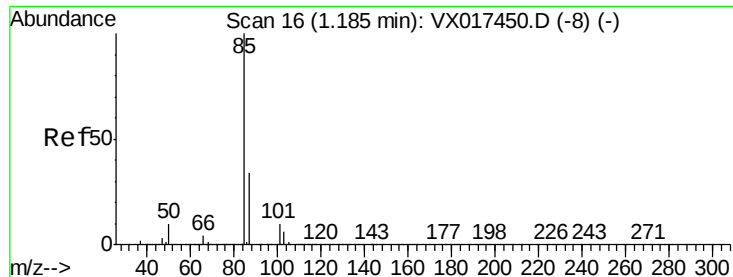
Instrument :
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ClientSampleId :
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Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 0.259 ug/L

RT: 1.18 min Scan# 16

Delta R.T. -0.00 min

Lab File: VX017461.D

Acq: 21 Jul 2020 17:58

Instrument :

MSVOA_X

ClientSampled :

MDL07

Tot Ion: 85 Resp: 10337

Ion Ratio Lower Upper

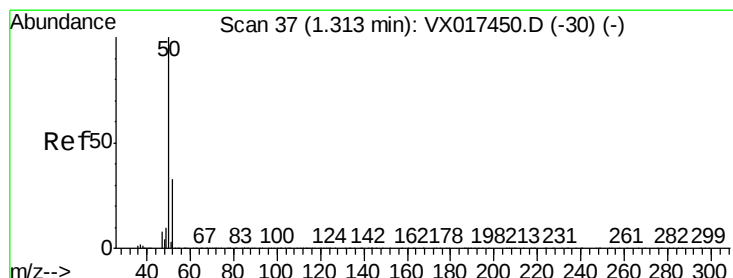
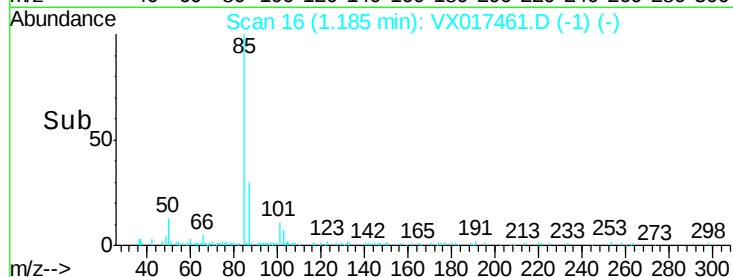
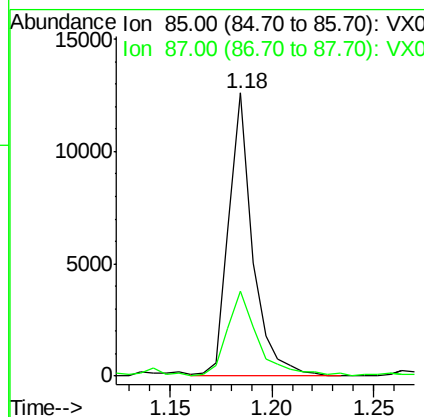
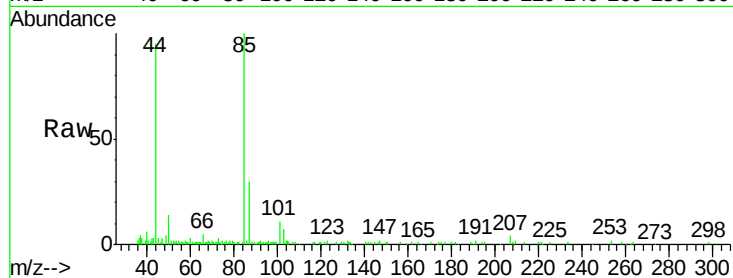
85 100

87 38.5 26.1 39.1

Manual Integrations
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#3

Chloromethane

Concen: 0.260 ug/L

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX017461.D

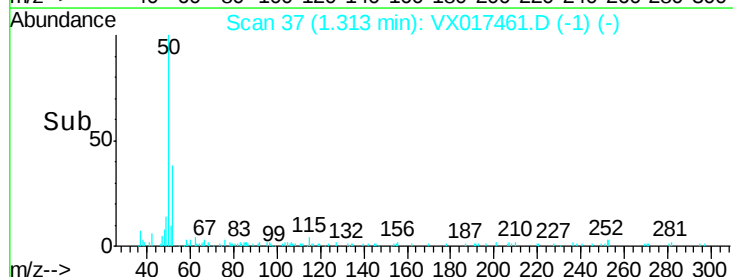
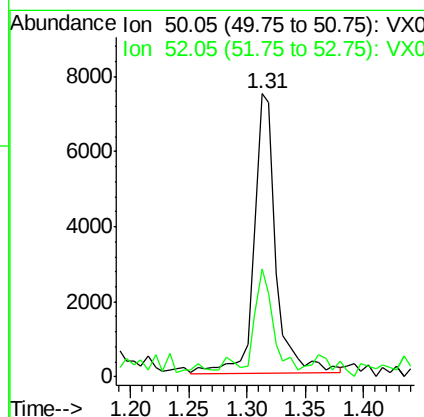
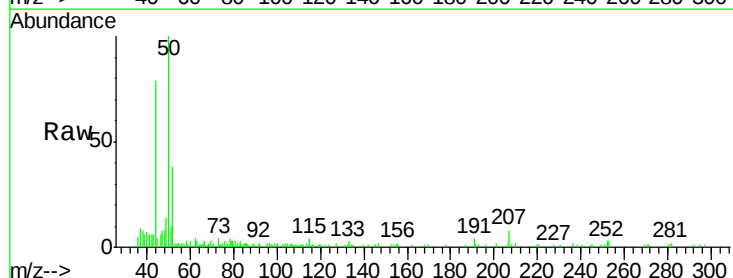
Acq: 21 Jul 2020 17:58

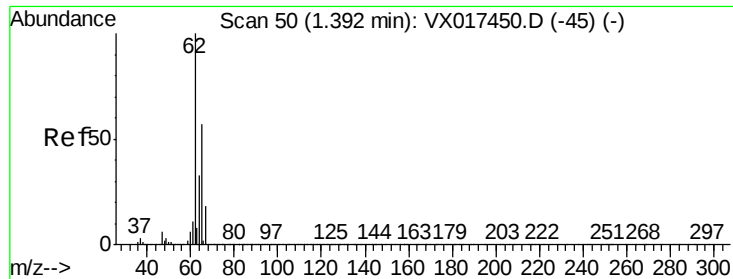
Tgt Ion: 50 Resp: 9661

Ion Ratio Lower Upper

50 100

52 38.3 23.2 43.2





#5

Vinyl chloride

Concen: 0.239 ug/L m

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX017461.D

Acq: 21 Jul 2020 17:58

Instrument :

MSVOA_X

ClientSampleId :

MDL07

Tot Ion: 62 Resp: 8454

Ion Ratio Lower Upper

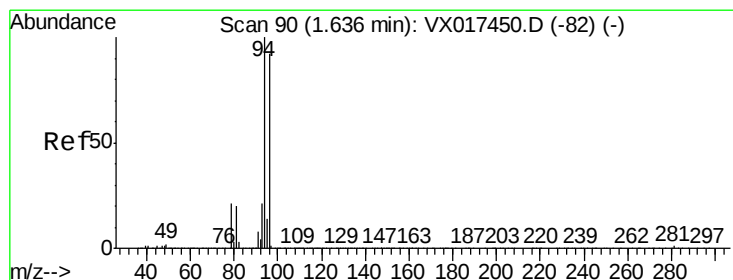
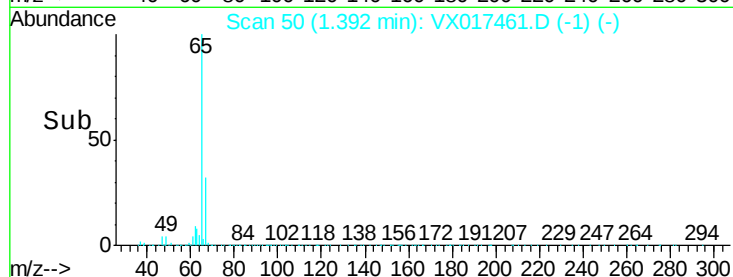
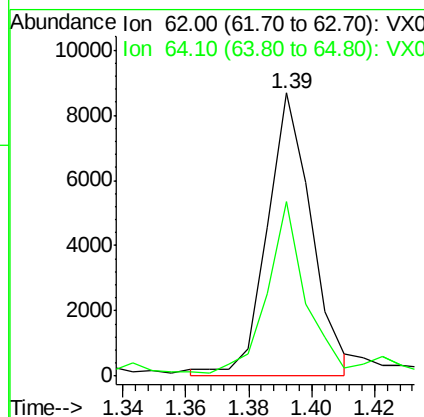
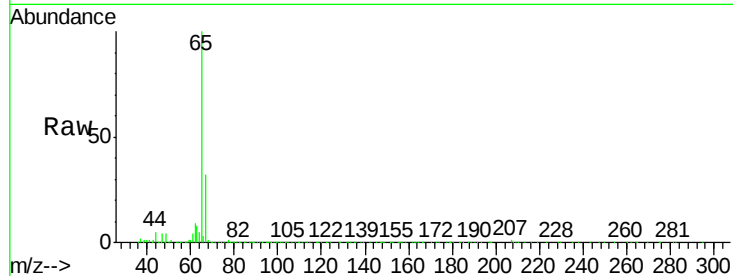
62 100

64 61.5 23.2 43.2#

Manual Integrations
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#6

Bromomethane

Concen: 0.277 ug/L

RT: 1.64 min Scan# 90

Delta R.T. 0.00 min

Lab File: VX017461.D

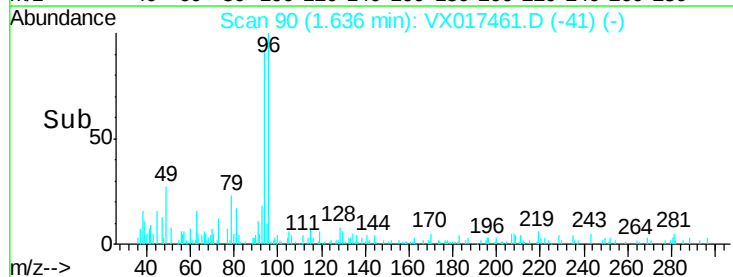
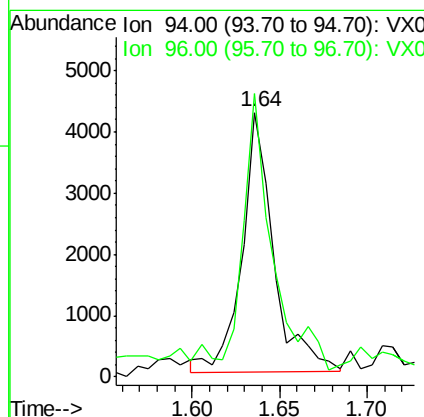
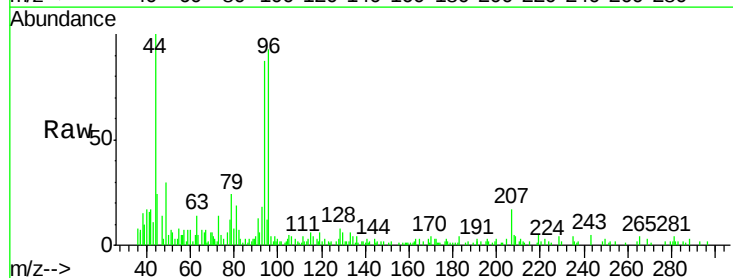
Acq: 21 Jul 2020 17:58

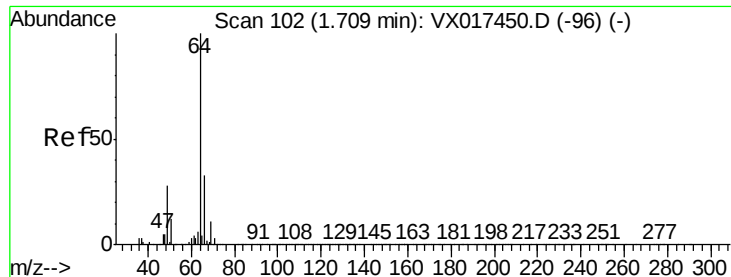
Tgt Ion: 94 Resp: 5327

Ion Ratio Lower Upper

94 100

96 107.0 64.8 120.4





#8

Chloroethane

Concen: 0.262 ug/L

RT: 1.72 min Scan# 103

Delta R.T. 0.01 min

Lab File: VX017461.D

Acq: 21 Jul 2020 17:58

Instrument :

MSVOA_X

ClientSampled :

MDL07

Tot Ion: 64 Resp: 5082

Ion Ratio Lower Upper

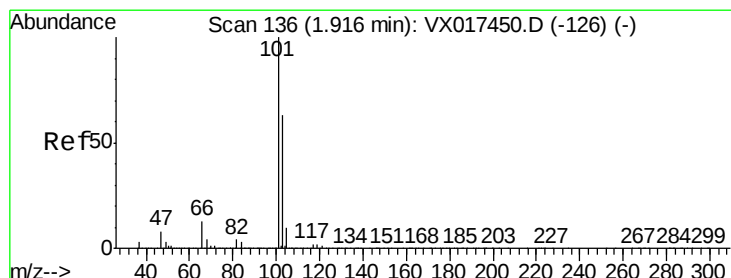
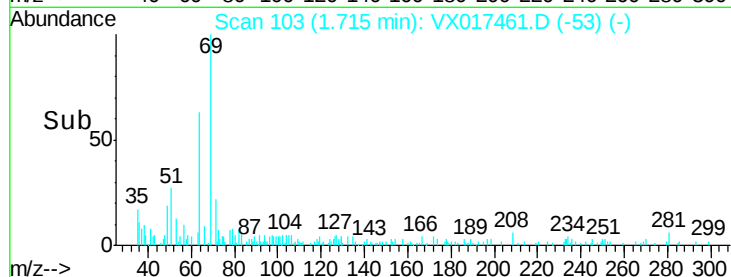
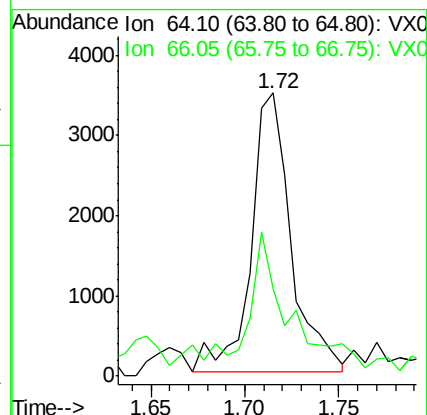
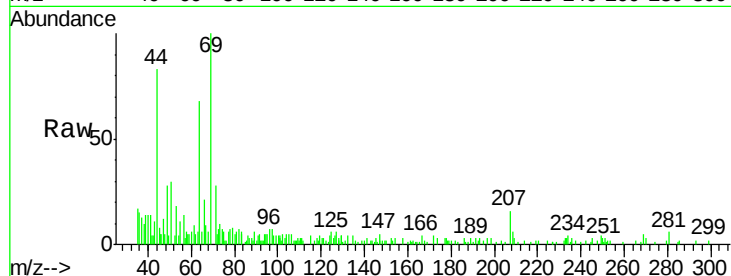
64 100

66 31.1 23.1 42.9

Manual Integrations
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#9

Trichlorofluoromethane

Concen: 0.275 ug/L

RT: 1.92 min Scan# 136

Delta R.T. -0.00 min

Lab File: VX017461.D

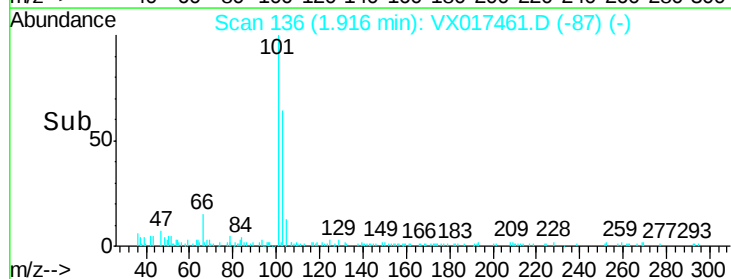
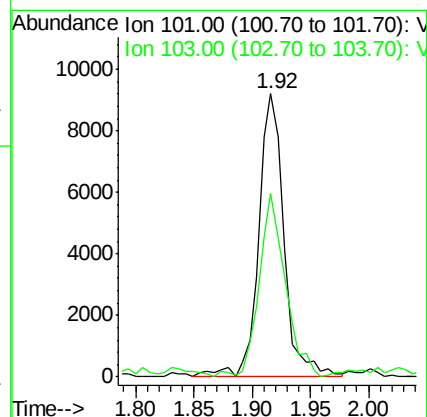
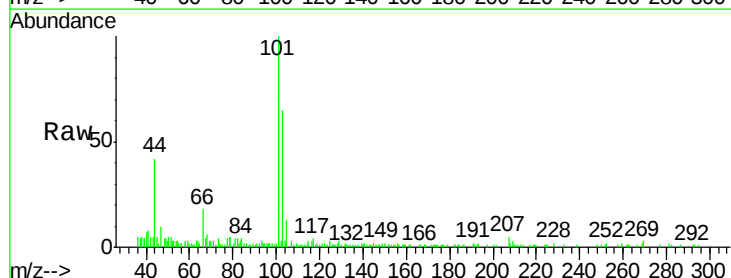
Acq: 21 Jul 2020 17:58

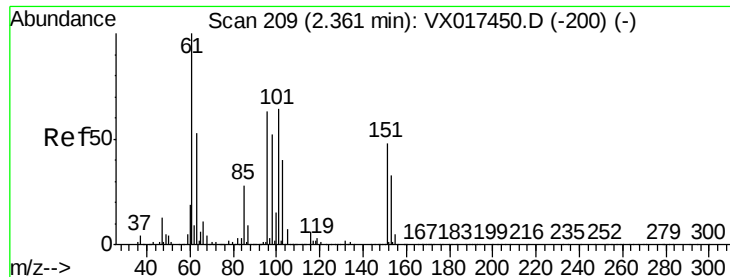
Tgt Ion: 101 Resp: 14003

Ion Ratio Lower Upper

101 100

103 67.1 51.4 77.2





#10

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

Concen: 0.323 ug/L

RT: 2.37 min Scan# 210

Delta R.T. 0.01 min

Lab File: VX017461.D

Acq: 21 Jul 2020 17:58

Instrument :

MSVOA_X

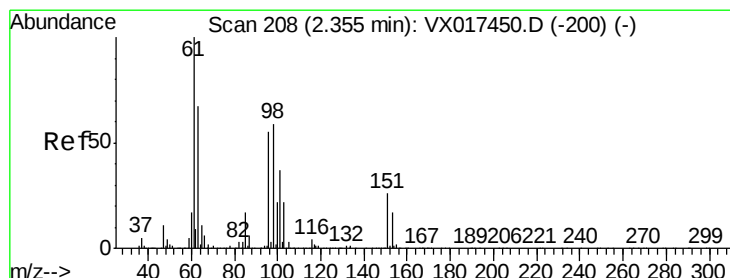
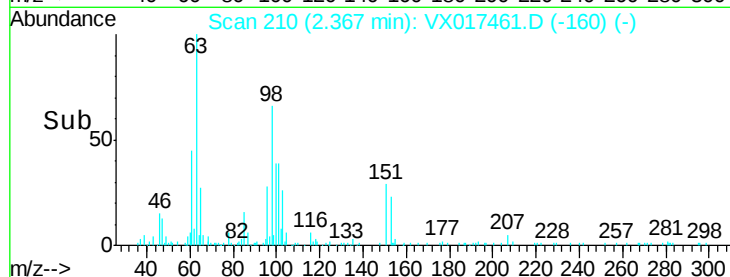
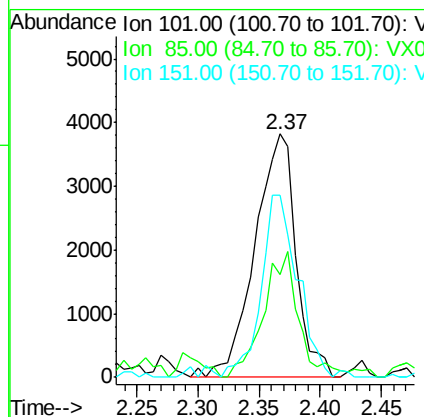
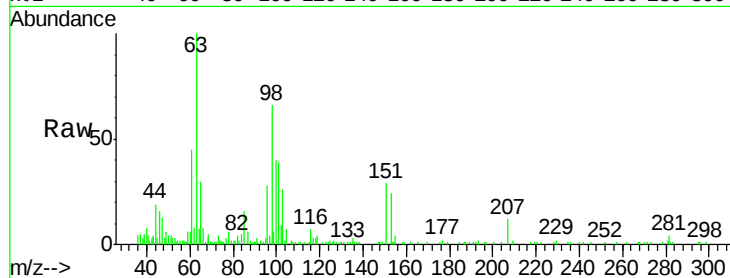
ClientSampled :

