

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX072120\
 Data File : VX017459.D
 Acq On : 21 Jul 2020 17:10
 Operator : JC/SP
 Sample : MDL05
 Misc : 25.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL05

Manual Integrations
 APPROVED

MMDadoda
 7/22/2020 9:11:12 AM

Quant Time: Jul 22 06:48:55 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	364194	5.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	344964	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	12.06	152	163045	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	124373	4.38	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.60%
7) Chloroethane-d5	1.69	69	88771	4.54	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.80%
11) 1,1-Dichloroethene-d2	2.34	63	188490	3.47	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	69.40%
20) 2-Butanone-d5	4.53	46	258875	48.92	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.84%
24) Chloroform-d	5.14	84	228238	4.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.60%
26) 1,2-Dichloroethane-d4	6.03	65	122559	4.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.40%
32) Benzene-d6	6.05	84	436028	5.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.00%
36) 1,2-Dichloropropane-d6	7.37	67	132743	5.33	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	106.60%
41) Toluene-d8	8.70	98	402412	4.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.60%
45) trans-1,3-Dichloropropene-	8.99	79	55686	5.10	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	102.00%
48) 2-Hexanone-d5	9.43	63	197328	50.96	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.92%
59) 1,1,2,2-Tetrachloroethane-	11.23	84	88807	4.57	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.40%
65) 1,2-Dichlorobenzene-d4	12.36	152	146545	5.31	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.18	85	10525	0.263 ug/L	100
3) Chloromethane	1.31	50	8170	0.219 ug/L	96
5) Vinyl chloride	1.39	62	8403m	0.237 ug/L	
6) Bromomethane	1.64	94	4540	0.235 ug/L	96
8) Chloroethane	1.71	64	4639	0.238 ug/L	91
9) Trichlorofluoromethane	1.92	101	11532	0.226 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.36	101	8832	0.319 ug/L #	80
12) 1,1-Dichloroethene	2.36	96	8136	0.316 ug/L #	1
13) Acetone	2.43	43	10124	2.371 ug/L	86
14) Carbon disulfide	2.55	76	20035	0.229 ug/L #	91
15) Methyl Acetate	2.75	43	3722	0.299 ug/L #	68
16) Methylene chloride	2.83	84	13448	0.380 ug/L	94
17) Methyl tert-butyl Ether	3.17	73	14400	0.235 ug/L #	83
18) trans-1,2-Dichloroethene	3.14	96	7215	0.263 ug/L	81
19) 1,1-Dichloroethane	3.67	63	11936	0.247 ug/L	87
21) 2-Butanone	4.64	43	17593	2.587 ug/L	99
22) cis-1,2-Dichloroethene	4.58	96	6625m	0.244 ug/L	

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 Quant Title : TRACE VOA SOM01.0
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	4.98	128	3836	0.293	ug/L #	76
25) Chloroform	5.18	83	16042	0.316	ug/L	96
27) 1,2-Dichloroethane	6.17	62	7823	0.240	ug/L #	90
29) 1,1,1-Trichloroethane	5.46	97	11549	0.249	ug/L	97
30) Cyclohexane	5.56	56	10288	0.275	ug/L #	88
31) Carbon tetrachloride	5.76	117	10611	0.254	ug/L	94
33) Benzene	6.12	78	23416	0.230	ug/L	100
34) Trichloroethene	7.19	95	6795	0.248	ug/L #	84
35) Methylcyclohexane	7.44	83	7947	0.214	ug/L #	80
37) 1,2-Dichloropropane	7.49	63	6500	0.254	ug/L #	67
38) Bromodichloromethane	7.87	83	8586	0.251	ug/L #	89
39) cis-1,3-Dichloropropene	8.42	75	8039	0.218	ug/L	96
40) 4-Methyl-2-pentanone	8.62	43	31683	2.121	ug/L #	94
42) Toluene	8.77	91	26561	0.261	ug/L	99
43) 1,3,5-Trimethylbenzene	11.49	105	15979	0.168	ug/L	91
44) 1,2,4-Trimethylbenzene	11.79	105	15491	0.165	ug/L	97
46) trans-1,3-Dichloropropene	9.02	75	7249m	0.228	ug/L	
47) 1,1,2-Trichloroethane	9.20	97	4803	0.275	ug/L #	88
49) Tetrachloroethene	9.32	164	5537	0.249	ug/L	97
50) 2-Hexanone	9.48	43	24378	2.236	ug/L #	90
51) Dibromochloromethane	9.56	129	5398	0.225	ug/L	78
52) 1,2-Dibromoethane	9.65	107	4634	0.268	ug/L #	83
53) Chlorobenzene	10.12	112	17112	0.247	ug/L	95
54) Ethylbenzene	10.24	91	24118	0.218	ug/L	99
55) m,p-xylene	10.34	106	9386	0.213	ug/L	88
56) o-xylene	10.68	106	8645	0.202	ug/L	99
57) Styrene	10.69	104	13909	0.195	ug/L #	78
58) Isopropylbenzene	11.00	105	26041	0.235	ug/L	98
60) 1,1,2,2-Tetrachloroethane	11.25	83	5260	0.253	ug/L #	75
62) Bromoform	10.84	173	3051	0.234	ug/L	91
63) 1,3-Dichlorobenzene	12.01	146	11870	0.226	ug/L	97
64) 1,4-Dichlorobenzene	12.08	146	12210	0.236	ug/L	92
66) 1,2-Dichlorobenzene	12.37	146	13023	0.268	ug/L	91
67) 1,2-Dibromo-3-chloropropan	12.98	75	1733	0.405	ug/L #	69
68) 1,3,5-Trichlorobenzene	13.15	180	10412	0.236	ug/L #	92
69) 1,2,4-trichlorobenzene	13.63	180	7254	0.225	ug/L #	95
70) Naphthalene	13.82	128	11369	0.201	ug/L #	87
71) 1,2,3-Trichlorobenzene	14.00	180	6470	0.217	ug/L	97