MDL07

Tot Ion:	101	Resp:	8922
Ion Ratio	Lower	Upper	
101	100		
85	44.4	35.3	52.9
151	67.1	62.3	93.5

Manual Integrations
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#12

1,1-Dichloroethene

Concen: 0.363 ug/L

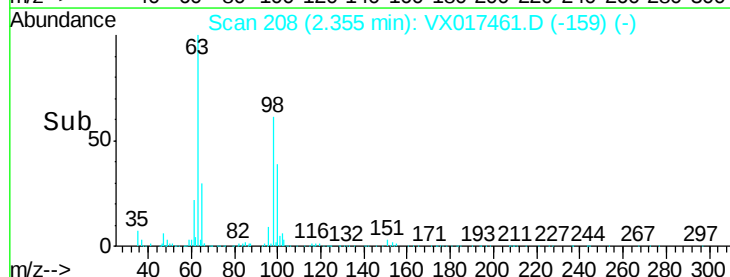
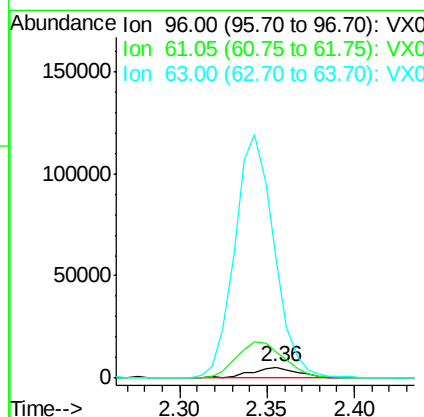
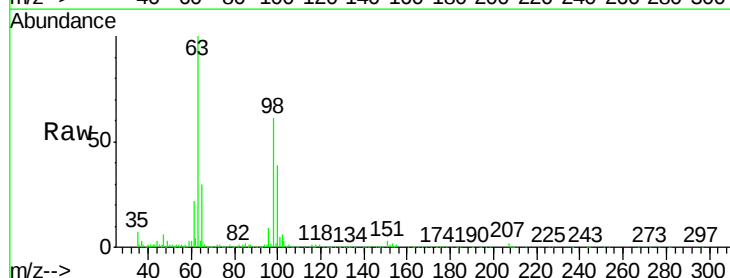
RT: 2.36 min Scan# 208

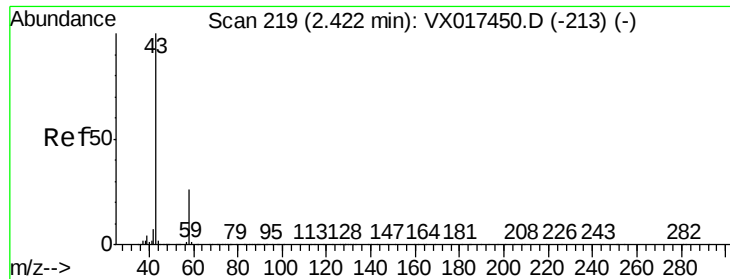
Delta R.T. 0.00 min

Lab File: VX017461.D

Acq: 21 Jul 2020 17:58

Tgt Ion:	96	Resp:	9324
Ion Ratio	Lower	Upper	
96	100		
61	234.5	126.5	234.9
63	1079.4	85.6	159.0#





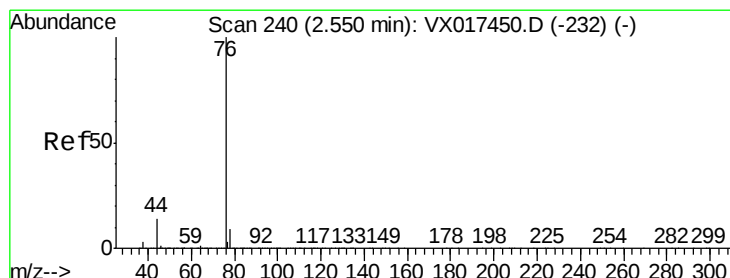
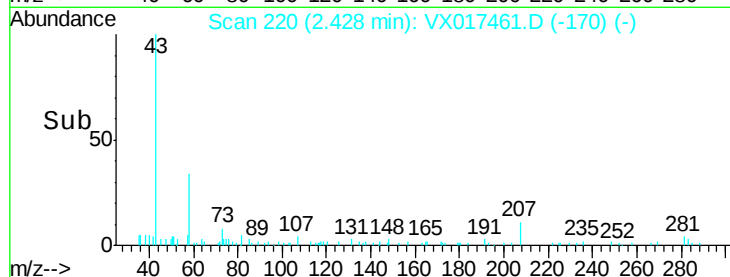
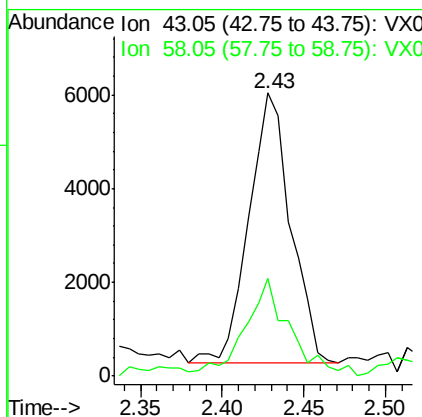
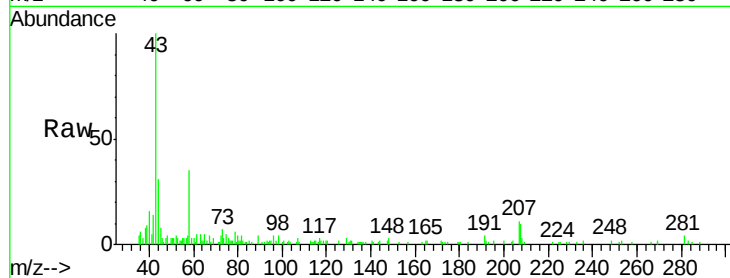
#13
Acetone
Concen: 2.422 ug/L
RT: 2.43 min Scan# 220
Delta R.T. 0.01 min
Lab File: VX017461.D
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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
43	100		
58	38.9	0.0	58.6

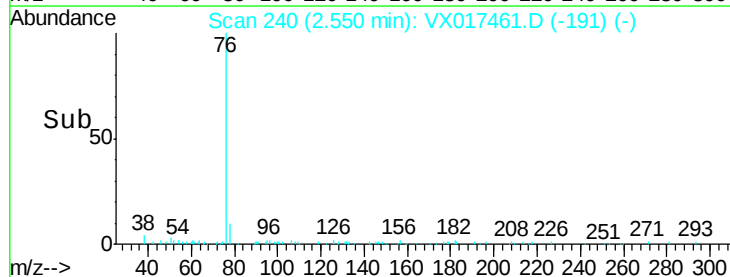
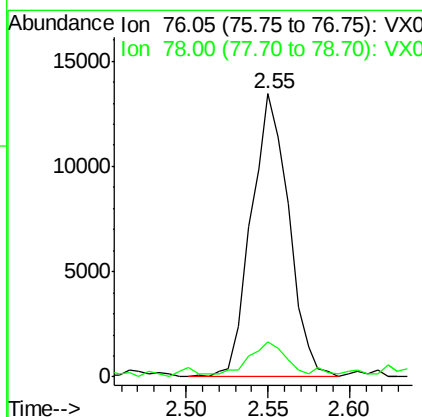
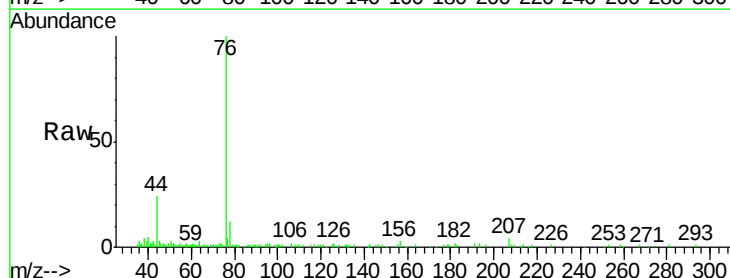
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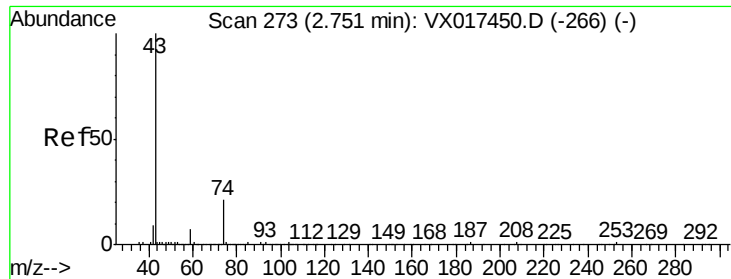
MMDadoda
7/22/2020 9:11:22 AM



#14
Carbon disulfide
Concen: 0.246 ug/L
RT: 2.55 min Scan# 240
Delta R.T. -0.00 min
Lab File: VX017461.D
Acq: 21 Jul 2020 17:58

Tgt Ion	Ratio	Lower	Upper
76	100		
78	12.2	7.3	10.9#





#15

Methyl Acetate

Concen: 0.344 ug/L

RT: 2.75 min Scan# 273

Delta R.T. -0.00 min

Lab File: VX017461.D

Acq: 21 Jul 2020 17:58

Tot Ion: 43 Resp: 4267

Ion Ratio Lower Upper

43 100

74 19.5 17.6 26.4

Instrument :

MSVOA_X

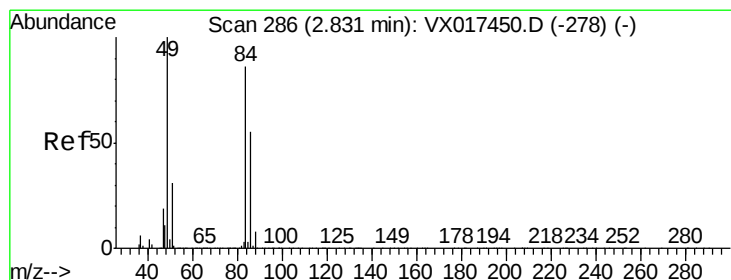
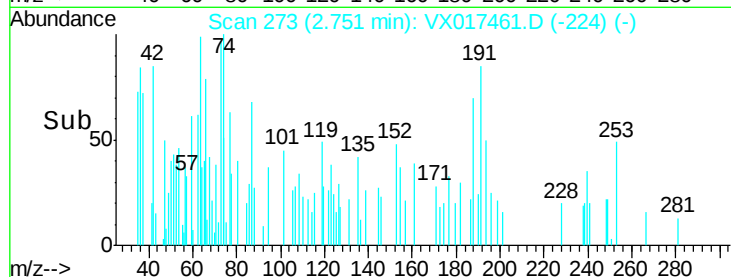
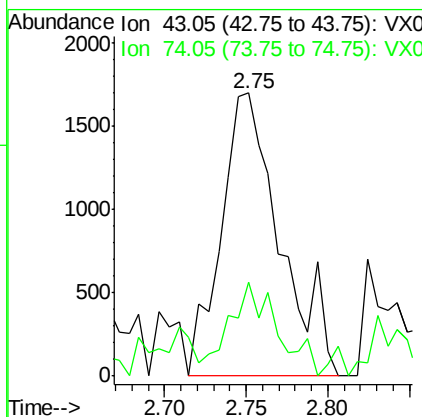
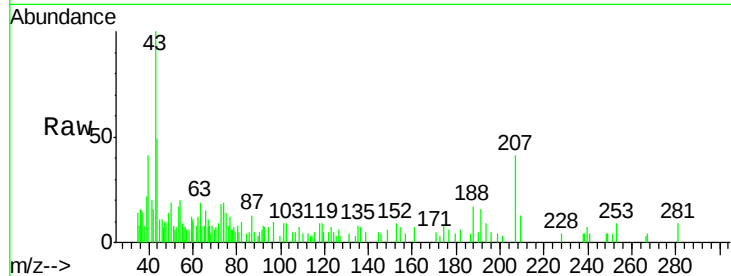
ClientSampled :

MDL07

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#16

Methylene chloride

Concen: 0.381 ug/L

RT: 2.84 min Scan# 287

Delta R.T. 0.01 min

Lab File: VX017461.D

Acq: 21 Jul 2020 17:58

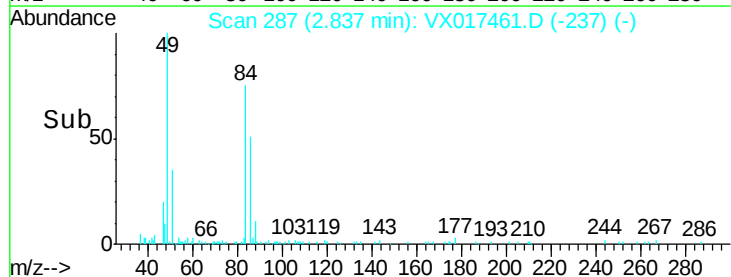
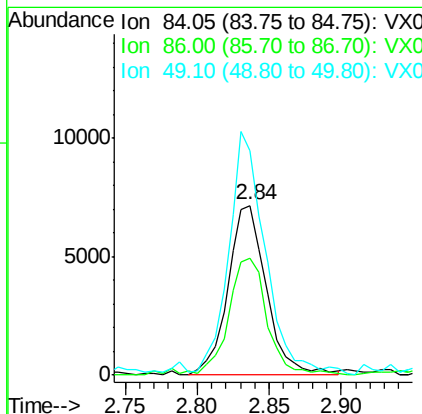
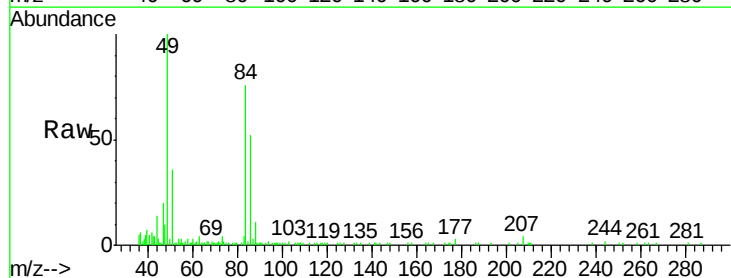
Tgt Ion: 84 Resp: 13440

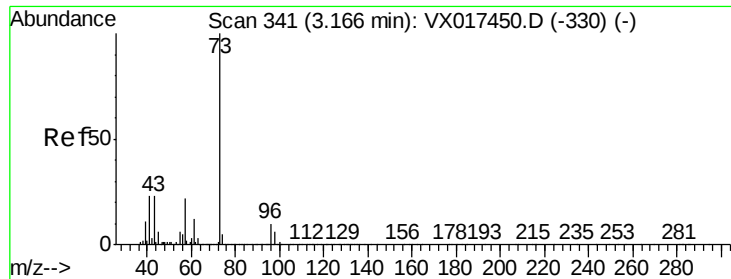
Ion Ratio Lower Upper

84 100

86 69.0 44.8 83.2

49 132.0 81.0 150.4





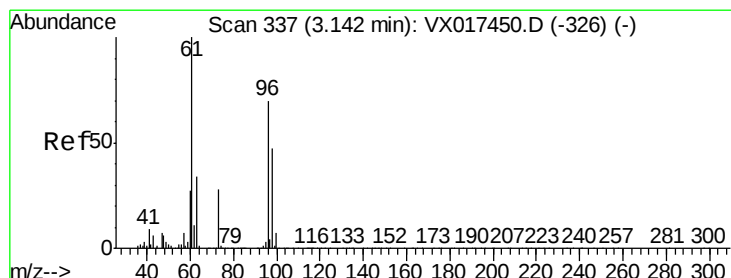
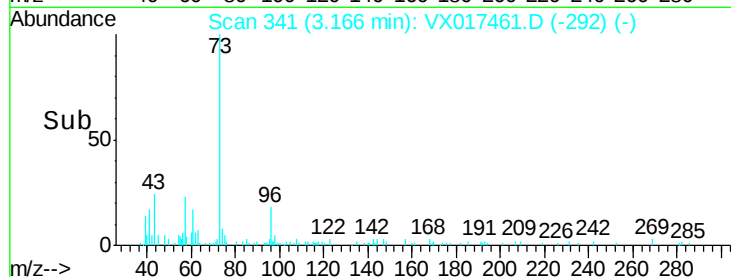
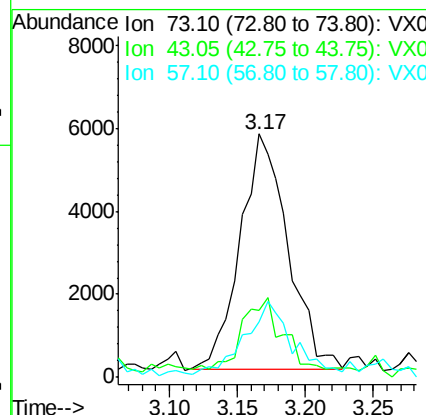
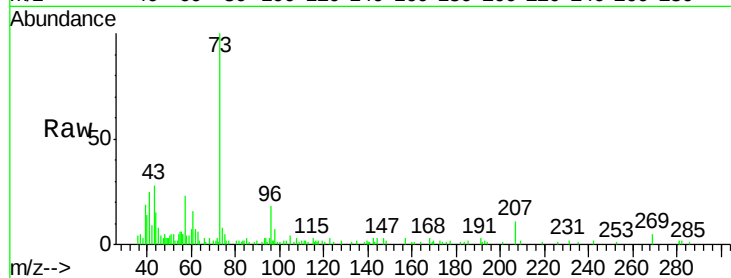
#17
Methvl tert-butvl Ether
Concen: 0.228 ug/L
RT: 3.17 min Scan# 341
Delta R.T. -0.00 min
Lab File: VX017461.D
Acq: 21 Jul 2020 17:58

Instrument :
MSVOA_X
ClientSampleId :
MDL07

Tot Ion	Ratio	Lower	Upper
73	100		
43	34.8	17.8	26.6#
57	30.7	17.8	26.8#

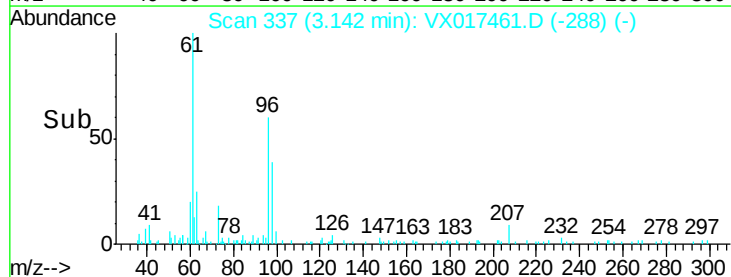
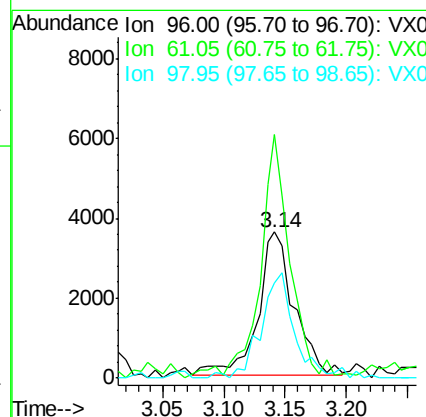
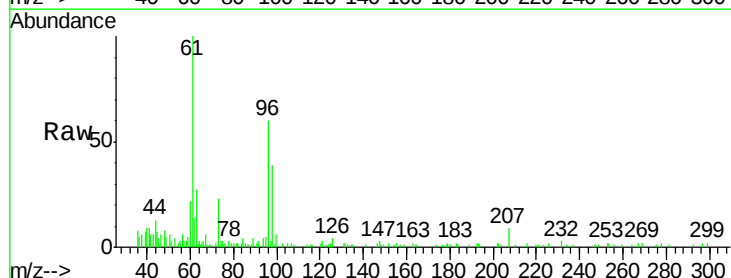
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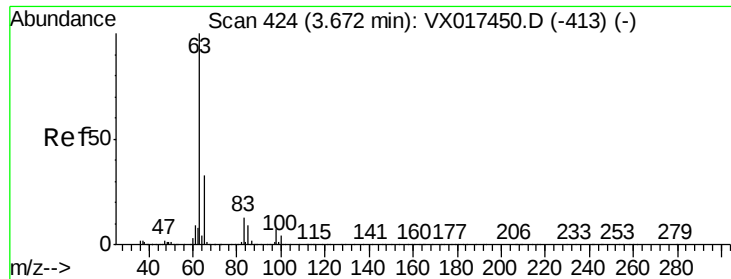
MMDadoda
7/22/2020 9:11:22 AM



#18
trans-1,2-Dichloroethene
Concen: 0.273 ug/L
RT: 3.14 min Scan# 337
Delta R.T. -0.00 min
Lab File: VX017461.D
Acq: 21 Jul 2020 17:58

Tgt Ion	Ratio	Lower	Upper
96	100		
61	166.7	99.8	185.4
98	65.5	46.4	86.2





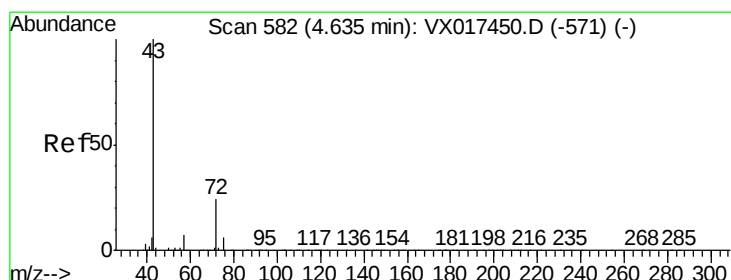
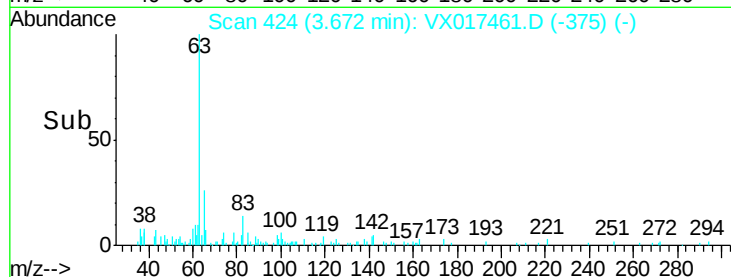
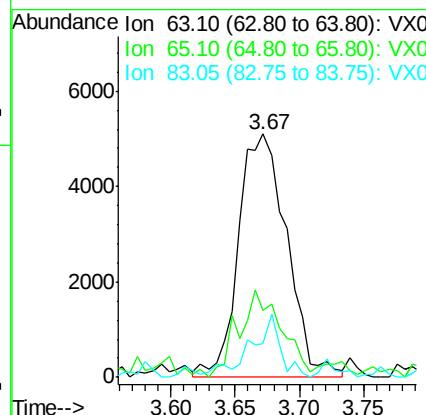
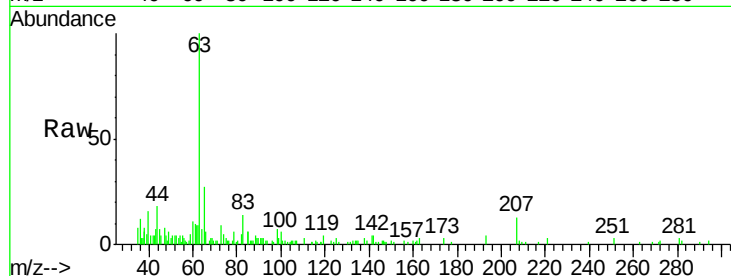
#19
 1,1-Dichloroethane
 Concen: 0.276 ug/L
 RT: 3.67 min Scan# 424
 Delta R.T. -0.00 min
 Lab File: VX017461.D
 Acq: 21 Jul 2020 17:58

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL07

Tot Ion:	63	Resp:	13285
Ion Ratio	Lower	Upper	
63	100		
65	27.4	23.2	43.2
83	13.7	9.4	17.4

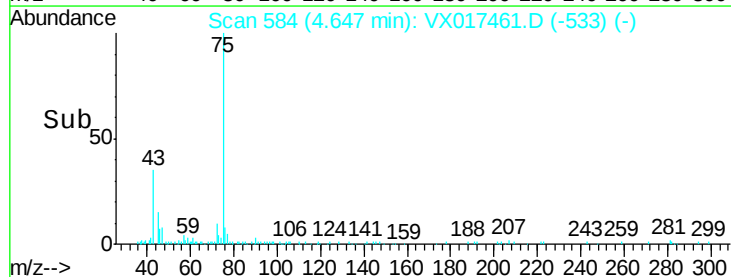
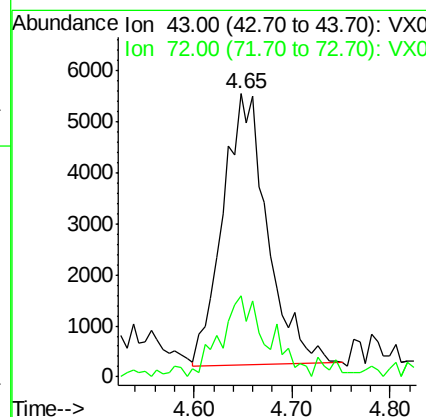
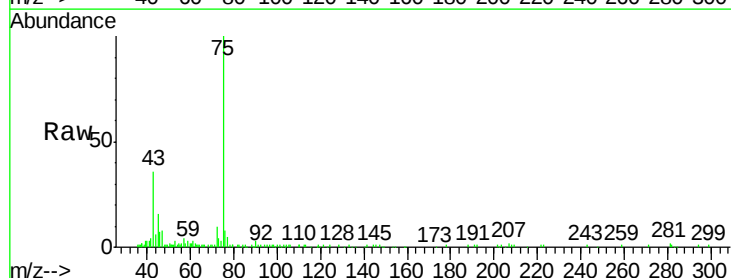
Manual Integrations
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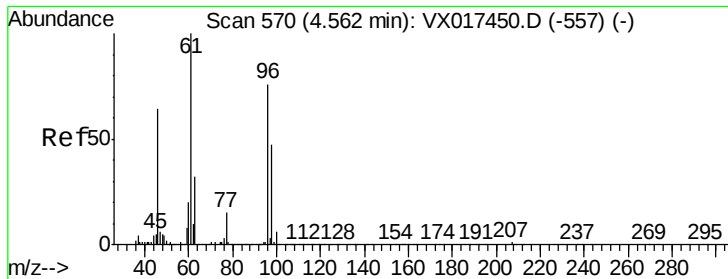
MMDadoda
 7/22/2020 9:11:22 AM



#21
 2-Butanone
 Concen: 2.475 ug/L
 RT: 4.65 min Scan# 584
 Delta R.T. 0.01 min
 Lab File: VX017461.D
 Acq: 21 Jul 2020 17:58

Tgt Ion:	43	Resp:	16778
Ion Ratio	Lower	Upper	
43	100		
72	25.1	12.1	36.3





#22

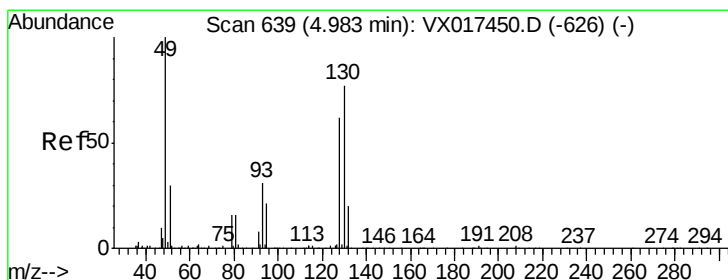
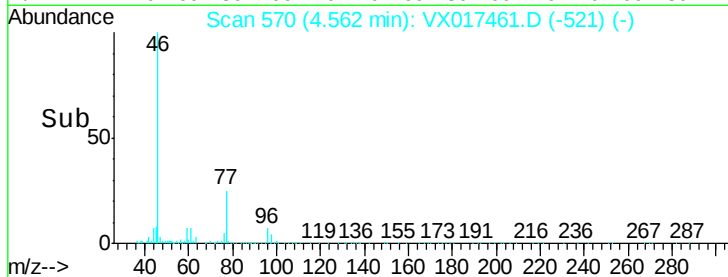
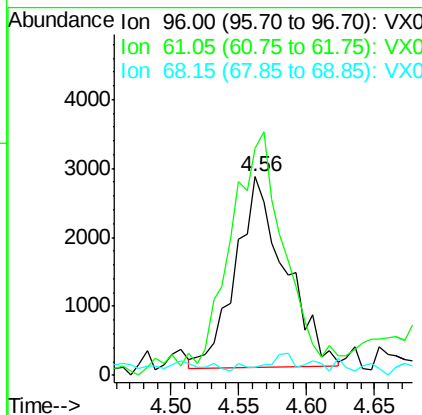
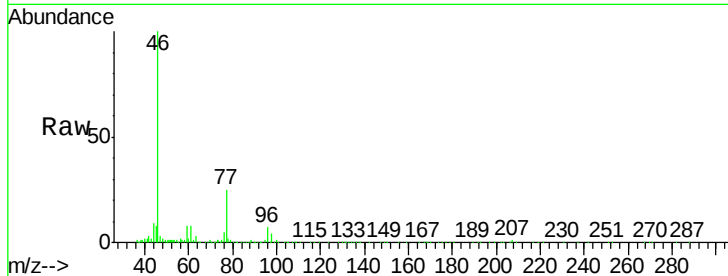
cis-1,2-Dichloroethene
Concen: 0.260 ug/L
RT: 4.56 min Scan# 570
Delta R.T. -0.00 min
Lab File: VX017461.D
Acq: 21 Jul 2020 17:58

Instrument :
MSVOA_X
ClientSampleId :
MDL07

Tot Ion	Ratio	Lower	Upper
96	100		
61	114.4	91.6	170.2
68	3.8	0.0	0.0

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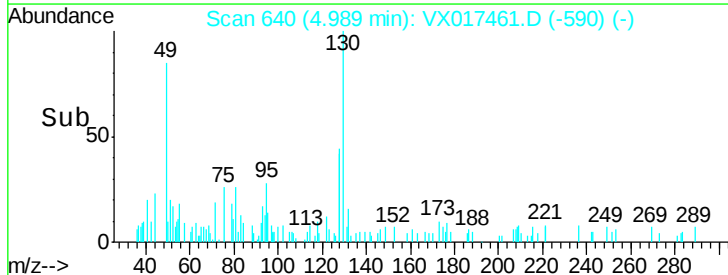
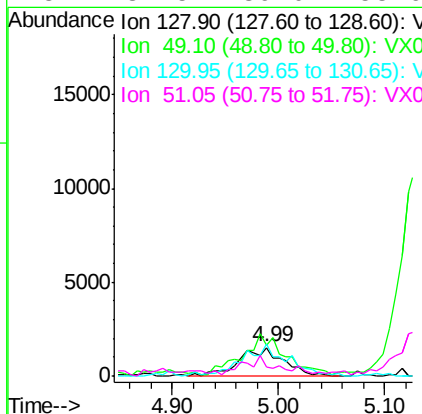
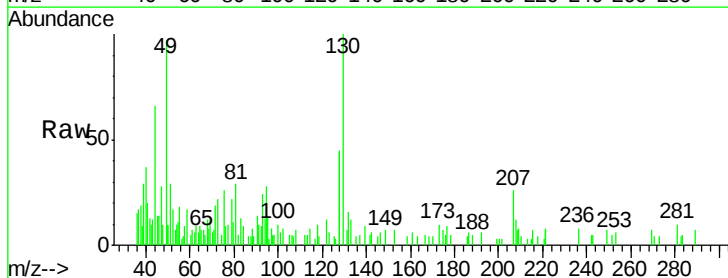
MMDadoda
7/22/2020 9:11:22 AM

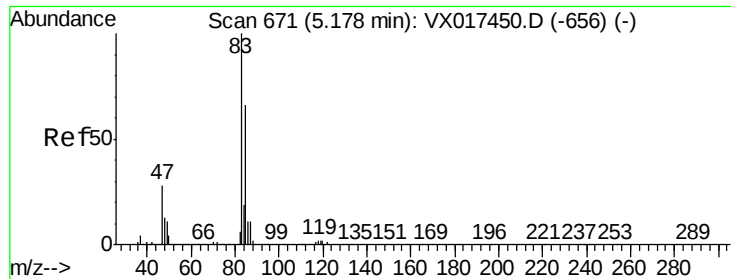


#23

Bromochloromethane
Concen: 0.338 ug/L
RT: 4.99 min Scan# 640
Delta R.T. 0.01 min
Lab File: VX017461.D
Acq: 21 Jul 2020 17:58

Tgt Ion	Ratio	Lower	Upper
128	100		
49	118.9	113.3	210.3
130	112.0	87.3	162.1
51	32.5	39.0	58.6





#25

Chloroform

Concen: 0.370 ug/L

RT: 5.18 min Scan# 671

Delta R.T. -0.00 min

Lab File: VX017461.D

Acq: 21 Jul 2020 17:58

Instrument :

MSVOA_X

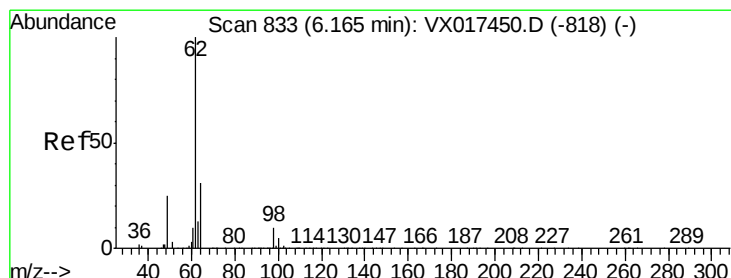
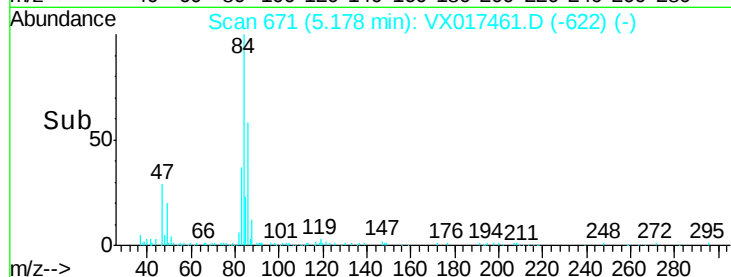
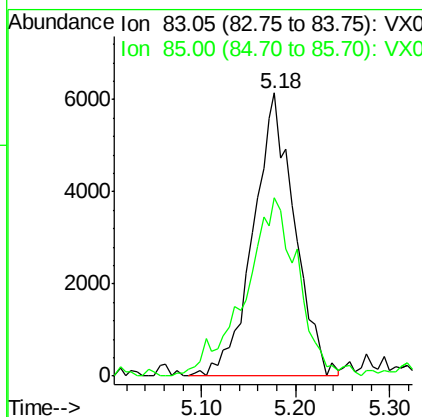
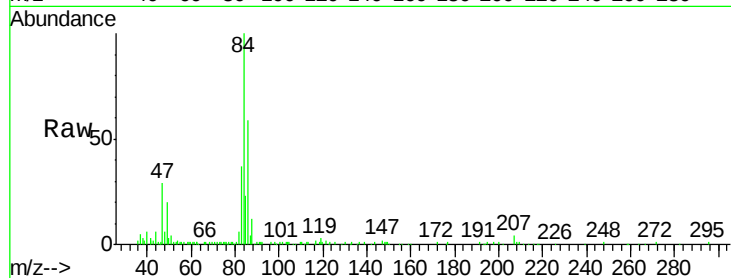
ClientSampleId :

MDL07

Tot Ion	83	Resp	18731
Ion Ratio	100	Lower	Upper
85	62.9	46.2	85.8

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



#27

1,2-Dichloroethane

Concen: 0.292 ug/L

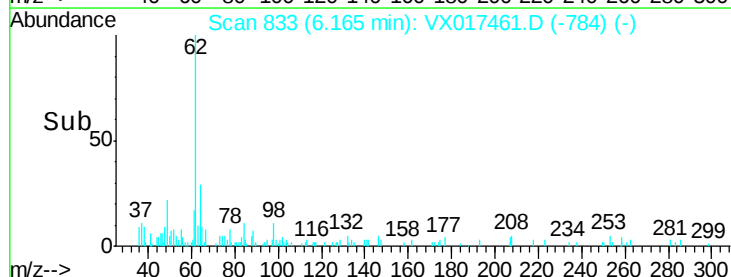
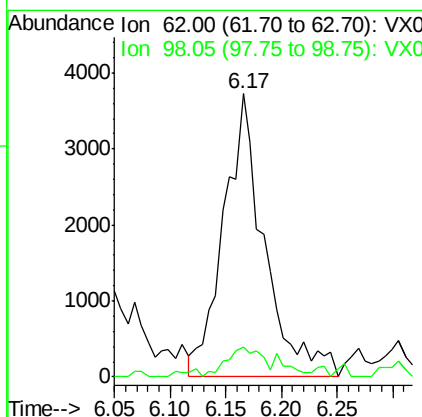
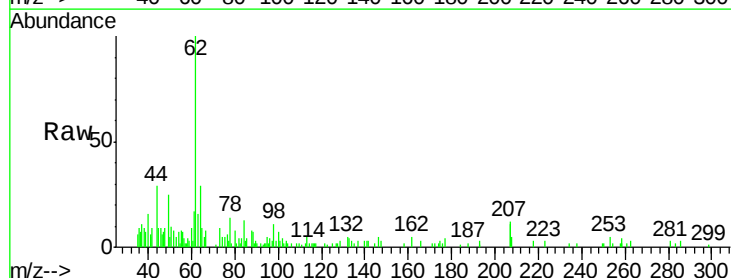
RT: 6.17 min Scan# 833