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

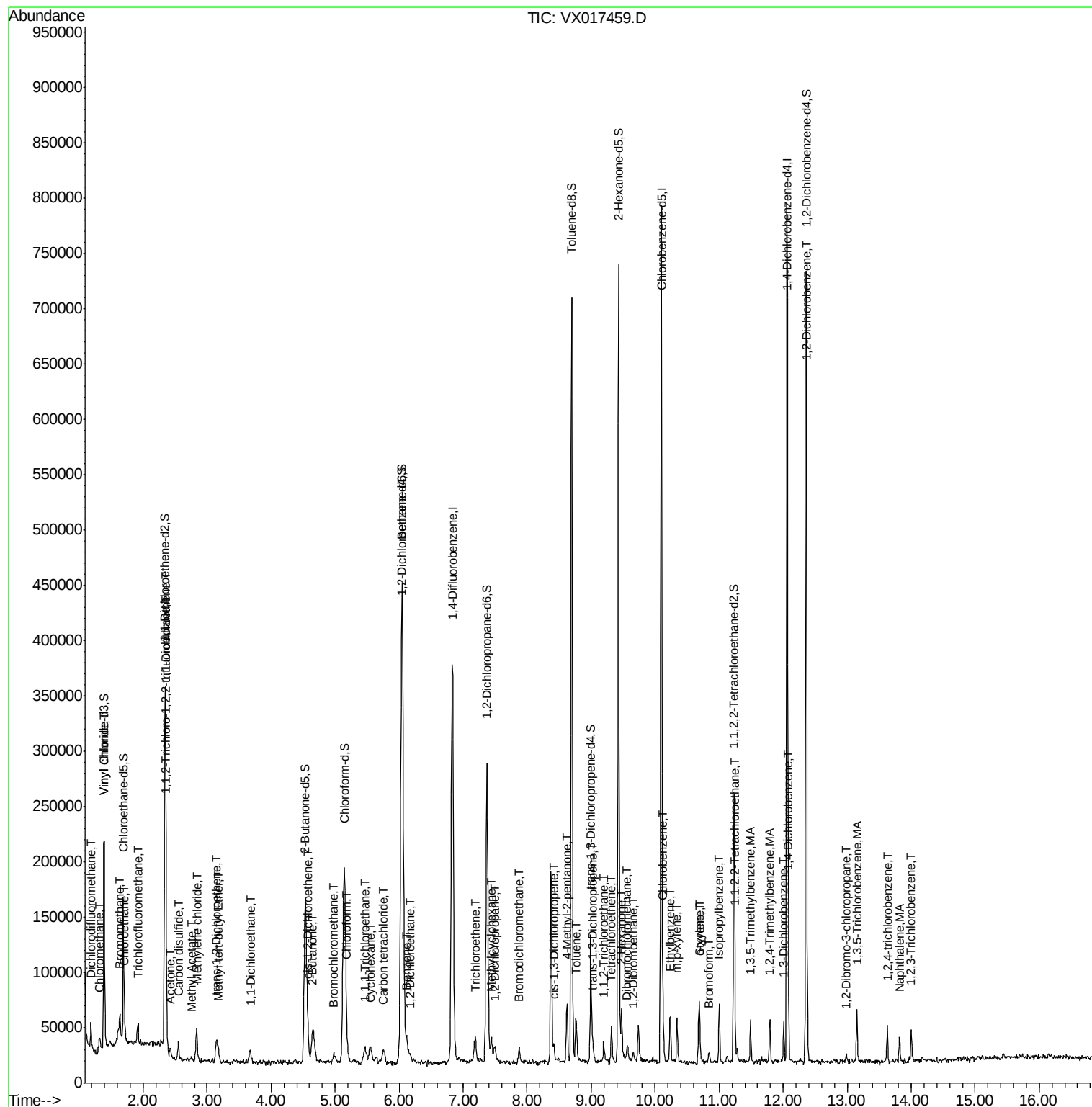
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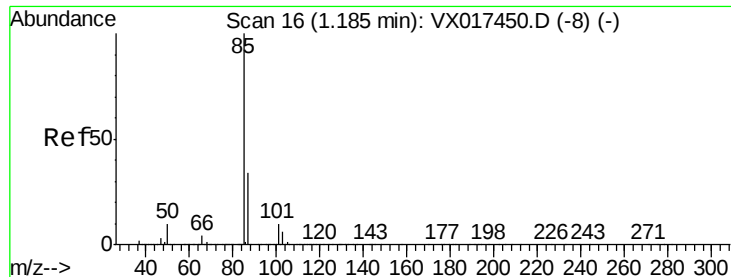
Instrument :
MSVOA_X
ClientSampleId :
MDL05

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Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jul 22 06:14:00 2020
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 0.263 ug/L

RT: 1.18 min Scan# 16

Delta R.T. -0.00 min

Lab File: VX017459.D

Acq: 21 Jul 2020 17:10

Instrument :

MSVOA_X

ClientSampled :

MDL05

Tot Ion: 85 Resp: 10525

Ion Ratio Lower Upper

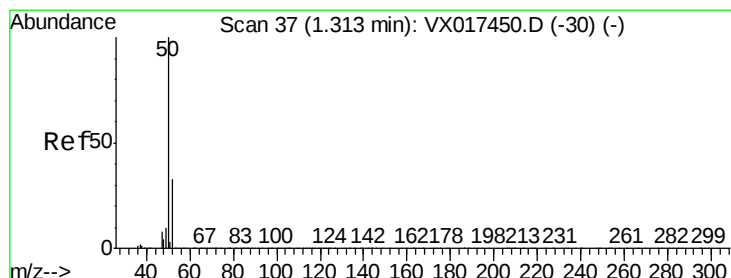
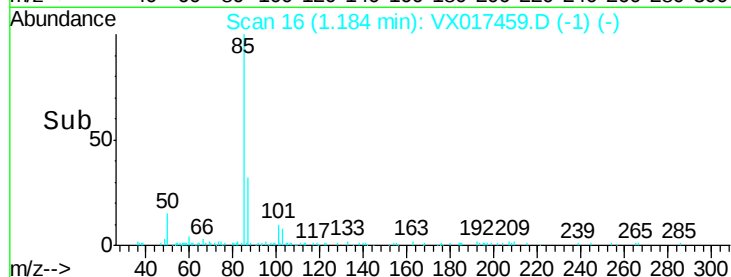
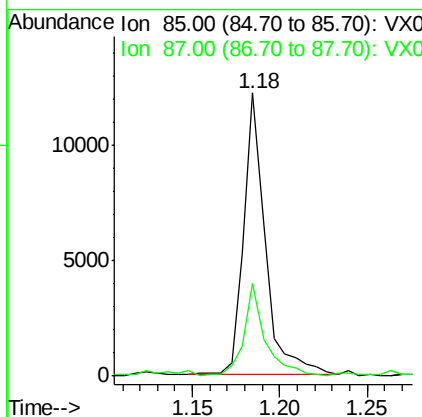
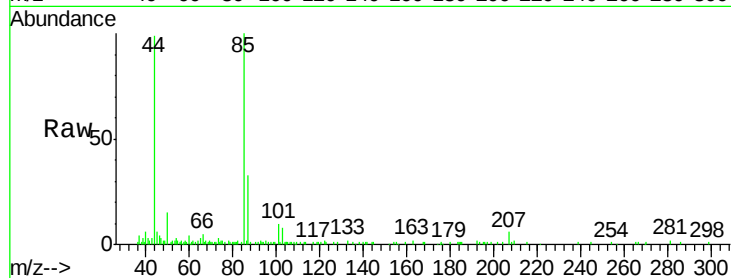
85 100

87 32.4 26.1 39.1

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7/22/2020 9:11:12 AM



#3

Chloromethane

Concen: 0.219 ug/L

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX017459.D

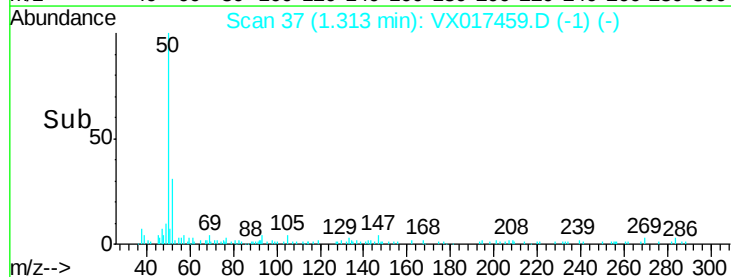
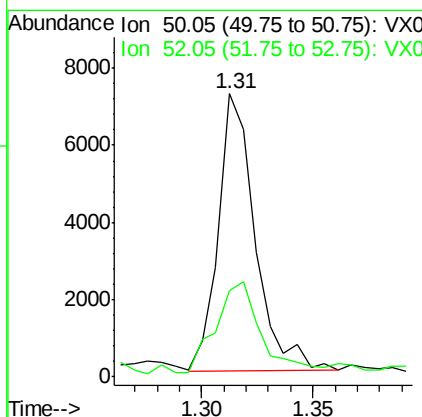
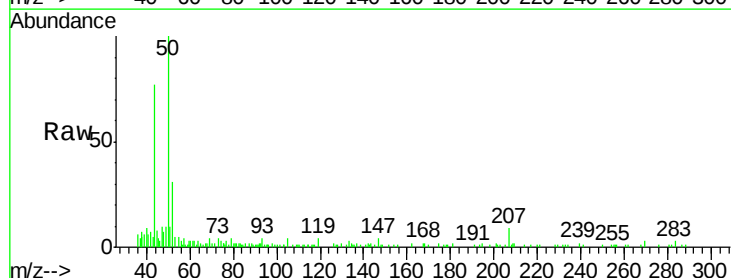
Acq: 21 Jul 2020 17:10

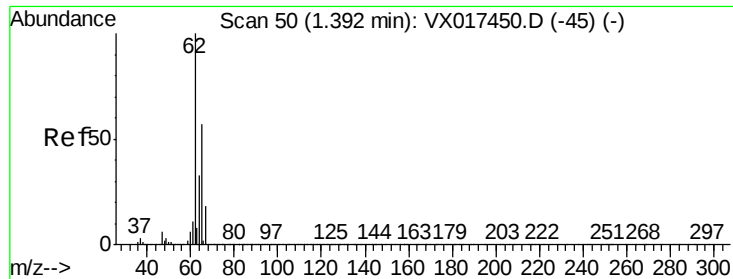
Tgt Ion: 50 Resp: 8170

Ion Ratio Lower Upper

50 100

52 30.7 23.2 43.2





#5

Vinyl chloride

Concen: 0.237 ug/L m

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX017459.D

Acq: 21 Jul 2020 17:10

Instrument :

MSVOA_X

ClientSampled :

MDL05

Tot Ion: 62 Resp: 8403

Ion Ratio Lower Upper

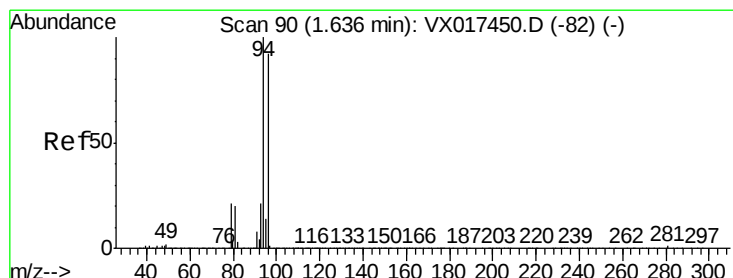
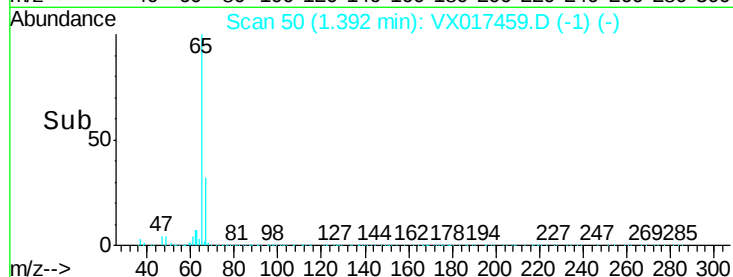
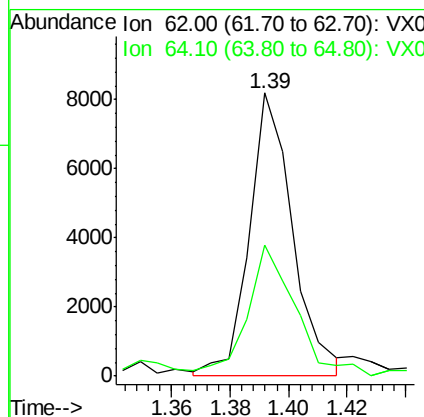
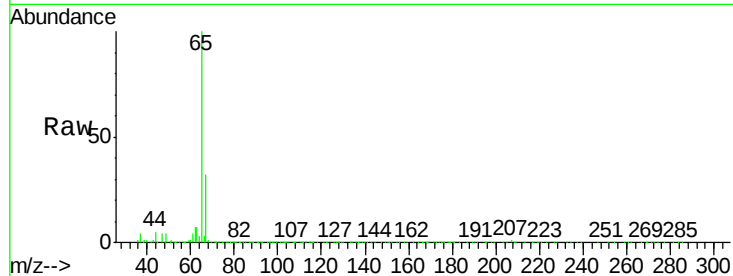
62 100