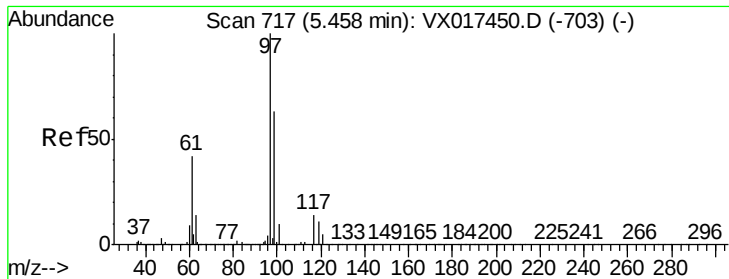
Delta R.T. -0.00 min

Lab File: VX017461.D

Acq: 21 Jul 2020 17:58

Tgt Ion	62	Resp	9486
Ion Ratio	100	Lower	Upper
98	10.7	7.7	11.5





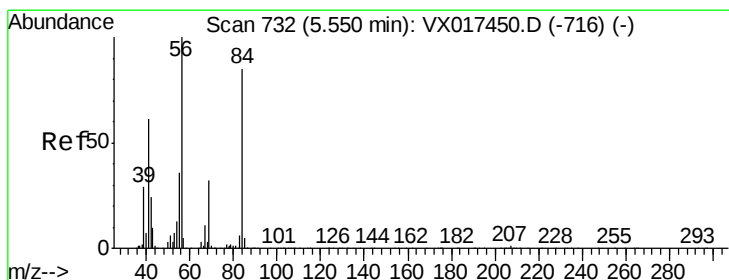
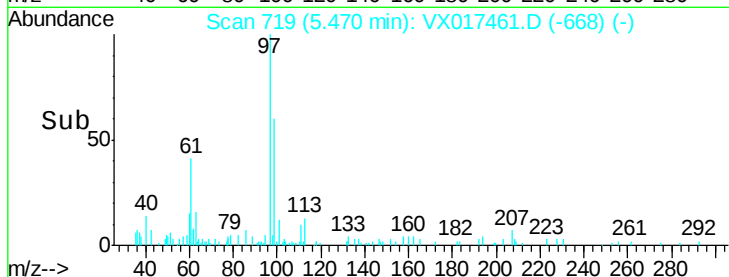
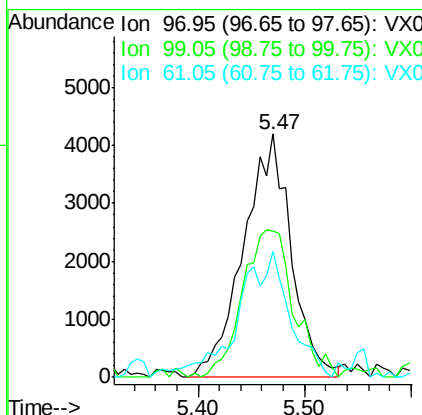
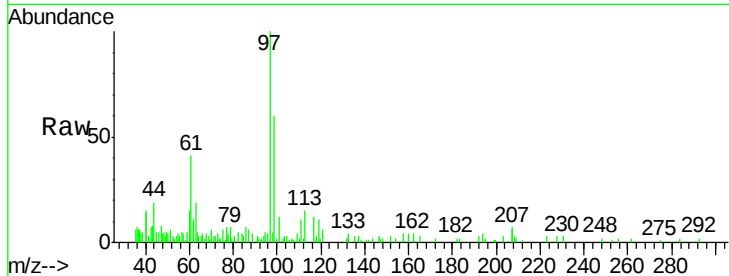
#29
 1,1,1-Trichloroethane
 Concen: 0.271 ug/L
 RT: 5.47 min Scan# 719
 Delta R.T. 0.01 min
 Lab File: VX017461.D
 Acq: 21 Jul 2020 17:58

Instrument :
 MSVOA_X
 ClientSampled :
 MDL07

Tot Ion	Ratio	Lower	Upper
97	100		
99	65.3	53.0	79.4
61	27.5	35.2	52.8#

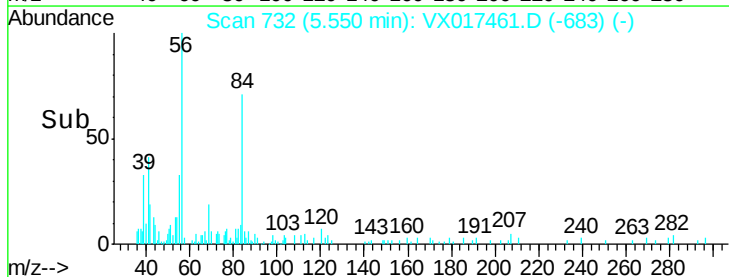
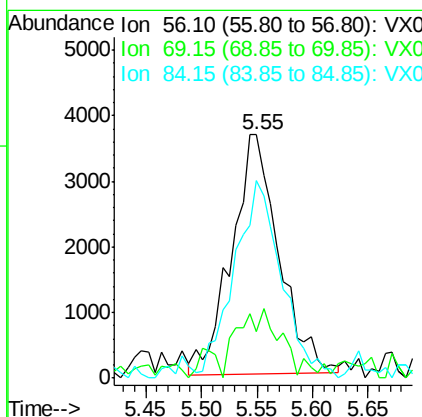
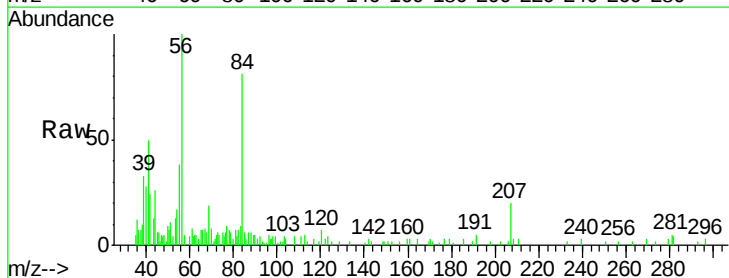
Manual Integrations
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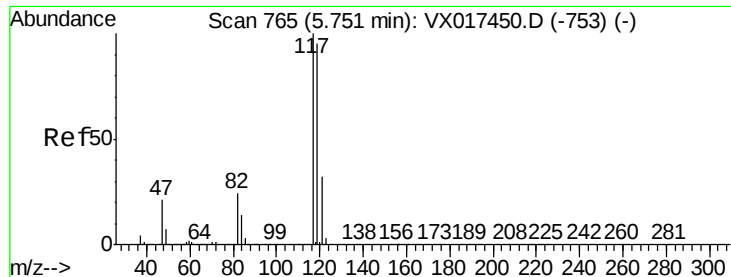
MMDadoda
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#30
 Cyclohexane
 Concen: 0.273 ug/L
 RT: 5.55 min Scan# 732
 Delta R.T. -0.00 min
 Lab File: VX017461.D
 Acq: 21 Jul 2020 17:58

Tgt Ion	Ratio	Lower	Upper
56	100		
69	13.1	25.4	38.2#
84	82.9	69.3	103.9





#31

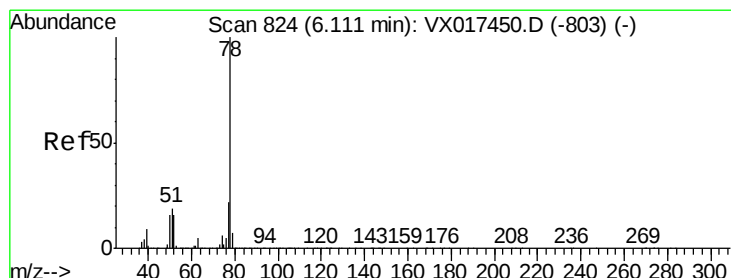
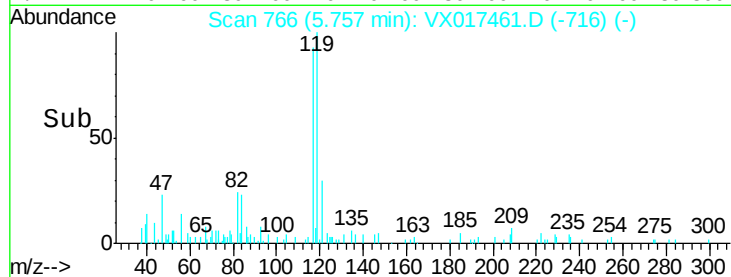
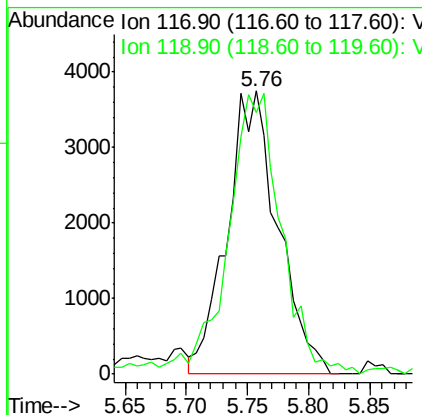
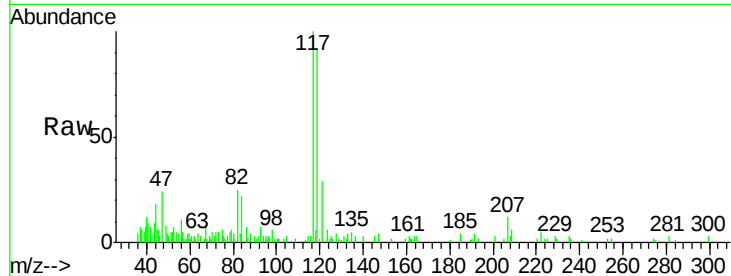
Carbon tetrachloride
Concen: 0.247 ug/L
RT: 5.76 min Scan# 766
Delta R.T. 0.01 min
Lab File: VX017461.D
Acq: 21 Jul 2020 17:58

Instrument :
MSVOA_X
ClientSampleId :
MDL07

Tot Ion	Ion	Ratio	Lower	Upper
117	100			
119	104.1	78.5	117.7	

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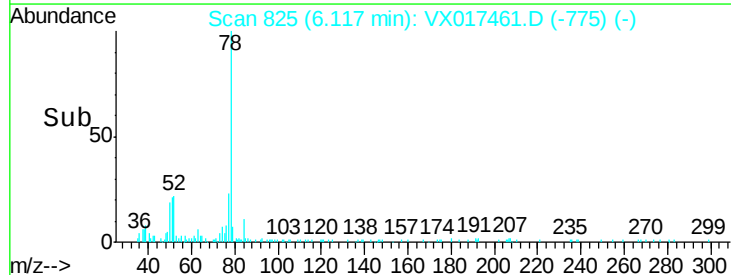
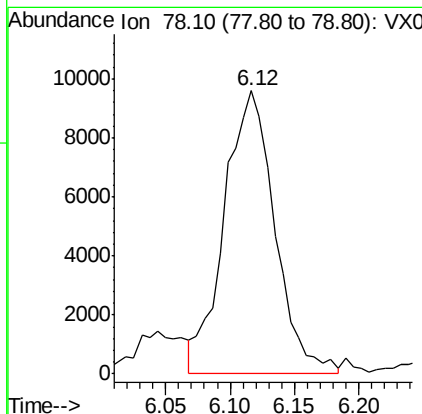
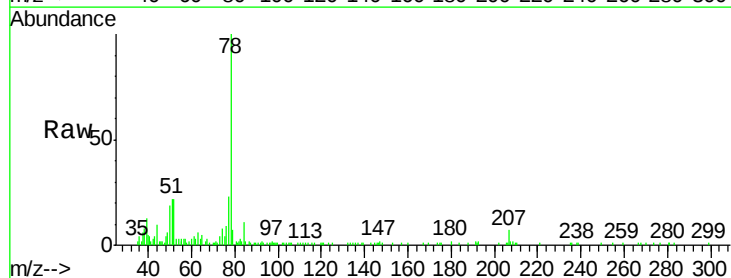
MMDadoda
7/22/2020 9:11:22 AM

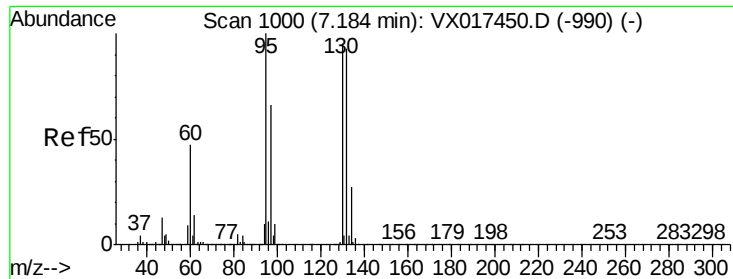


#33

Benzene
Concen: 0.247 ug/L
RT: 6.12 min Scan# 825
Delta R.T. 0.01 min
Lab File: VX017461.D
Acq: 21 Jul 2020 17:58

Tgt Ion: 78 Resp: 26236





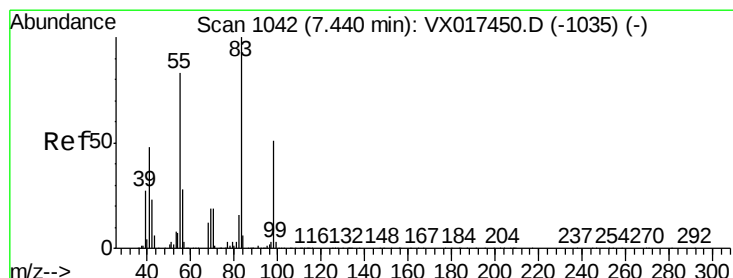
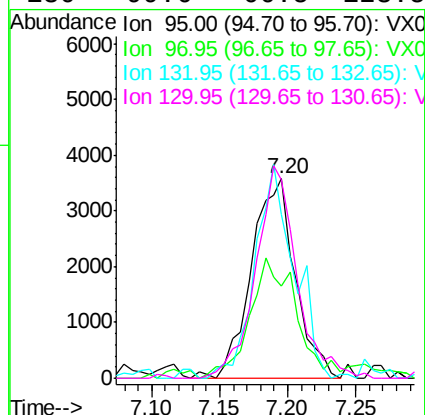
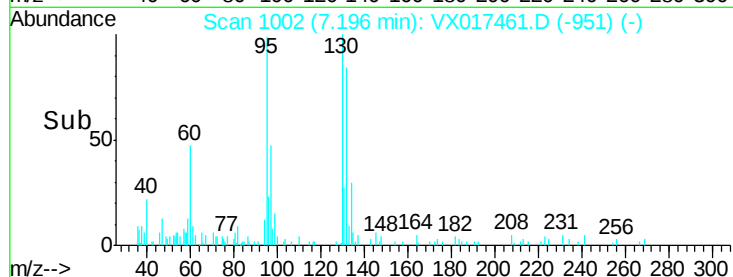
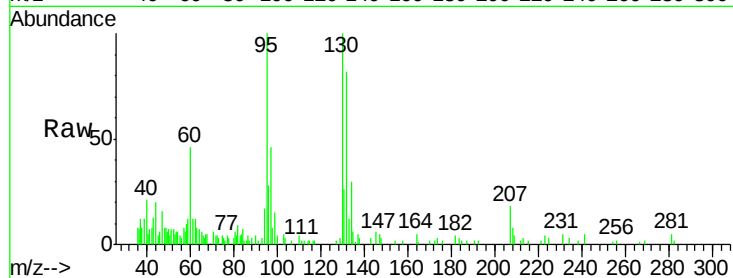
#34
 Trichloroethene
 Concen: 0.282 ug/L
 RT: 7.20 min Scan# 1002
 Delta R.T. 0.01 min
 Lab File: VX017461.D
 Acq: 21 Jul 2020 17:58

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL07

Tot Ion	95	Resp:	8084
Ion	Ratio	Lower	Upper
95	100		
97	46.2	45.9	85.3
132	82.0	65.5	121.7
130	99.6	66.5	123.5

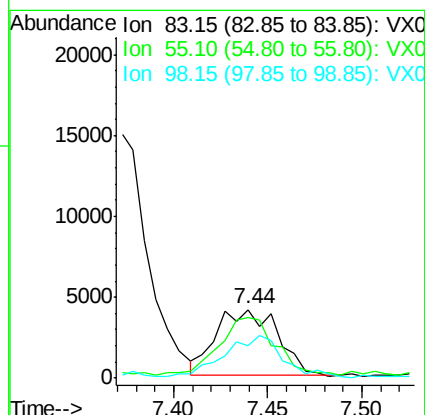
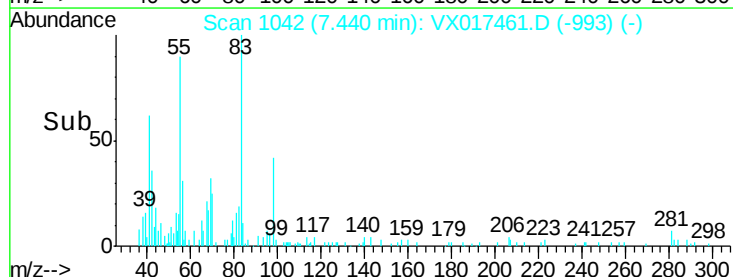
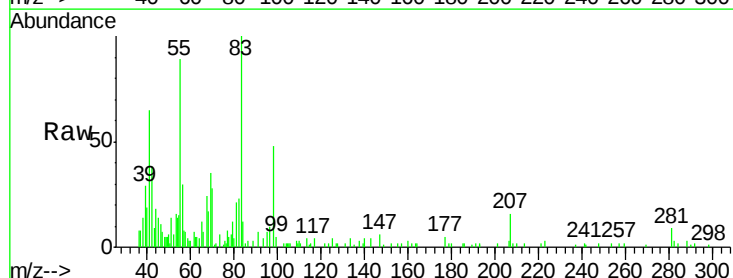
Manual Integrations
 APPROVED

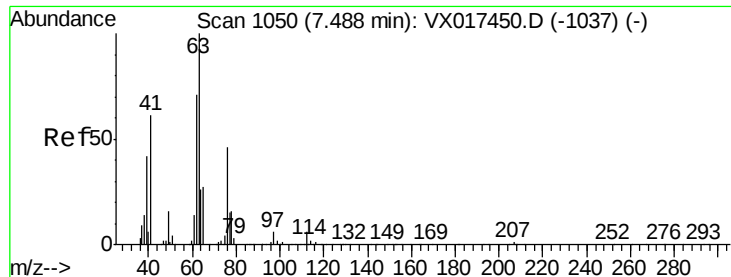
MMDadoda
 7/22/2020 9:11:22 AM



#35
 Methylcyclohexane
 Concen: 0.234 ug/L
 RT: 7.44 min Scan# 1042
 Delta R.T. 0.00 min
 Lab File: VX017461.D
 Acq: 21 Jul 2020 17:58

Tgt Ion	83	Resp:	9094
Ion	Ratio	Lower	Upper
83	100		
55	84.0	65.4	98.2
98	63.7	39.8	59.8#





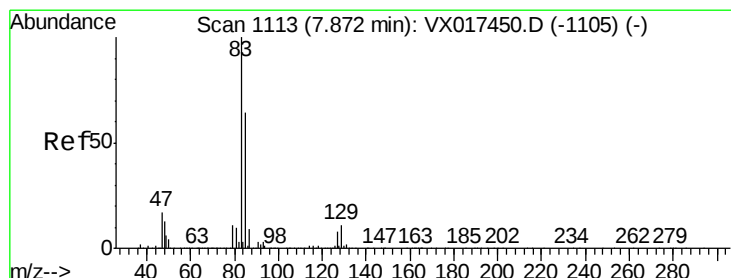
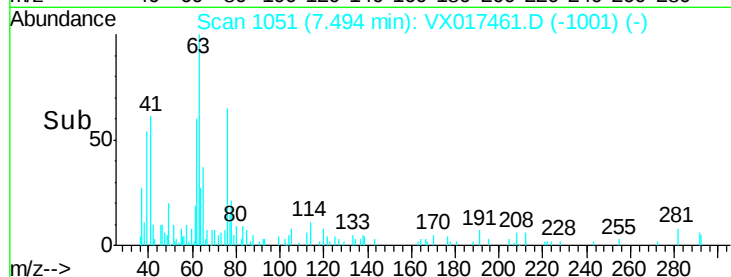
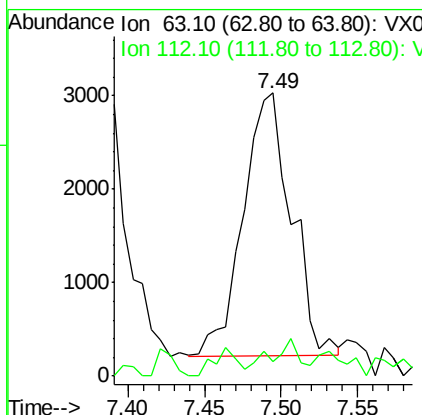
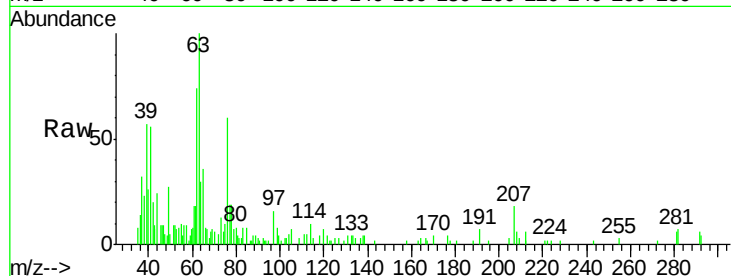
#37
 1,2-Dichloropropane
 Concen: 0.231 ug/L
 RT: 7.49 min Scan# 1051
 Delta R.T. 0.01 min
 Lab File: VX017461.D
 Acq: 21 Jul 2020 17:58