64 46.1 23.2 43.2#

Manual Integrations
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#6

Bromomethane

Concen: 0.235 ug/L

RT: 1.64 min Scan# 90

Delta R.T. -0.00 min

Lab File: VX017459.D

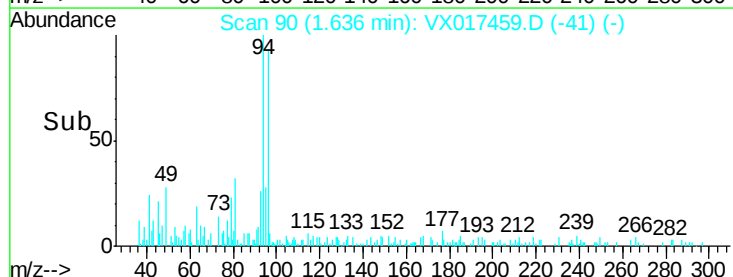
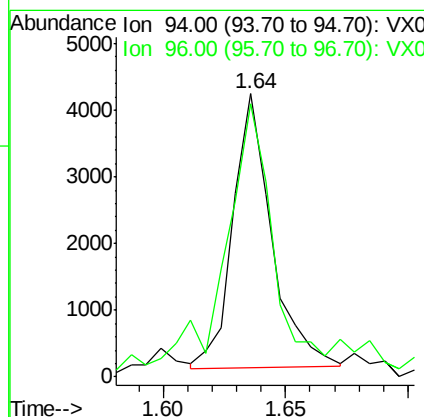
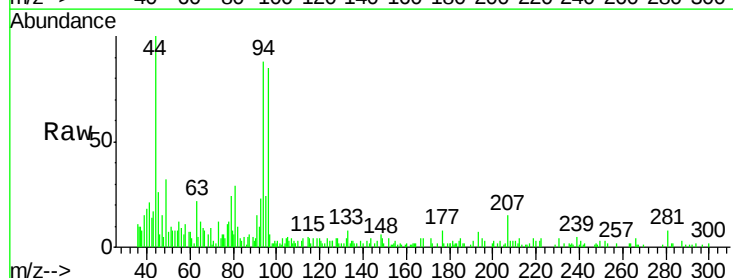
Acq: 21 Jul 2020 17:10

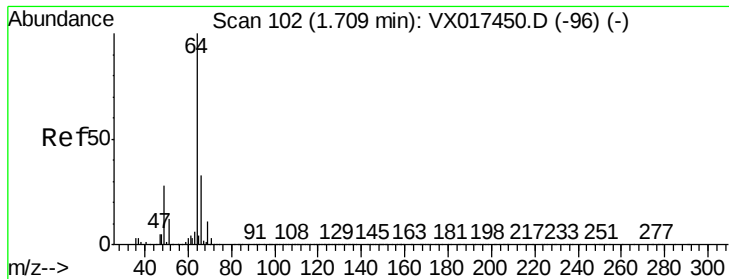
Tgt Ion: 94 Resp: 4540

Ion Ratio Lower Upper

94 100

96 96.4 64.8 120.4





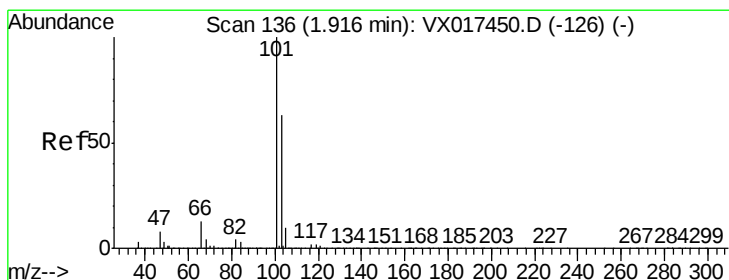
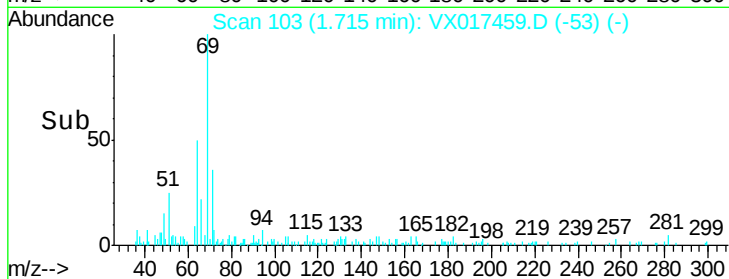
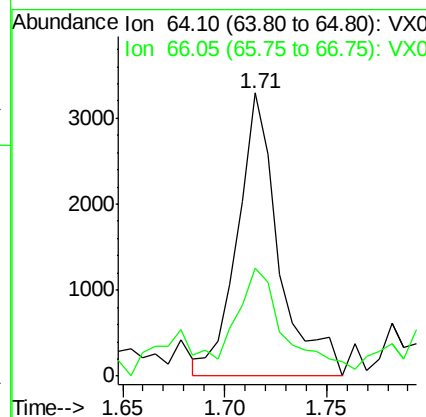
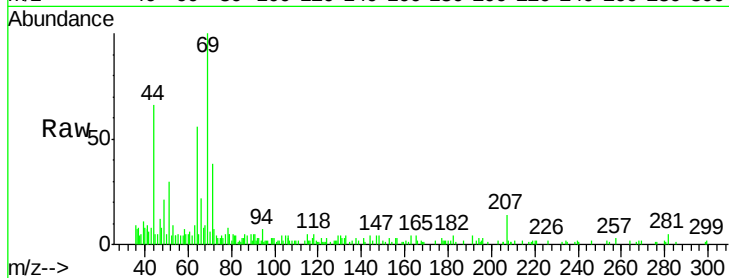
#8
Chloroethane
Concen: 0.238 ug/L
RT: 1.71 min Scan# 103
Delta R.T. 0.01 min
Lab File: VX017459.D
Acq: 21 Jul 2020 17:10