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL07

Tot Ion: 63 Resp: 6179
 Ion Ratio Lower Upper
 63 100
 112 6.9 3.8 5.8#

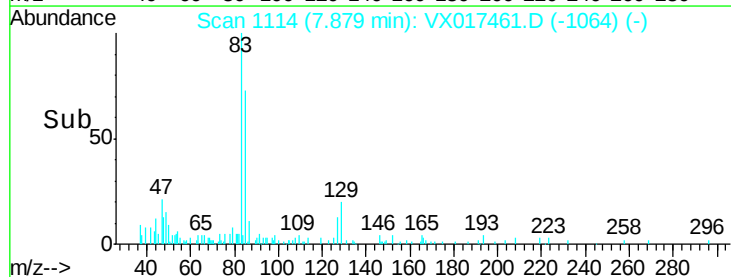
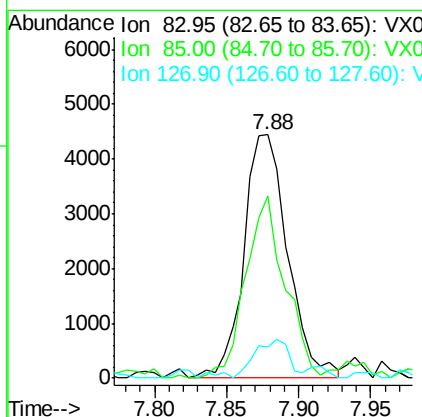
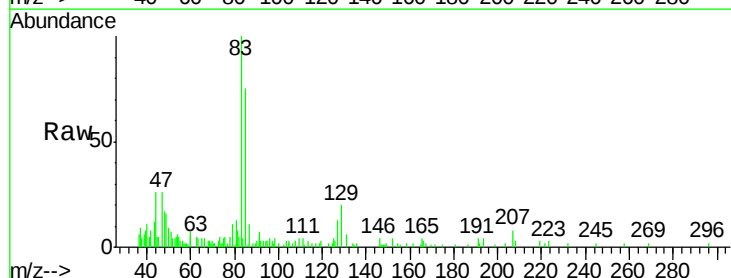
Manual Integrations
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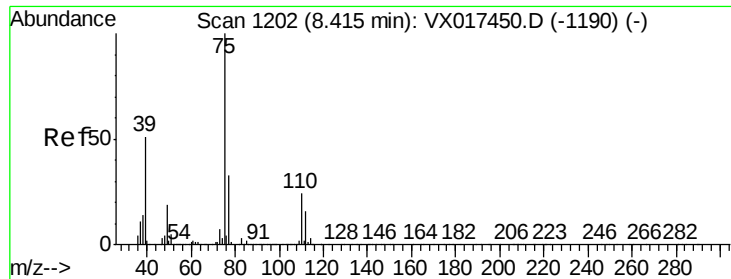
MMDadoda
 7/22/2020 9:11:22 AM



#38
 Bromodichloromethane
 Concen: 0.262 ug/L
 RT: 7.88 min Scan# 1114
 Delta R.T. 0.01 min
 Lab File: VX017461.D
 Acq: 21 Jul 2020 17:58

Tgt Ion: 83 Resp: 9374
 Ion Ratio Lower Upper
 83 100
 85 74.8 44.7 83.1
 127 12.6 6.3 9.5#





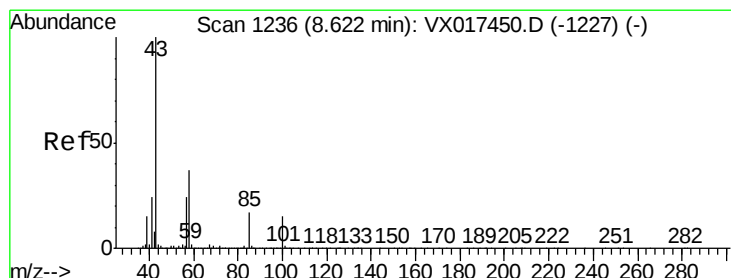
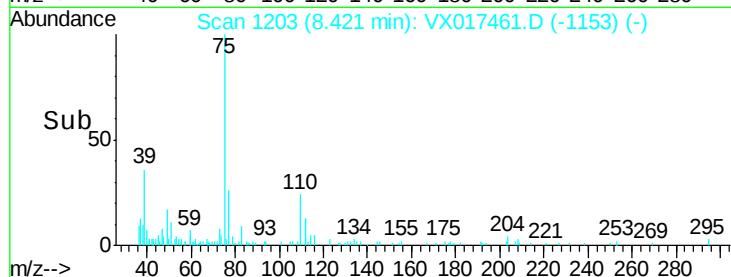
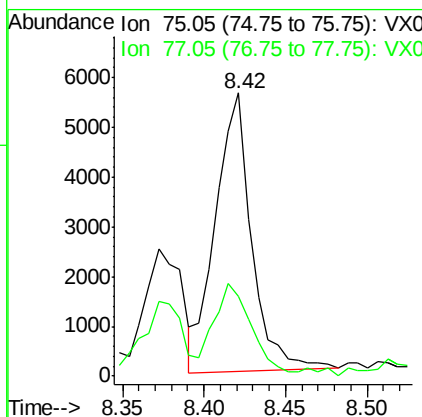
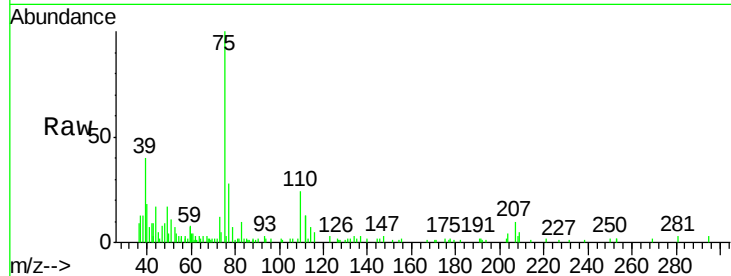
#39
 cis-1,3-Dichloropropene
 Concen: 0.223 ug/L
 RT: 8.42 min Scan# 1203
 Delta R.T. 0.01 min
 Lab File: VX017461.D
 Acq: 21 Jul 2020 17:58

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL07

Tot Ion	Ratio	Lower	Upper
75	100		
77	28.1	23.1	42.9

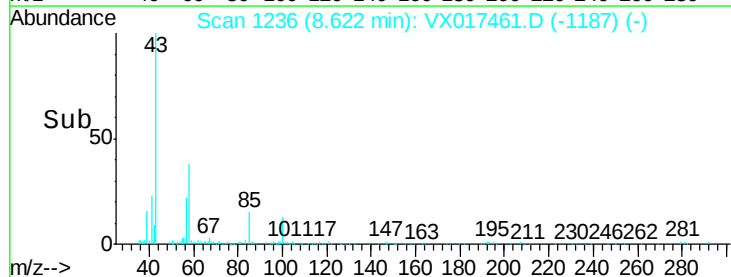
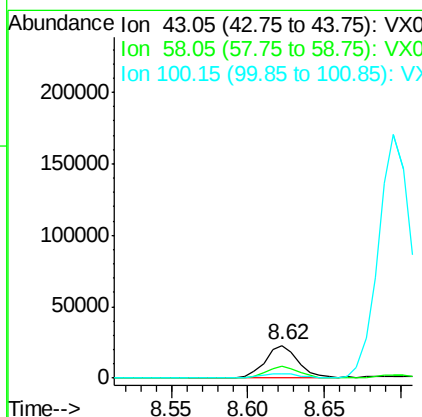
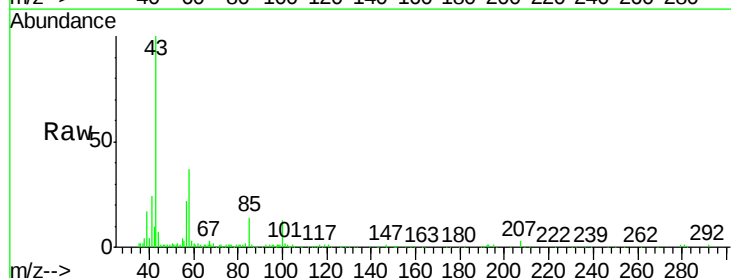
Manual Integrations
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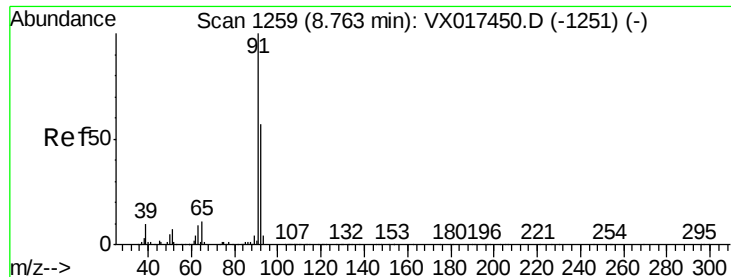
MMDadoda
 7/22/2020 9:11:22 AM



#40
 4-Methyl-2-pentanone
 Concen: 2.228 ug/L
 RT: 8.62 min Scan# 1236
 Delta R.T. 0.00 min
 Lab File: VX017461.D
 Acq: 21 Jul 2020 17:58

Tgt Ion	Ratio	Lower	Upper
43	100		
58	37.3	30.1	45.1
100	0.0	6.5	9.7#





#42

Toluene

Concen: 0.253 ug/L

RT: 8.76 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VX017461.D

Acq: 21 Jul 2020 17:58

Instrument :

MSVOA_X

ClientSampleId :

MDL07

Tot Ion: 91 Resp: 26946

Ion Ratio Lower Upper

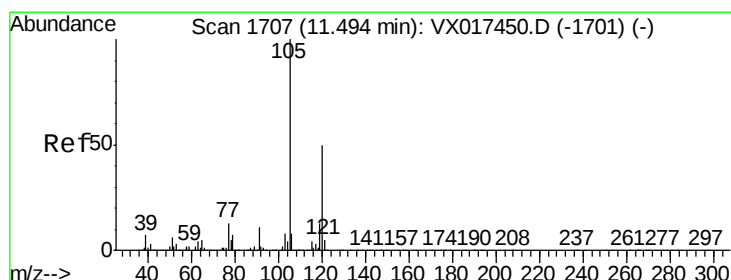
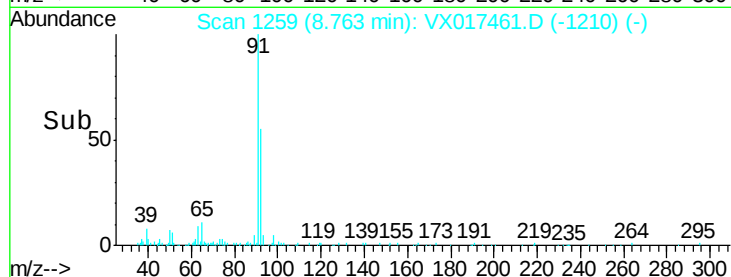
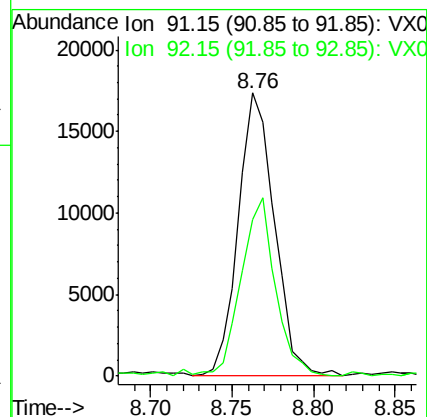
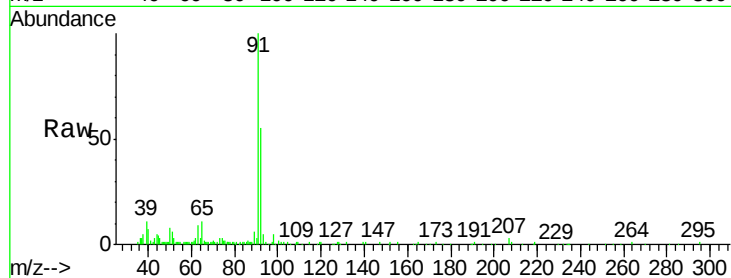
91 100

92 55.3 39.9 74.1

Manual Integrations
APPROVED

MMDadoda

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#43

1,3,5-Trimethylbenzene

Concen: 0.191 ug/L

RT: 11.49 min Scan# 1706

Delta R.T. -0.01 min

Lab File: VX017461.D

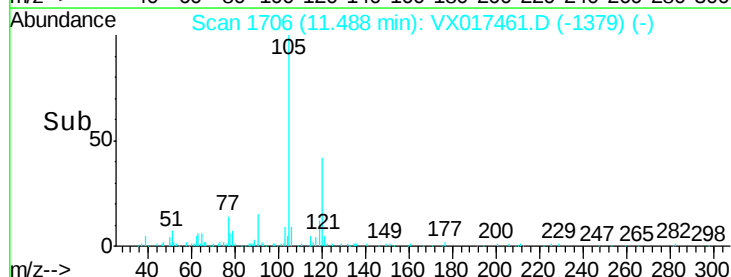
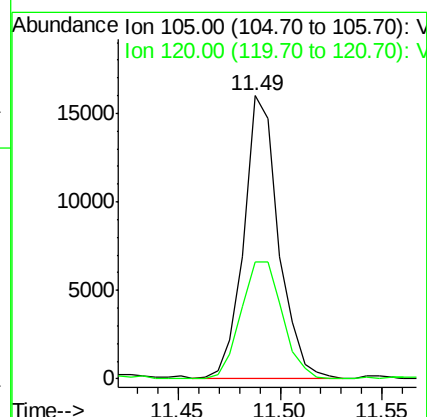
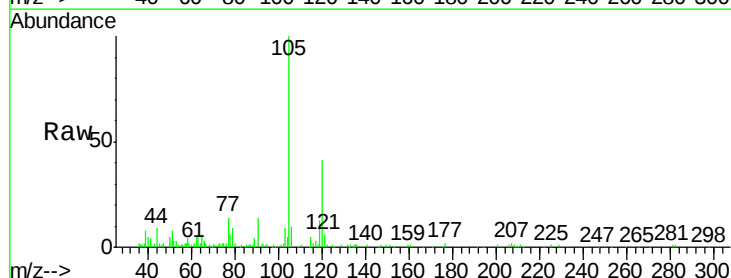
Acq: 21 Jul 2020 17:58

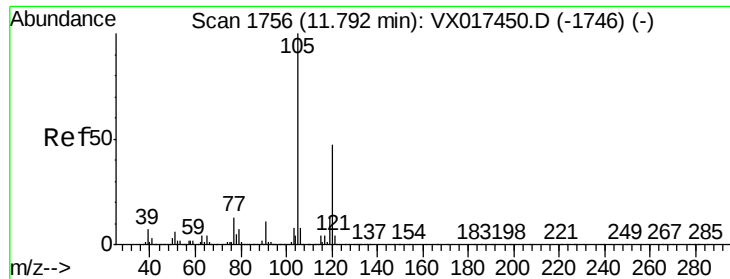
Tgt Ion: 105 Resp: 18964

Ion Ratio Lower Upper

105 100

120 49.2 38.2 57.2





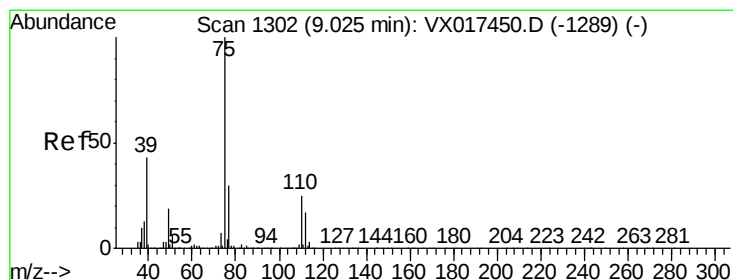
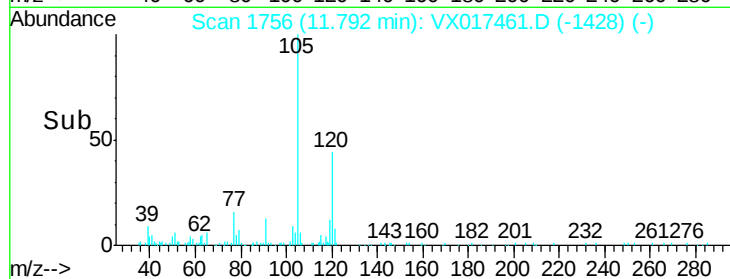
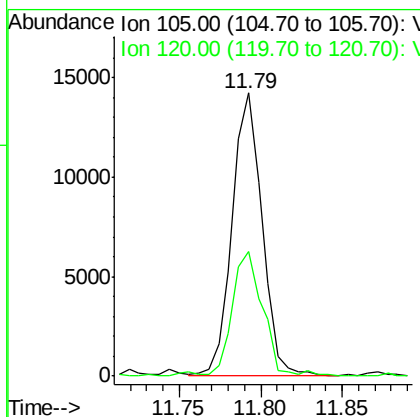
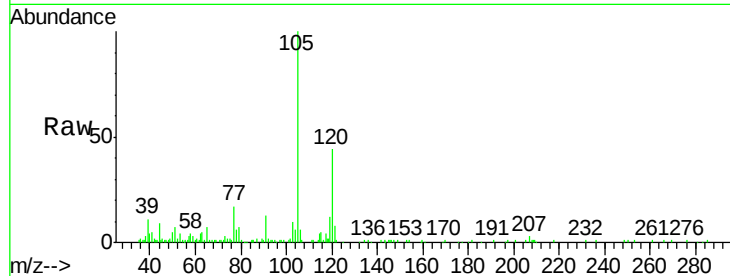
#44
 1,2,4-Trimethylbenzene
 Concen: 0.186 ug/L
 RT: 11.79 min Scan# 1756
 Delta R.T. -0.00 min
 Lab File: VX017461.D
 Acq: 21 Jul 2020 17:58

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL07

Tot Ion	Ratio	Lower	Upper
105	100		
120	44.8	36.5	54.7

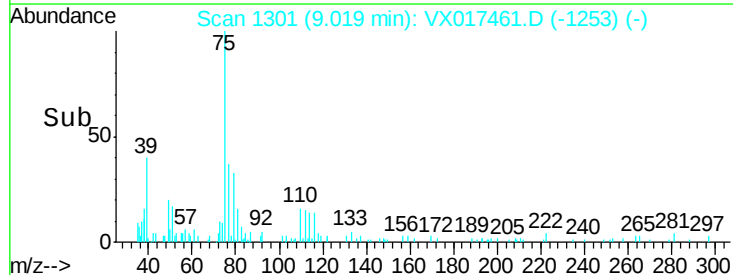
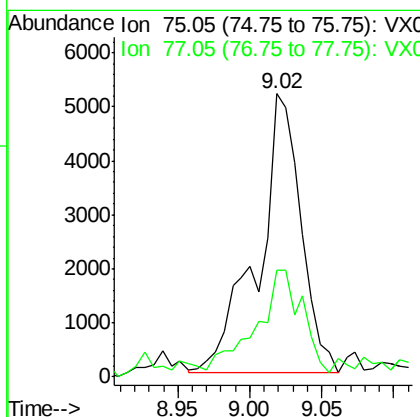
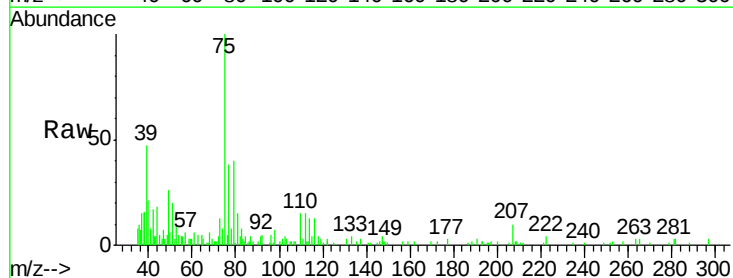
Manual Integrations
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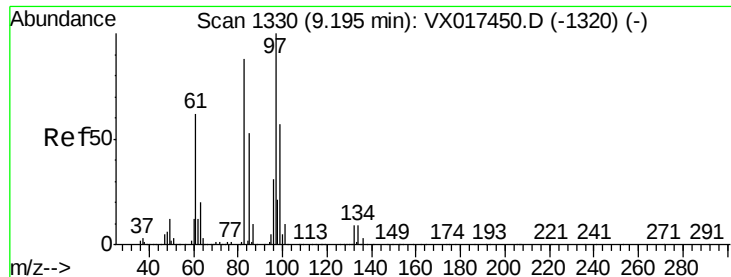
MMDadoda
 7/22/2020 9:11:22 AM