Instrument :
MSVOA_X
ClientSampled :
MDL05

Tot Ion	Ratio	Lower	Upper
64	100		
66	38.2	23.1	42.9

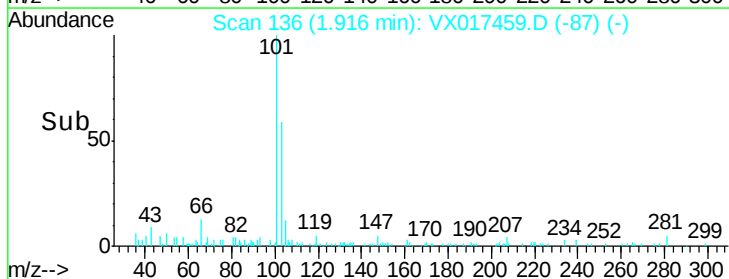
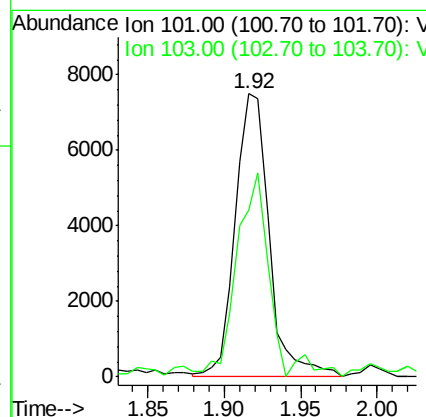
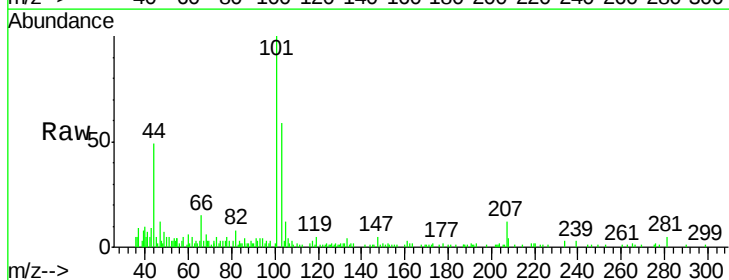
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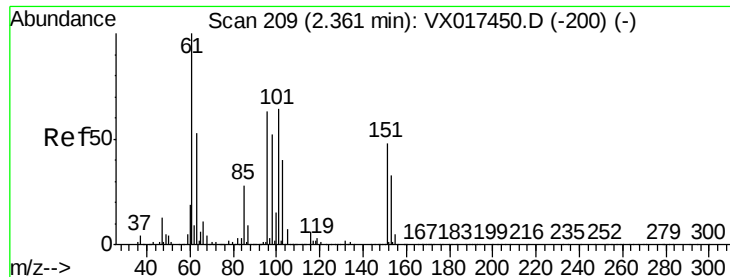
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#9
Trichlorofluoromethane
Concen: 0.226 ug/L
RT: 1.92 min Scan# 136
Delta R.T. -0.00 min
Lab File: VX017459.D
Acq: 21 Jul 2020 17:10

Tgt Ion	Ratio	Lower	Upper
101	100		
103	62.5	51.4	77.2





#10

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

Concen: 0.319 ug/L

RT: 2.36 min Scan# 209

Delta R.T. -0.00 min

Lab File: VX017459.D

Acq: 21 Jul 2020 17:10

Instrument :

MSVOA_X

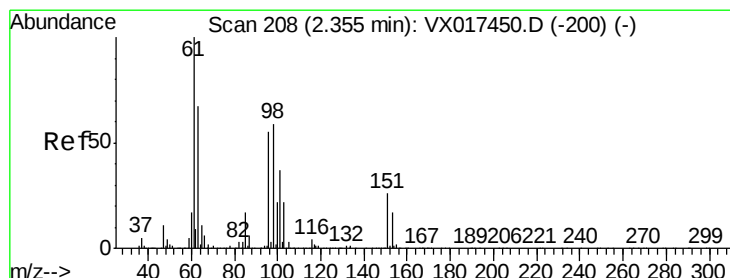
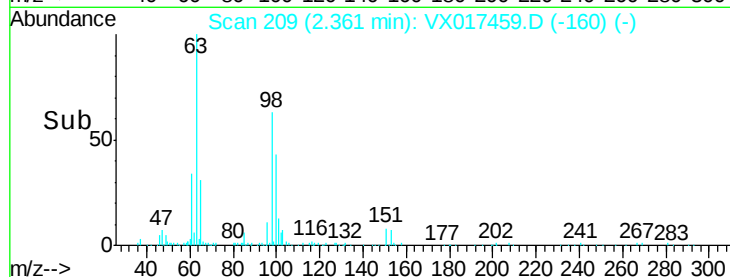
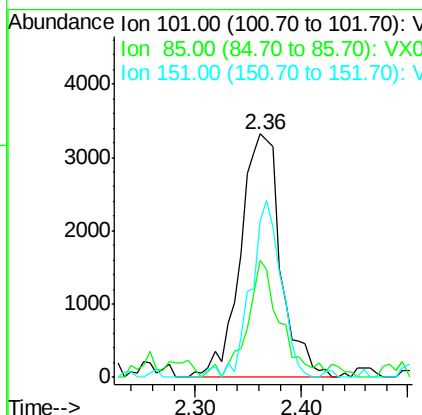
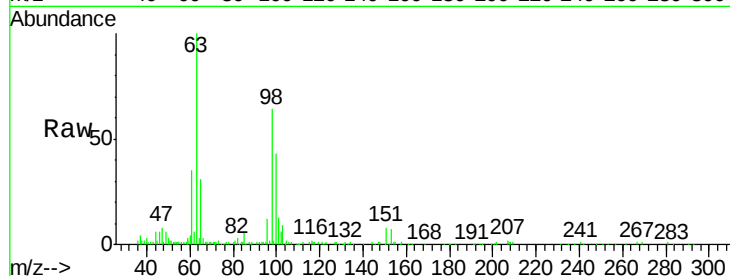
ClientSampleId :

MDL05

Tot Ion:	101	Resp:	8832
Ion Ratio	Lower	Upper	
101	100		
85	39.7	35.3	52.9
151	53.7	62.3	93.5#