#46
 trans-1,3-Dichloropropene
 Concen: 0.327 ug/L
 RT: 9.02 min Scan# 1301
 Delta R.T. -0.01 min
 Lab File: VX017461.D
 Acq: 21 Jul 2020 17:58

Tgt Ion	Ratio	Lower	Upper
75	100		
77	37.8	21.4	39.8





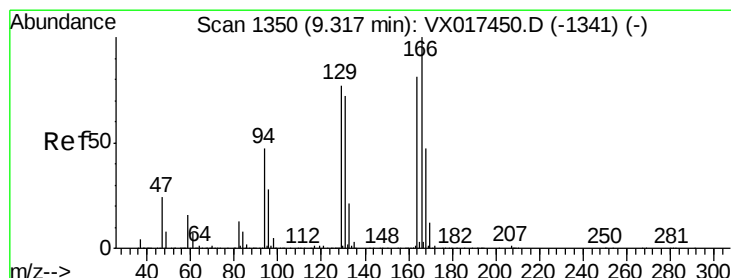
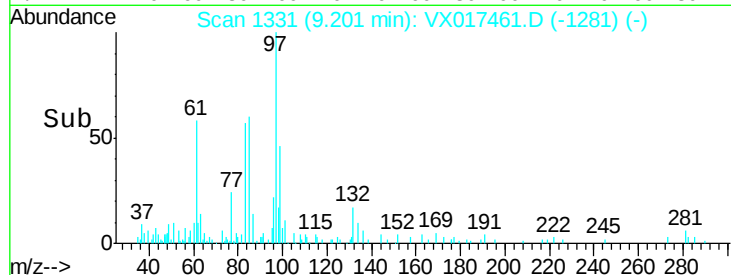
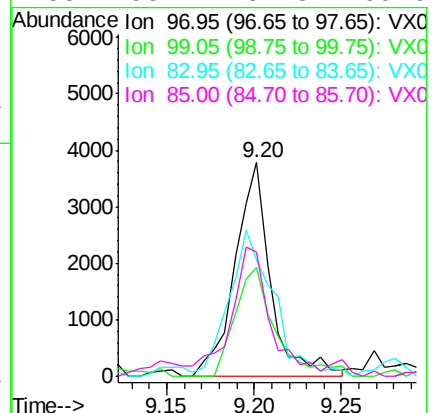
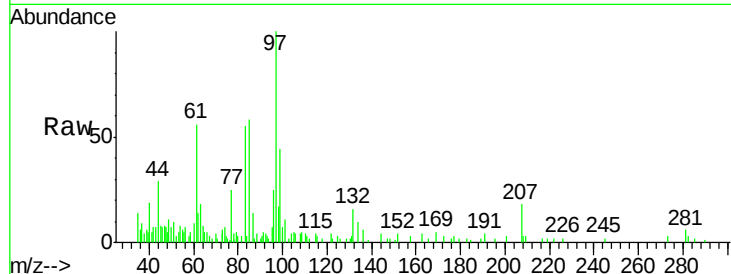
#47
1,1,2-Trichloroethane
Concen: 0.293 ug/L
RT: 9.20 min Scan# 1331
Delta R.T. 0.01 min
Lab File: VX017461.D
Acq: 21 Jul 2020 17:58

Instrument :
MSVOA_X
ClientSampleId :
MDL07

Tot Ion	Ratio	Lower	Upper
97	100		
99	51.1	40.2	74.6
83	54.8	61.6	114.4#
85	58.1	37.5	69.6

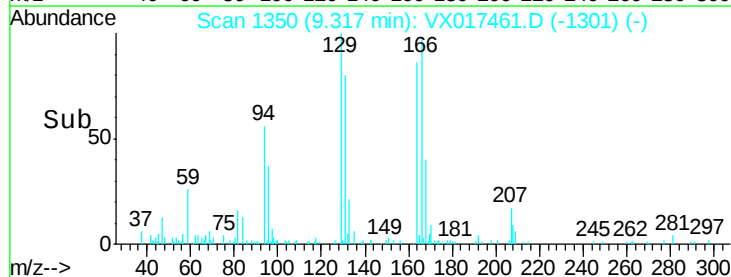
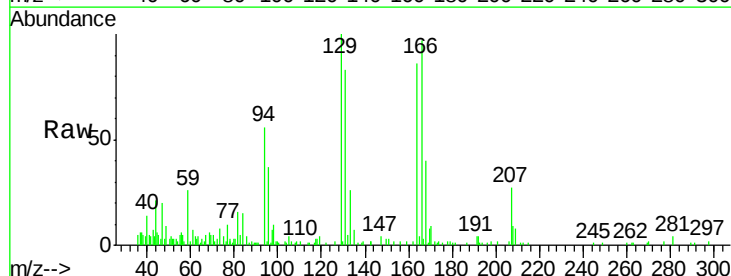
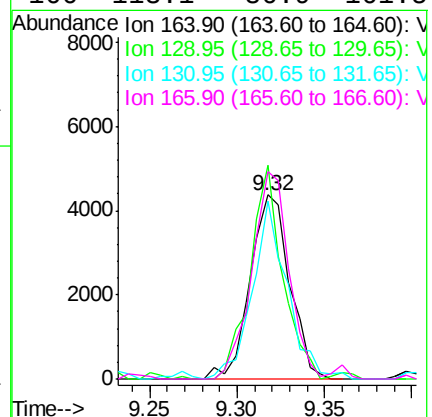
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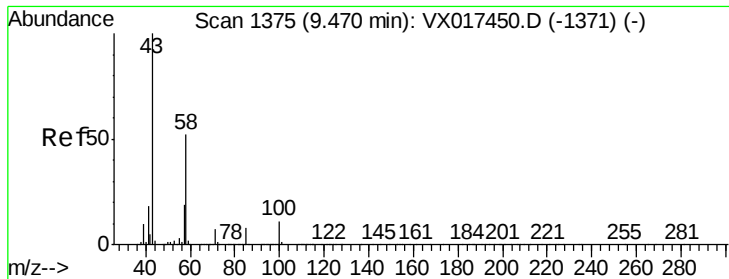
MMDadoda
7/22/2020 9:11:22 AM



#49
Tetrachloroethene
Concen: 0.294 ug/L
RT: 9.32 min Scan# 1350
Delta R.T. -0.00 min
Lab File: VX017461.D
Acq: 21 Jul 2020 17:58

Tgt Ion	Ratio	Lower	Upper
164	100		
129	116.2	66.6	123.8
131	96.6	62.6	116.2
166	113.1	86.9	161.5





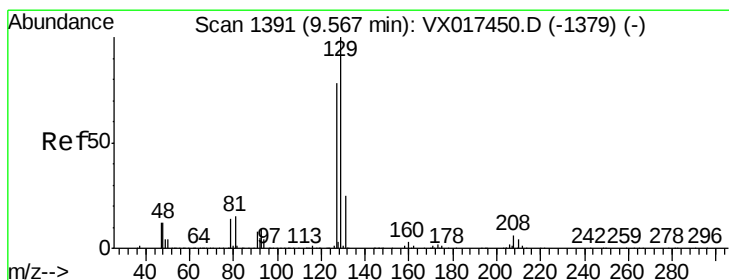
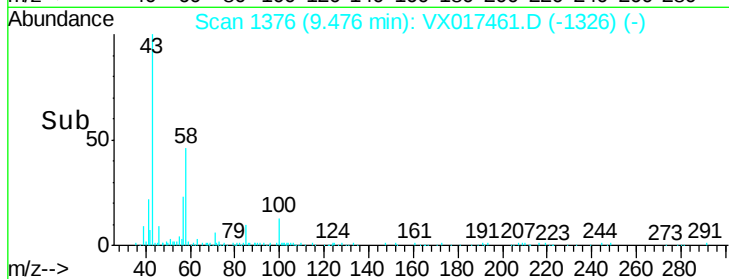
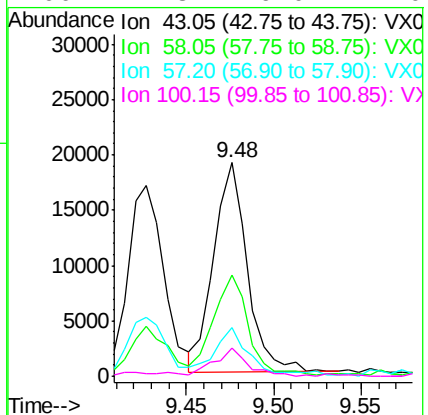
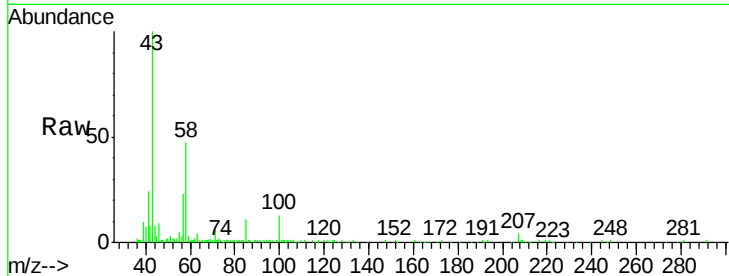
#50
2-Hexanone
Concen: 2.231 ug/L
RT: 9.48 min Scan# 1376
Delta R.T. 0.01 min
Lab File: VX017461.D
Acq: 21 Jul 2020 17:58

Instrument :
MSVOA_X
ClientSampleId :
MDL07

Tot Ion	Ratio	Lower	Upper
43	100		
58	50.0	41.4	62.0
57	23.1	26.9	40.3#
100	14.3	16.0	24.0#

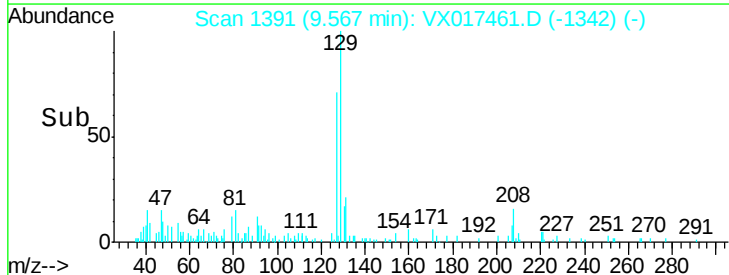
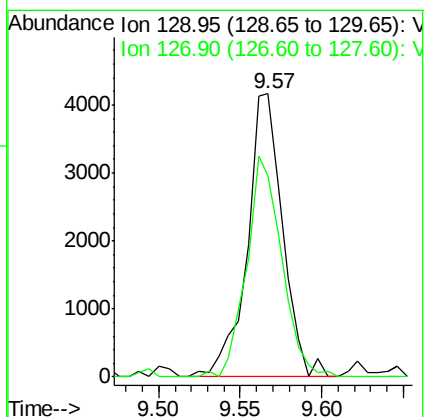
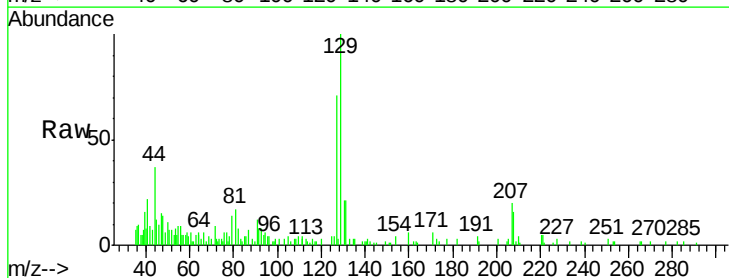
Manual Integrations
APPROVED

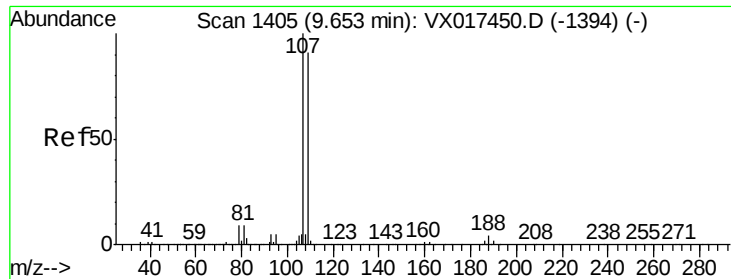
MMDadoda
7/22/2020 9:11:22 AM



#51
Dibromochloromethane
Concen: 0.251 ug/L
RT: 9.57 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VX017461.D
Acq: 21 Jul 2020 17:58

Tgt Ion	Ratio	Lower	Upper
129	100		
127	71.1	54.7	101.5





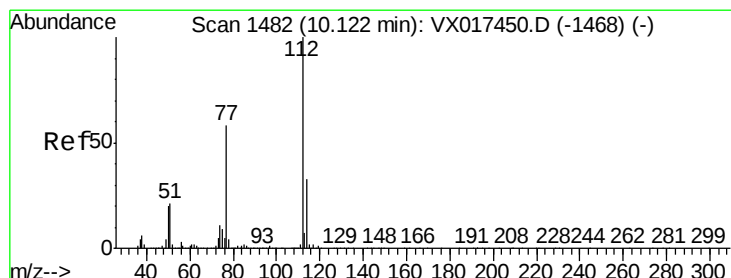
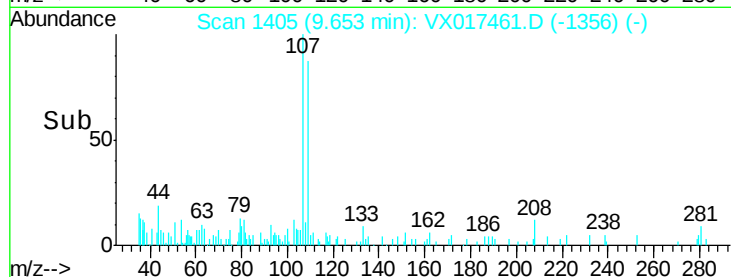
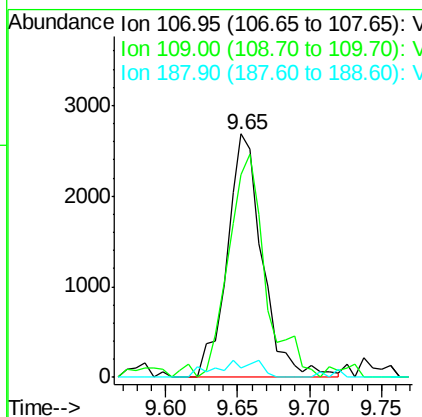
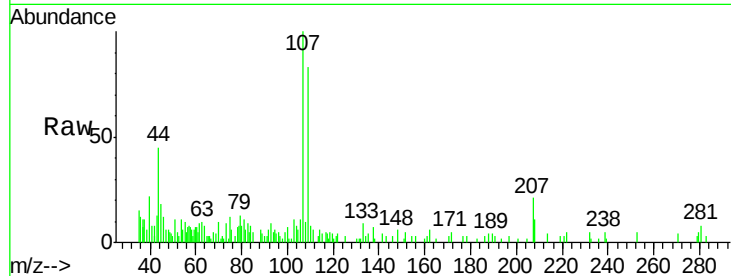
#52
 1,2-Dibromoethane
 Concen: 0.254 ug/L
 RT: 9.65 min Scan# 1405
 Delta R.T. 0.00 min
 Lab File: VX017461.D
 Acq: 21 Jul 2020 17:58

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL07

Tot Ion:	107	Resp:	4605
Ion Ratio	Lower	Upper	
107	100		
109	83.2	63.9	118.7
188	3.8	3.0	4.4

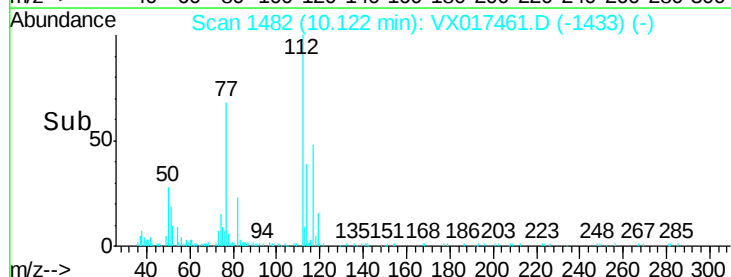
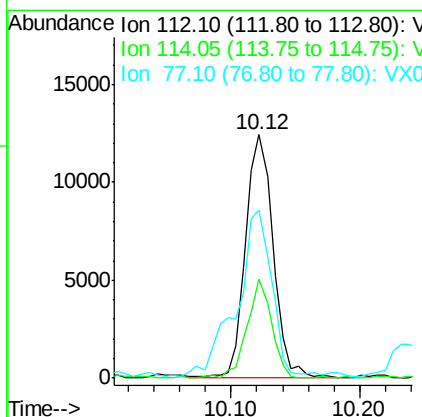
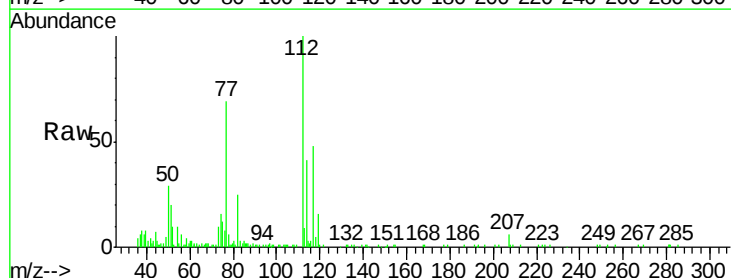
Manual Integrations
 APPROVED

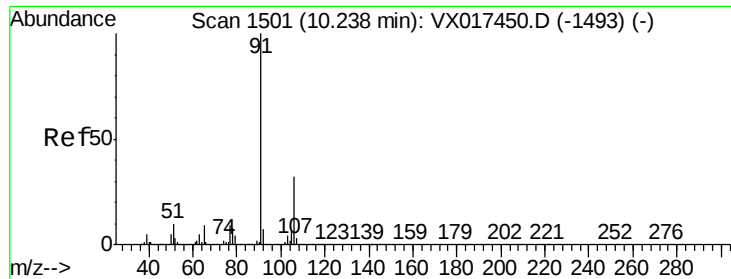
MMDadoda
 7/22/2020 9:11:22 AM



#53
 Chlorobenzene
 Concen: 0.253 ug/L
 RT: 10.12 min Scan# 1482
 Delta R.T. -0.00 min
 Lab File: VX017461.D
 Acq: 21 Jul 2020 17:58

Tgt Ion:	112	Resp:	18381
Ion Ratio	Lower	Upper	
112	100		
114	40.7	23.1	42.9
77	69.1	46.2	69.2





#54

Ethylbenzene

Concen: 0.246 ug/L

RT: 10.23 min Scan# 1500

Delta R.T. -0.01 min

Lab File: VX017461.D

Acq: 21 Jul 2020 17:58

Instrument :

MSVOA_X

ClientSampled :