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#12

1,1-Dichloroethene

Concen: 0.316 ug/L

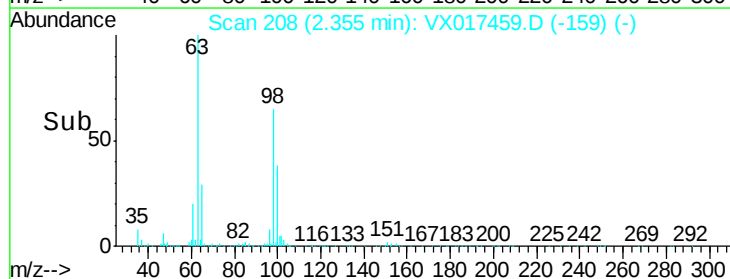
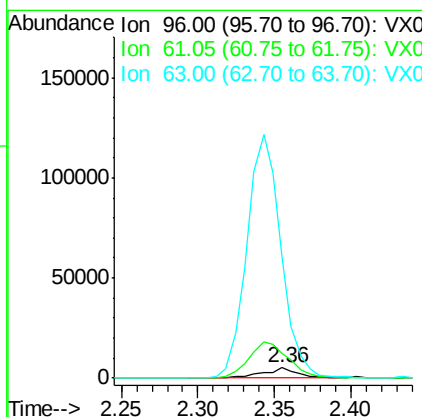
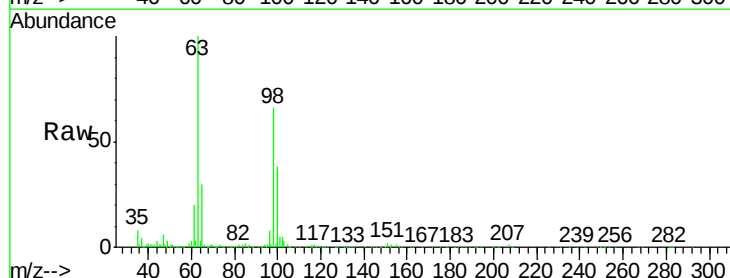
RT: 2.36 min Scan# 208

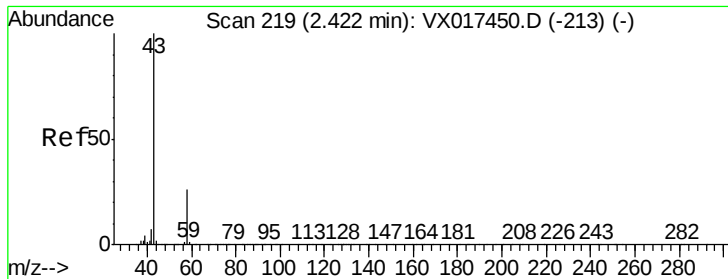
Delta R.T. -0.00 min

Lab File: VX017459.D

Acq: 21 Jul 2020 17:10

Tgt Ion:	96	Resp:	8136
Ion Ratio	Lower	Upper	
96	100		
61	238.0	126.5	234.9#
63	1184.1	85.6	159.0#





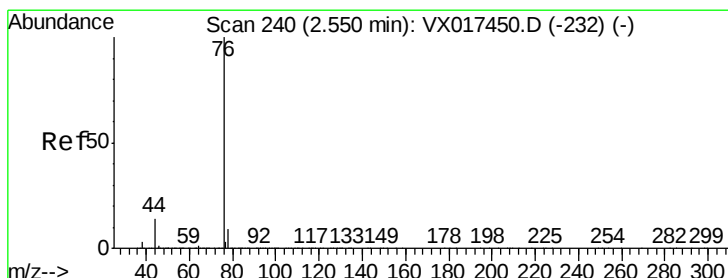
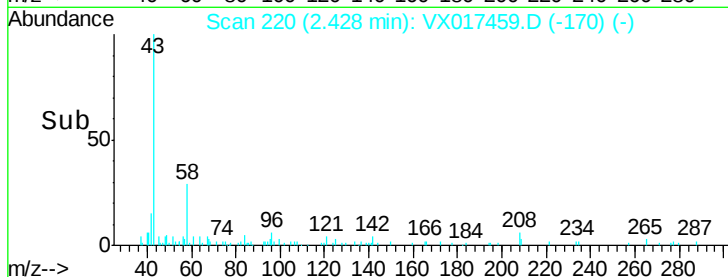
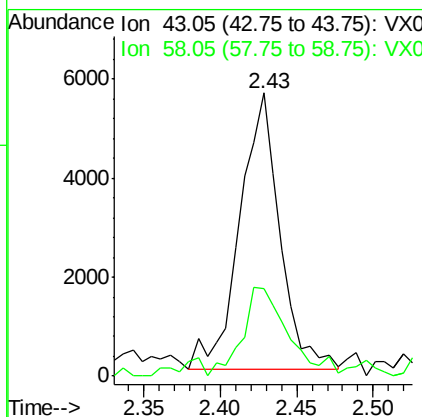
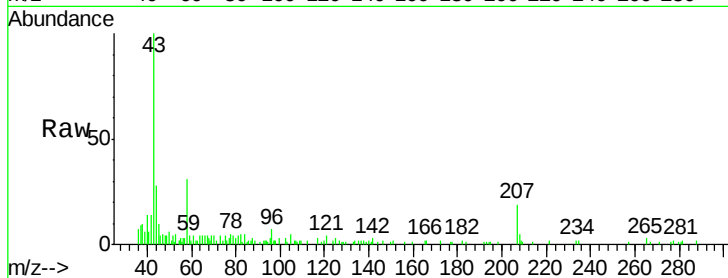
#13
Acetone
Concen: 2.371 ug/L
RT: 2.43 min Scan# 220
Delta R.T. 0.01 min
Lab File: VX017459.D
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Tot Ion	Ratio	Lower	Upper
43	100		
58	36.7	0.0	58.6