MDL07

Tot Ion: 91 Resp: 28395

Ion Ratio Lower Upper

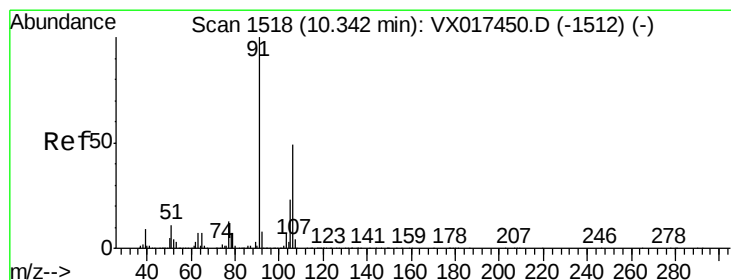
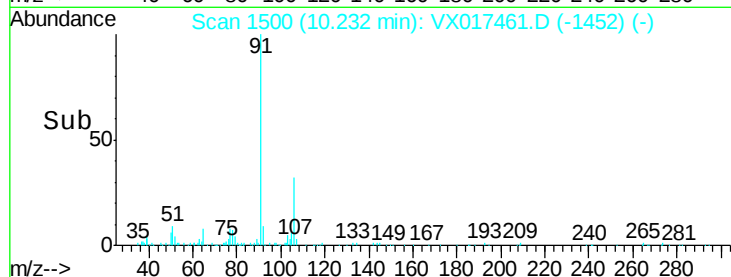
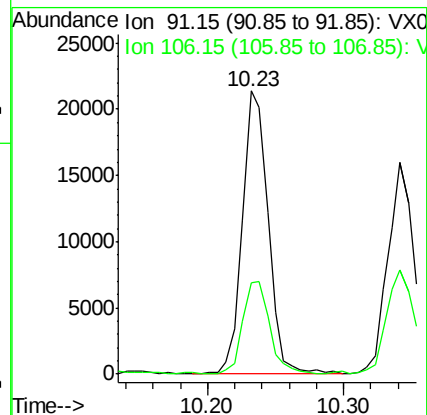
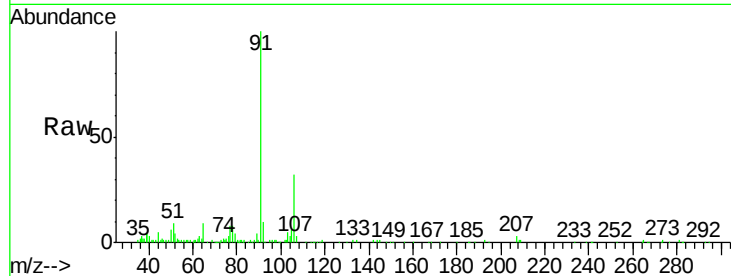
91 100

106 32.2 22.5 41.7

Manual Integrations
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#55

m,p-xylene

Concen: 0.248 ug/L

RT: 10.34 min Scan# 1518

Delta R.T. -0.00 min

Lab File: VX017461.D

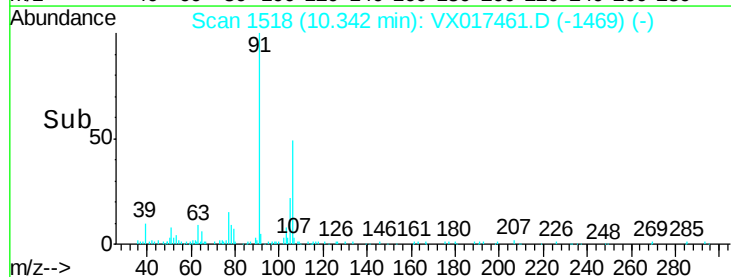
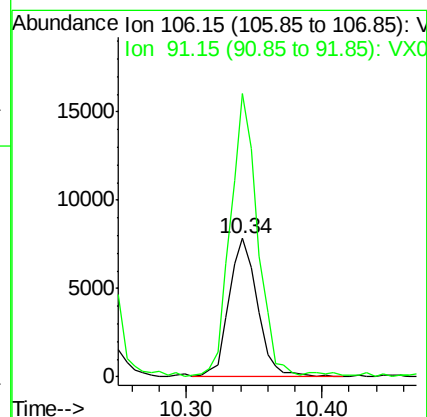
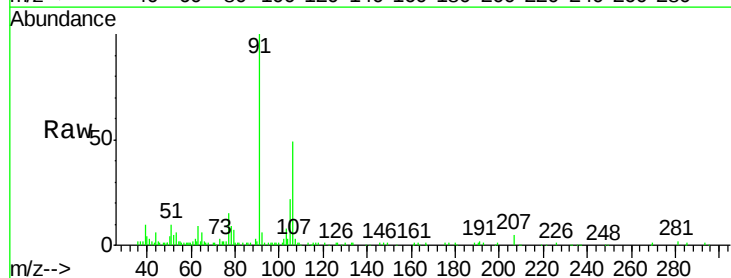
Acq: 21 Jul 2020 17:58

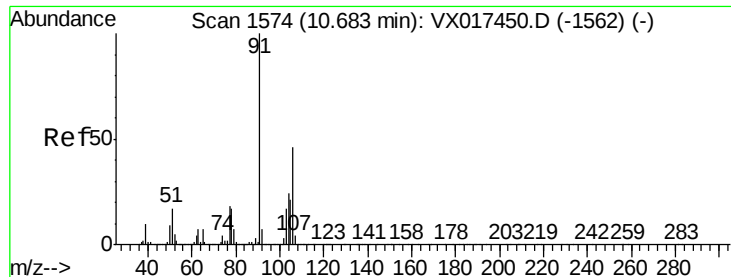
Tgt Ion: 106 Resp: 11457

Ion Ratio Lower Upper

106 100

91 204.2 142.7 264.9





#56

o-xylene

Concen: 0.224 ug/L

RT: 10.68 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VX017461.D

Acq: 21 Jul 2020 17:58

Instrument :

MSVOA_X

ClientSampled :

MDL07

Tot Ion:106 Resp: 10022

Ion Ratio Lower Upper

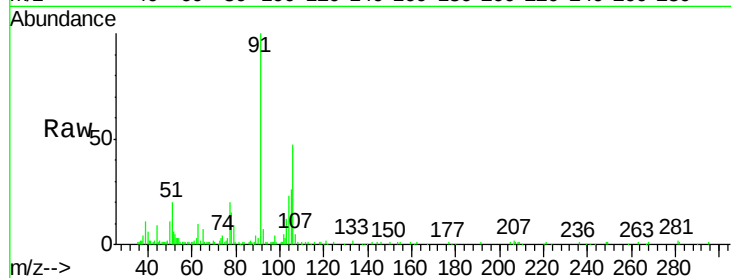
106 100

91 210.6 153.4 284.8

Manual Integrations
APPROVED

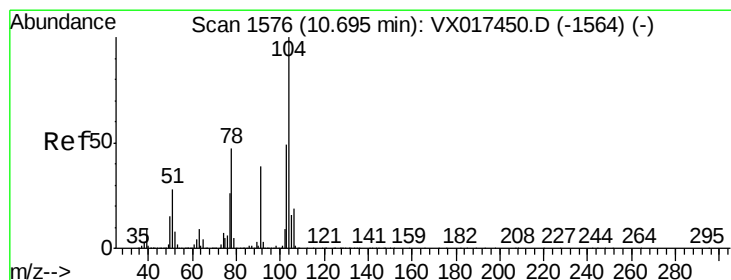
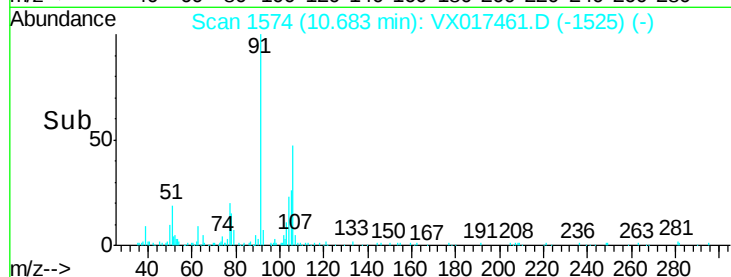
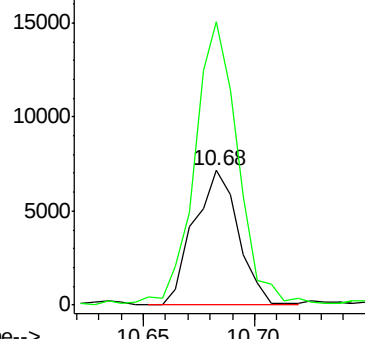
MMDadoda

7/22/2020 9:11:22 AM



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VX0



#57

Styrene

Concen: 0.197 ug/L

RT: 10.70 min Scan# 1576

Delta R.T. -0.00 min

Lab File: VX017461.D

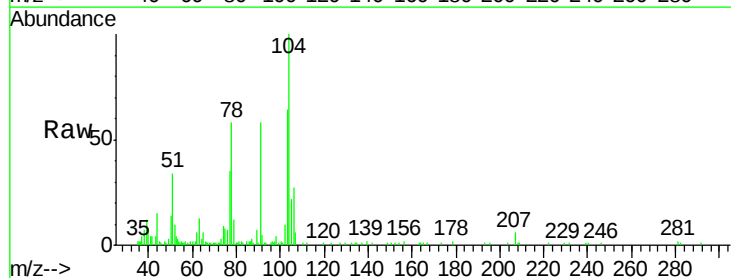
Acq: 21 Jul 2020 17:58

Tgt Ion:104 Resp: 14726

Ion Ratio Lower Upper

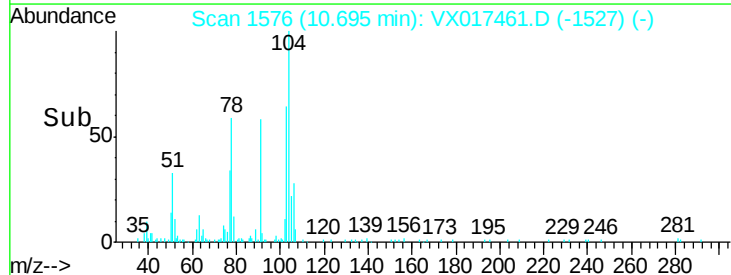
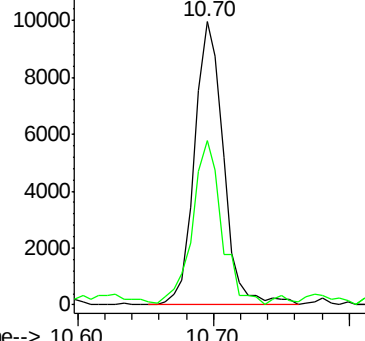
104 100

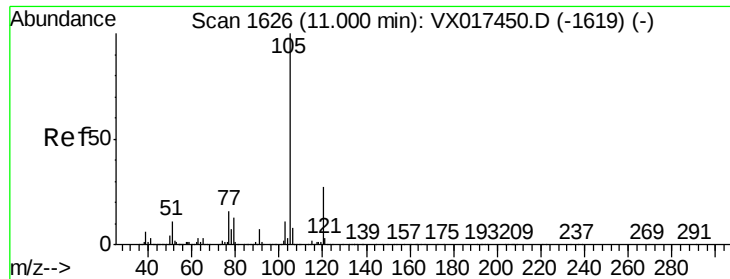
78 58.1 32.6 60.6



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VX0





#58

Isopropylbenzene

Concen: 0.217 ug/L

RT: 11.00 min Scan# 1626

Delta R.T. -0.00 min

Lab File: VX017461.D

Acq: 21 Jul 2020 17:58

Instrument :

MSVOA_X

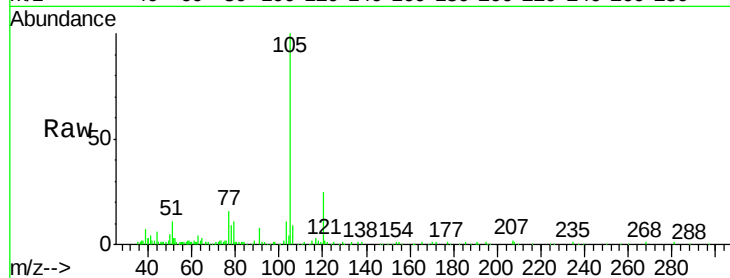
ClientSampled :

MDL07

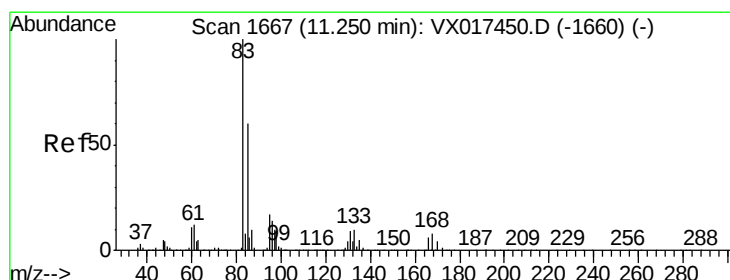
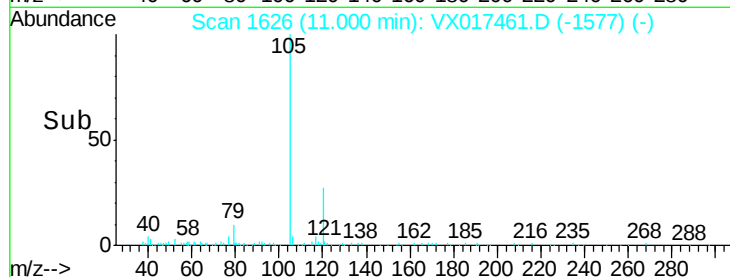
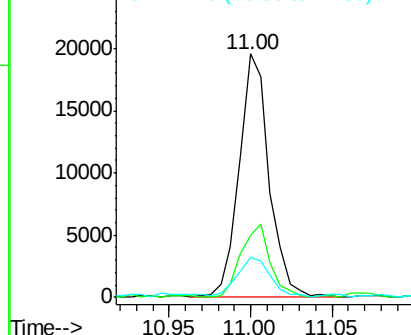
Tot Ion:	105	Resp:	25080
Ion Ratio	Lower	Upper	
105	100		
120	29.4	21.4	32.2
77	18.3	13.0	19.6

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Abundance Ion 105.05 (104.75 to 105.75): V
Ion 120.10 (119.80 to 120.80): V
Ion 77.10 (76.80 to 77.80): V



#60

1,1,2,2-Tetrachloroethane

Concen: 0.268 ug/L

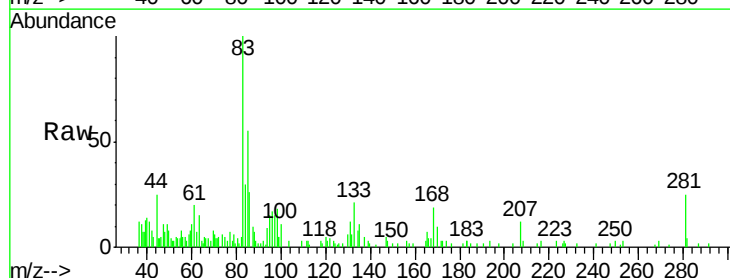
RT: 11.26 min Scan# 1668

Delta R.T. 0.01 min

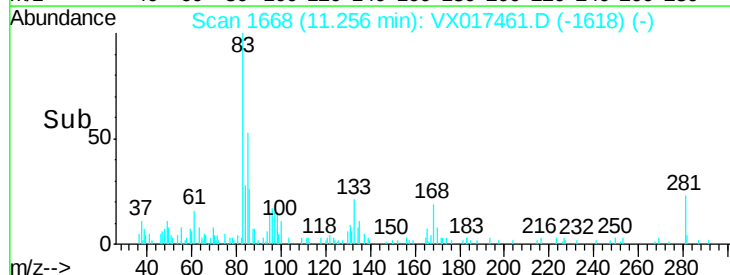
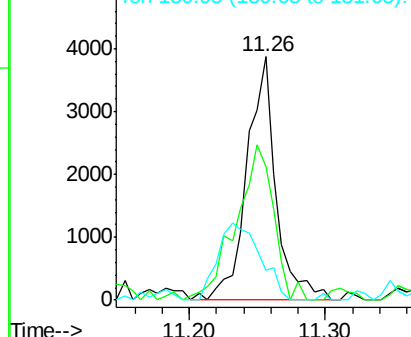
Lab File: VX017461.D

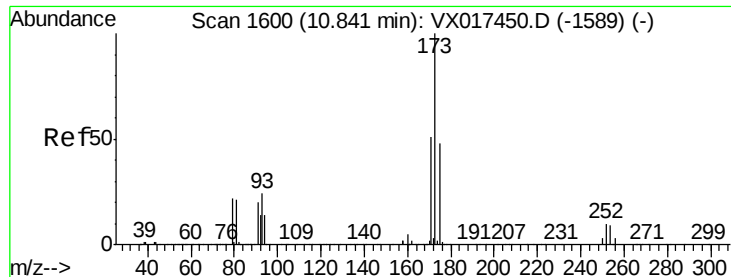
Acq: 21 Jul 2020 17:58

Tgt Ion:	83	Resp:	5833
Ion Ratio	Lower	Upper	
83	100		
85	54.7	42.1	78.1
131	12.2	7.7	11.5#



Abundance Ion 82.95 (82.65 to 83.65): VX0
Ion 85.00 (84.70 to 85.70): VX0
Ion 130.95 (130.65 to 131.65): V





#62

Bromoform

Concen: 0.289 ug/L

RT: 10.85 min Scan# 1601

Delta R.T. 0.01 min

Lab File: VX017461.D

Acq: 21 Jul 2020 17:58

Instrument :

MSVOA_X

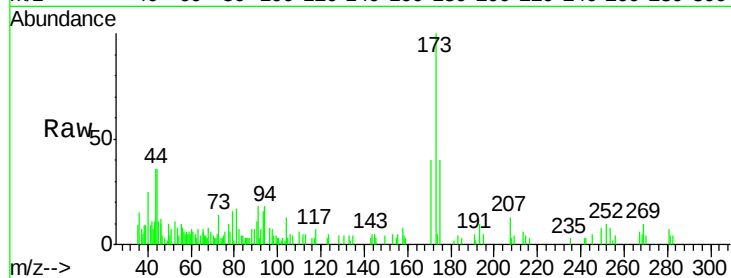
ClientSampled :

MDL07

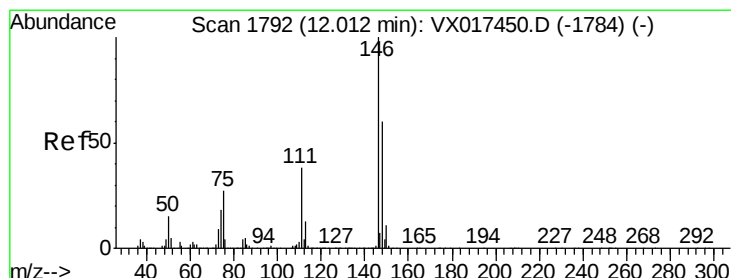
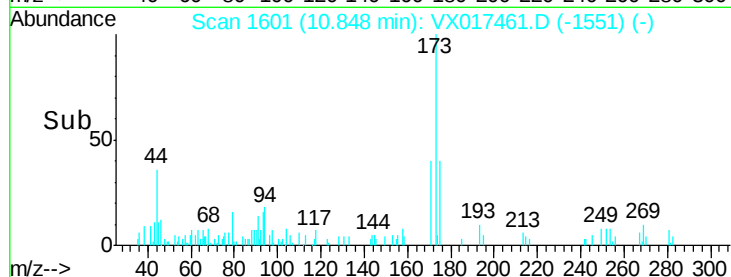
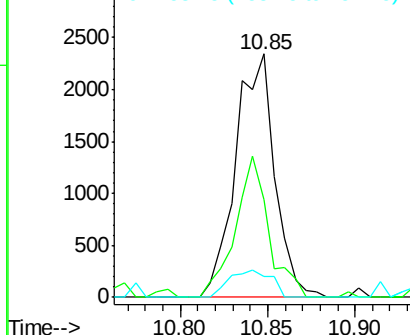
Tot Ion:	173	Resp:	3647
Ion Ratio	Lower	Upper	
173	100		
175	49.3	38.4	57.6
254	11.8	7.4	11.2#

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Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V