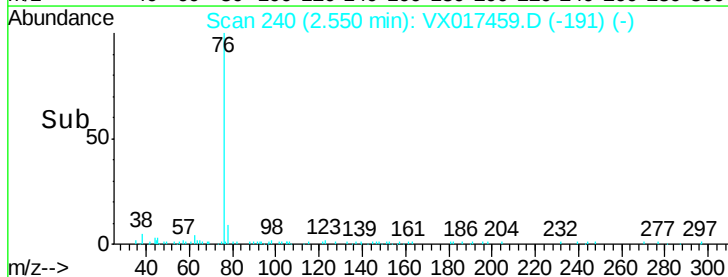
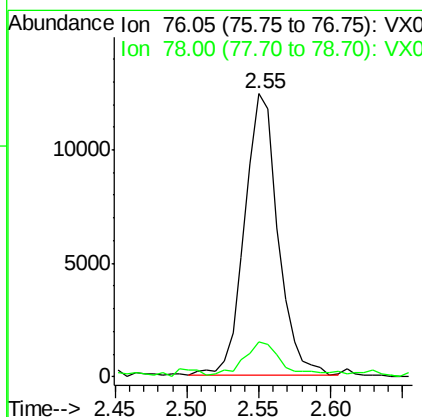
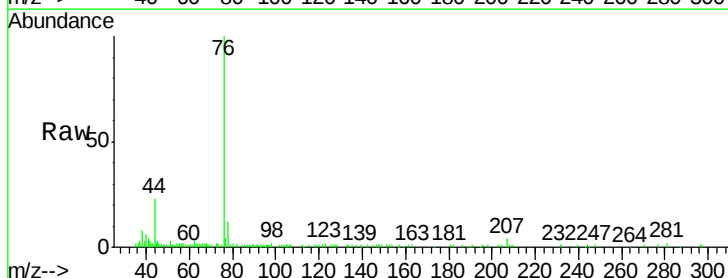
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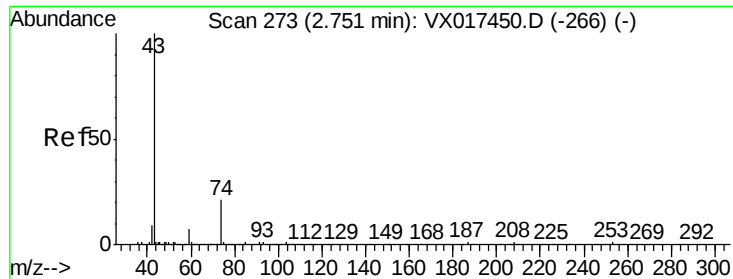
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#14
Carbon disulfide
Concen: 0.229 ug/L
RT: 2.55 min Scan# 240
Delta R.T. -0.00 min
Lab File: VX017459.D
Acq: 21 Jul 2020 17:10

Tgt Ion	Ratio	Lower	Upper
76	100		
78	12.3	7.3	10.9#





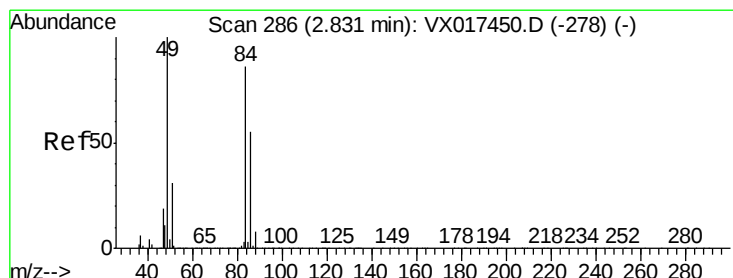
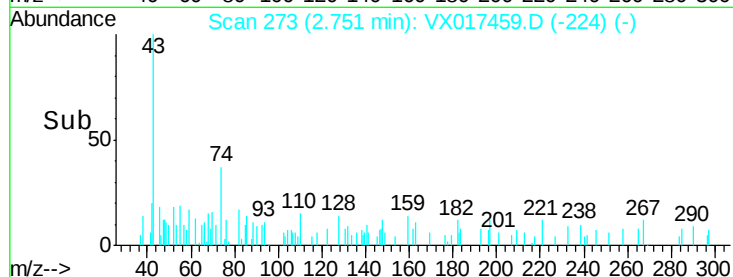
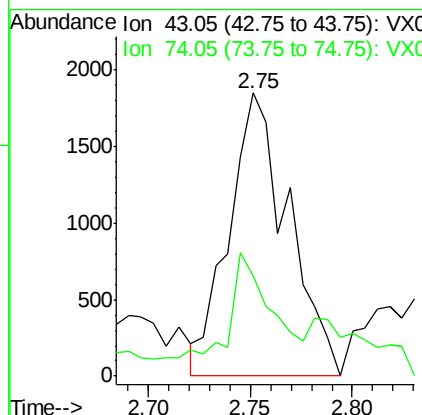
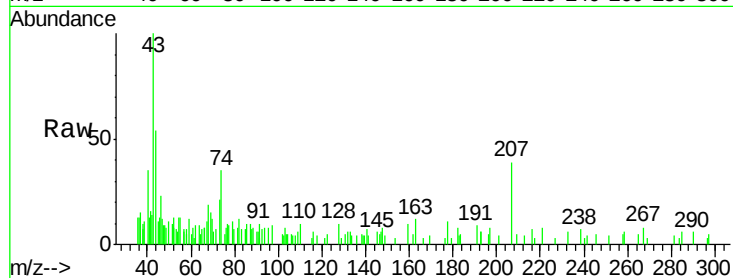
#15
Methyl Acetate
Concen: 0.299 ug/L
RT: 2.75 min Scan# 273
Delta R.T. -0.00 min
Lab File: VX017459.D
Acq: 21 Jul 2020 17:10

Instrument :
MSVOA_X
ClientSampleId :
MDL05

Tot Ion: 43 Resp: 3722
Ion Ratio Lower Upper
43 100
74 37.3 17.6 26.4#

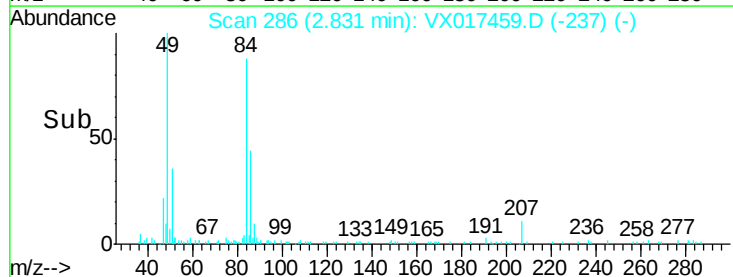
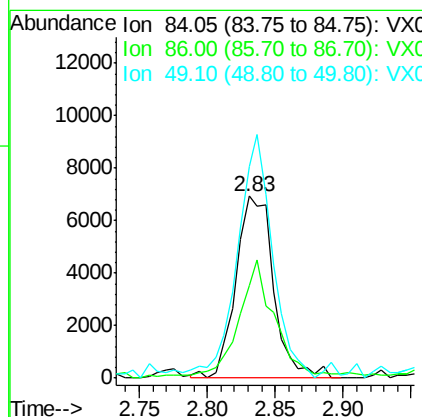
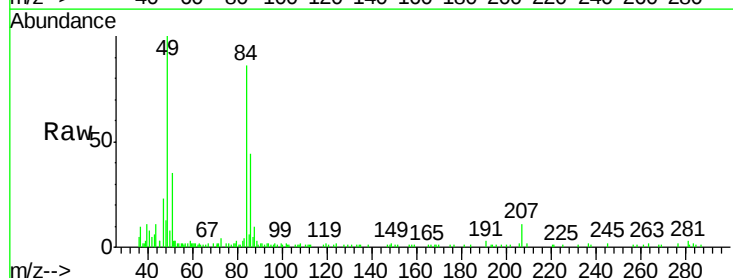
Manual Integrations
APPROVED