#63

1,3-Dichlorobenzene

Concen: 0.276 ug/L

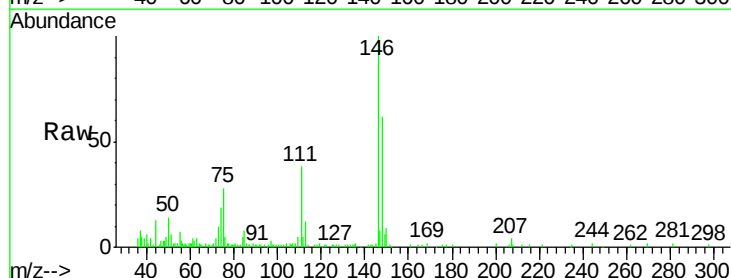
RT: 12.01 min Scan# 1792

Delta R.T. 0.00 min

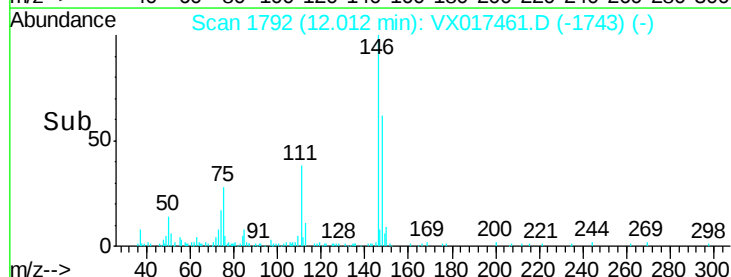
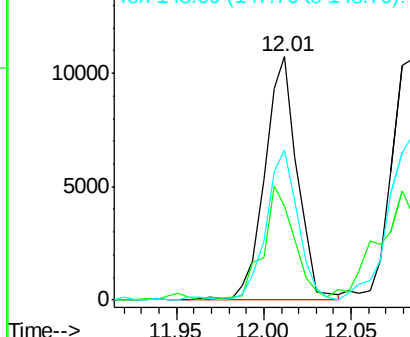
Lab File: VX017461.D

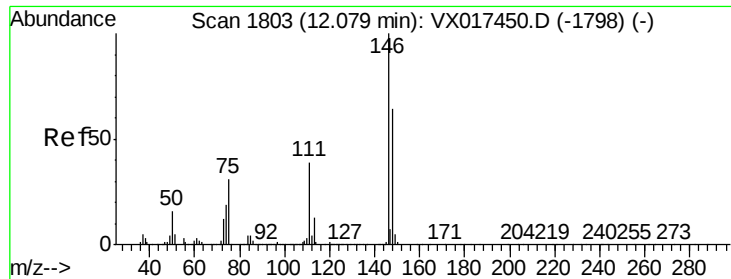
Acq: 21 Jul 2020 17:58

Tgt Ion:	146	Resp:	13998
Ion Ratio	Lower	Upper	
146	100		
111	38.4	26.8	49.8
148	61.6	42.1	78.3



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





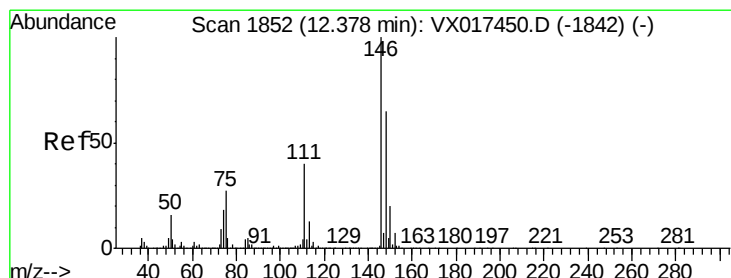
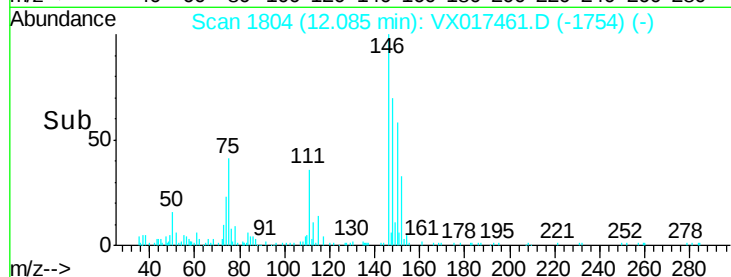
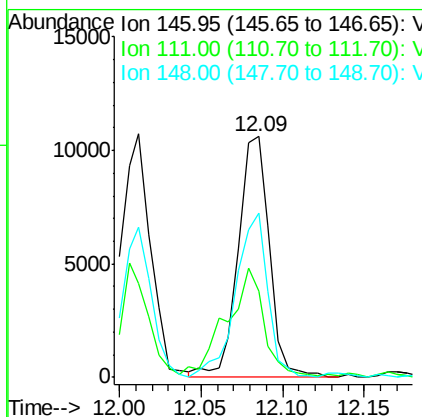
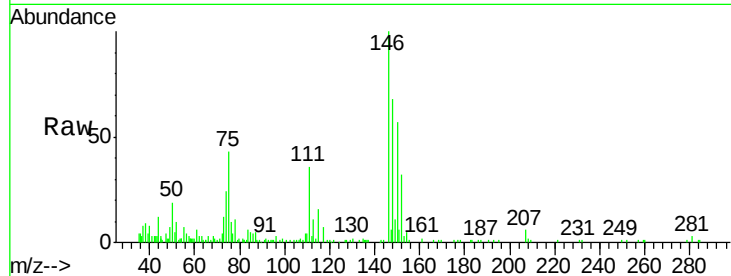
#64
1,4-Dichlorobenzene
Concen: 0.286 ug/L
RT: 12.09 min Scan# 1804
Delta R.T. 0.01 min
Lab File: VX017461.D
Acq: 21 Jul 2020 17:58

Instrument :
MSVOA_X
ClientSampled :
MDL07

Tot Ion	Ratio	Lower	Upper
146	100		
111	35.6	27.7	51.5
148	68.5	44.9	83.5

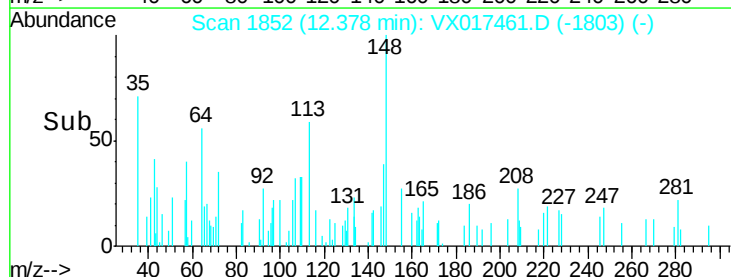
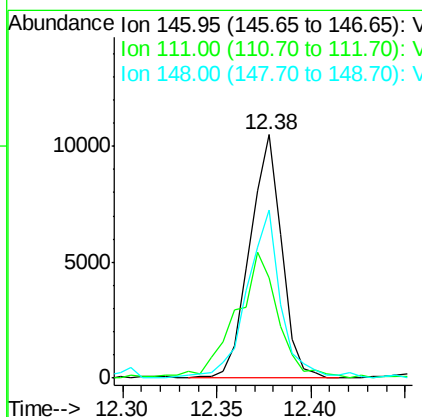
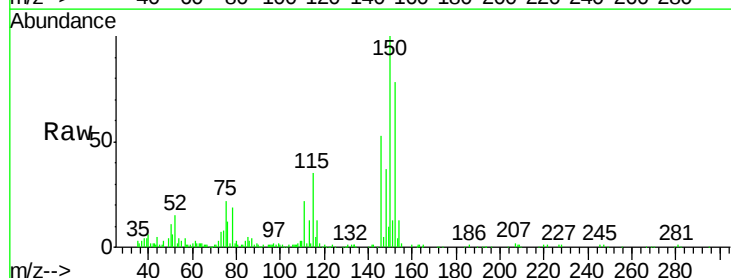
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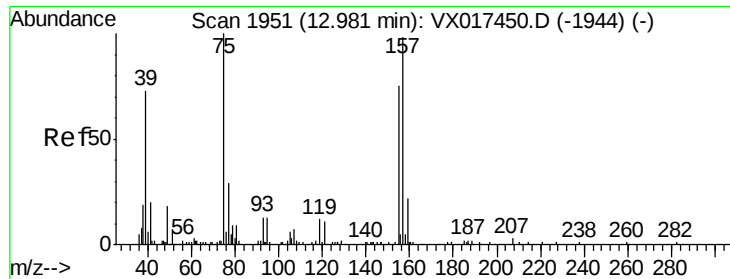
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#66
1,2-Dichlorobenzene
Concen: 0.262 ug/L
RT: 12.38 min Scan# 1852
Delta R.T. -0.00 min
Lab File: VX017461.D
Acq: 21 Jul 2020 17:58

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.4	31.8	47.6
148	69.0	51.8	77.8





#67

1,2-Dibromo-3-chloropropane

Concen: 0.433 ug/L

RT: 12.98 min Scan# 1951

Delta R.T. -0.00 min

Lab File: VX017461.D

Acq: 21 Jul 2020 17:58

Instrument :

MSVOA_X

ClientSampleId :

MDL07

Tot Ion: 75 Resp: 1789

Ion Ratio Lower Upper

75 100

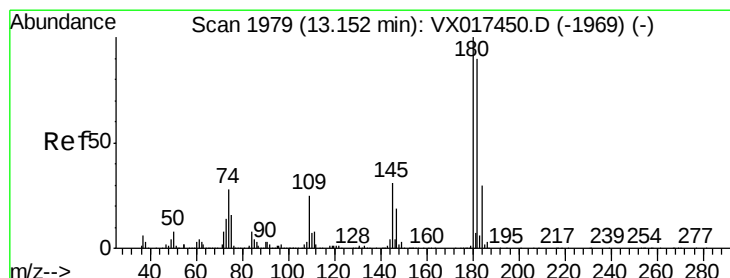
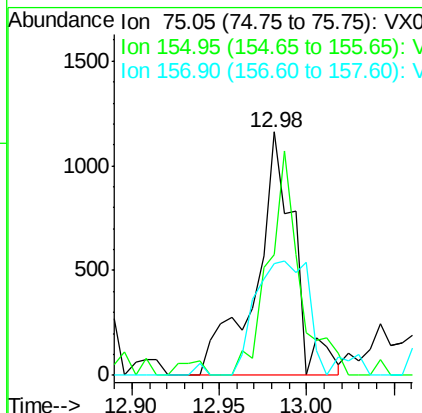
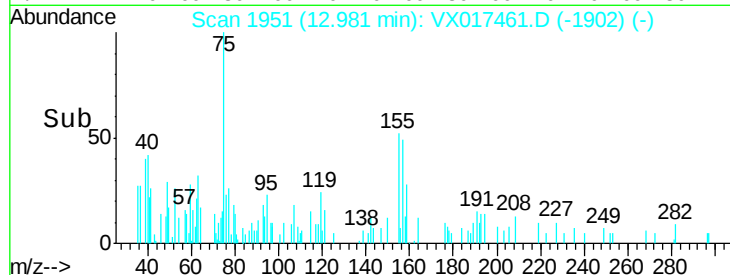
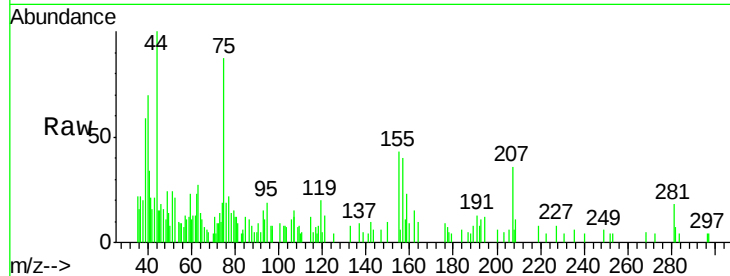
155 49.4 59.6 89.4#

157 46.1 78.7 118.1#

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#68

1,3,5-Trichlorobenzene

Concen: 0.275 ug/L

RT: 13.15 min Scan# 1979

Delta R.T. -0.00 min

Lab File: VX017461.D

Acq: 21 Jul 2020 17:58

Tgt Ion: 180 Resp: 11749

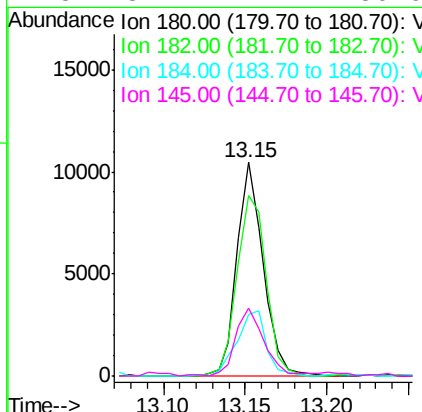
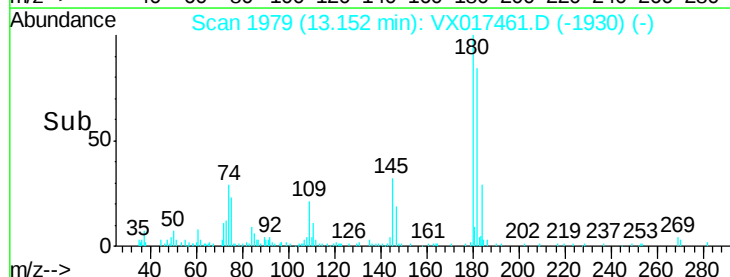
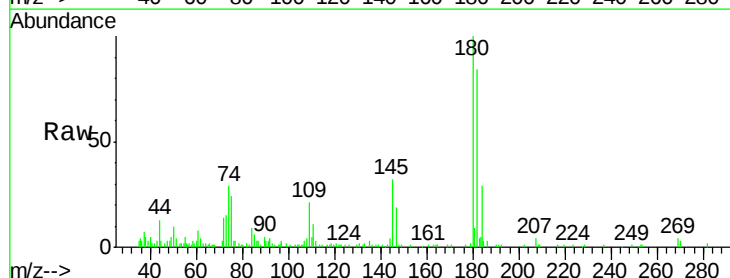
Ion Ratio Lower Upper

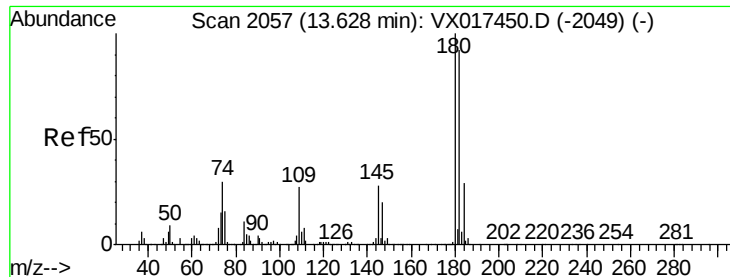
180 100

182 93.4 73.8 110.8

184 34.6 24.2 36.2

145 34.1 24.4 36.6





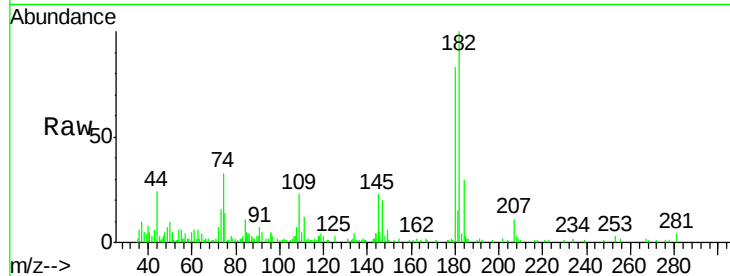
#69
1,2,4-trichlorobenzene
Concen: 0.257 ug/L
RT: 13.63 min Scan# 2057
Delta R.T. -0.00 min
Lab File: VX017461.D
Acq: 21 Jul 2020 17:58

Instrument :
MSVOA_X
ClientSampleId :
MDL07

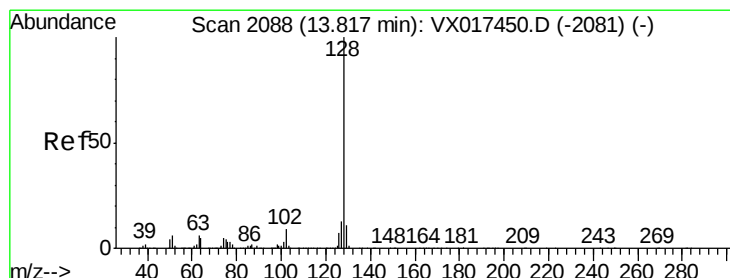
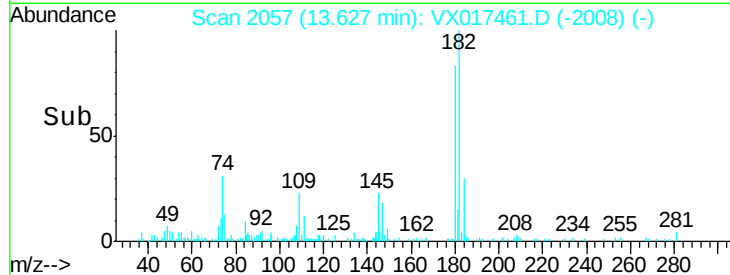
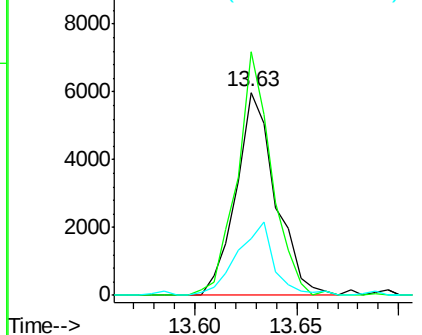
Tot Ion	Ratio	Resp	Lower	Upper
180	100	8026		
182	104.7	75.3	112.9	
145	34.1	24.3	36.5	

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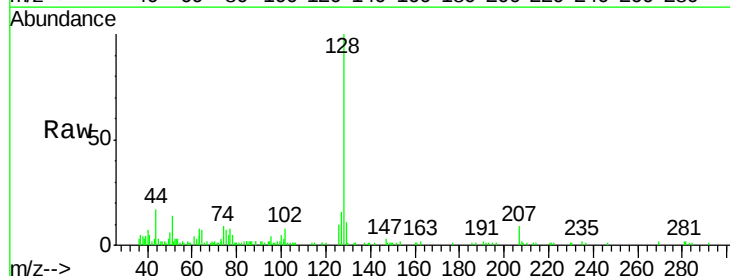


Abundance Ion 179.90 (179.60 to 180.60): V
Ion 182.00 (181.70 to 182.70): V
Ion 144.95 (144.65 to 145.65): V

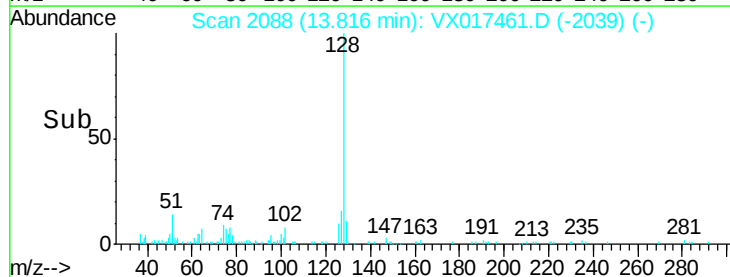
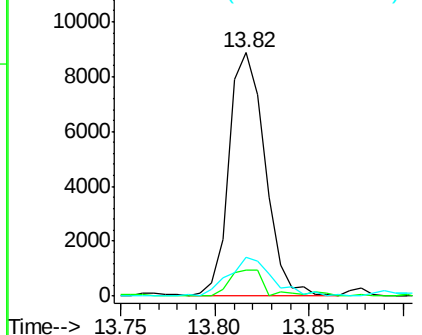


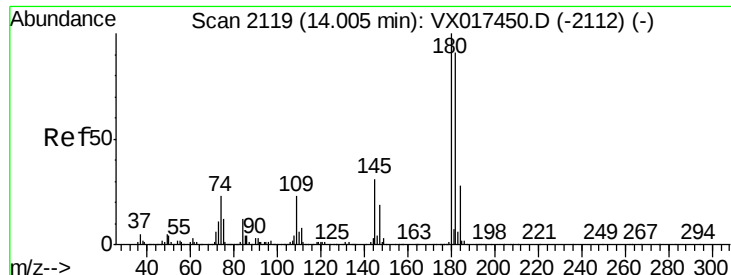
#70
Naphthalene
Concen: 0.216 ug/L
RT: 13.82 min Scan# 2088
Delta R.T. -0.00 min
Lab File: VX017461.D
Acq: 21 Jul 2020 17:58

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	11821		
129	10.0	8.7	13.1	
127	19.7	10.2	15.4	



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V





#71
 1,2,3-Trichlorobenzene
 Concen: 0.271 ug/L
 RT: 14.00 min Scan# 2118
 Delta R.T. -0.01 min
 Lab File: VX017461.D
 Acq: 21 Jul 2020 17:58

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL07

Tot Ion	Ratio	Lower	Upper
180	100		
182	88.4	75.3	112.9
145	31.8	26.9	40.3

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