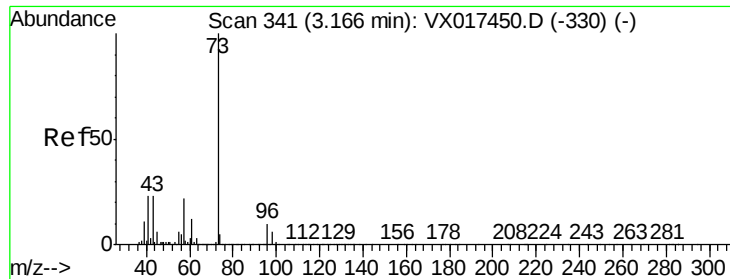
MMDadoda
7/22/2020 9:11:12 AM



#16
Methylene chloride
Concen: 0.380 ug/L
RT: 2.83 min Scan# 286
Delta R.T. -0.00 min
Lab File: VX017459.D
Acq: 21 Jul 2020 17:10

Tgt Ion: 84 Resp: 13448
Ion Ratio Lower Upper
84 100
86 51.0 44.8 83.2
49 115.9 81.0 150.4





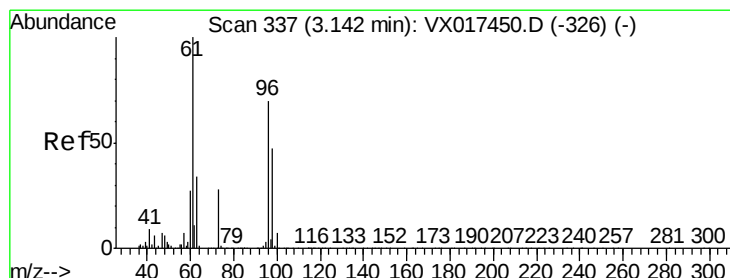
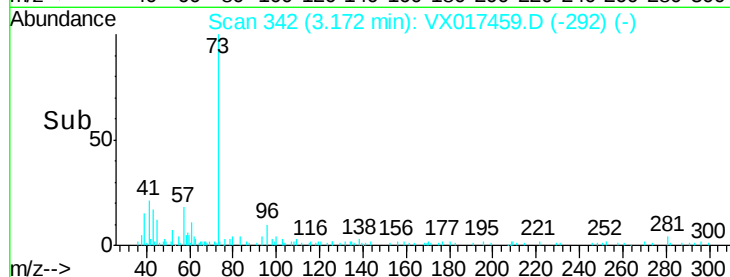
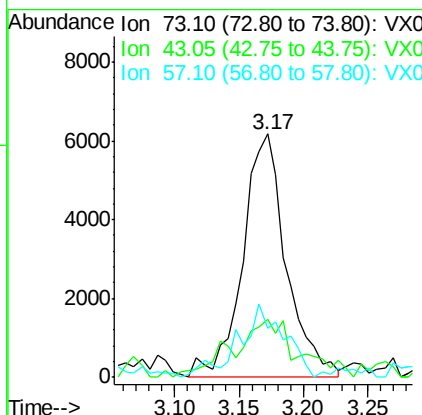
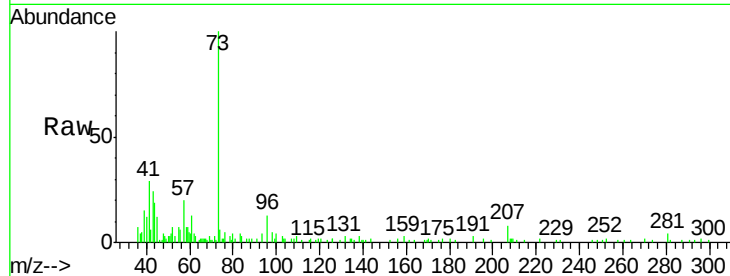
#17
Methvl tert-butvl Ether
Concen: 0.235 ug/L
RT: 3.17 min Scan# 342
Delta R.T. 0.01 min
Lab File: VX017459.D
Acq: 21 Jul 2020 17:10

Instrument :
MSVOA_X
ClientSampleId :
MDL05

Tot Ion	Ratio	Lower	Upper
73	100		
43	11.3	17.8	26.6#
57	27.9	17.8	26.8#

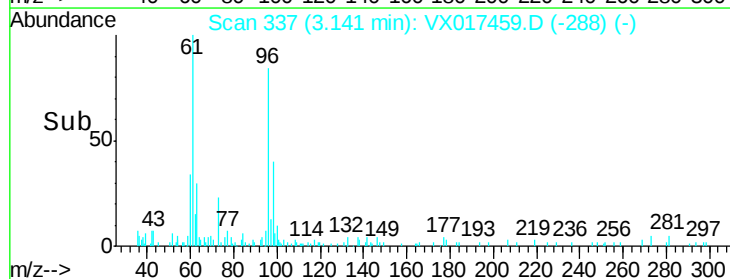
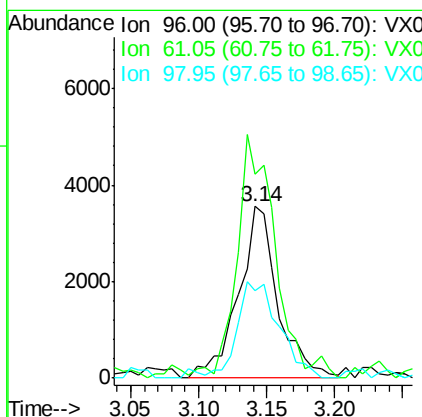
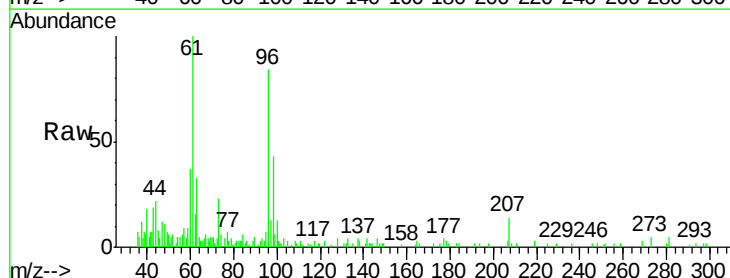
Manual Integrations
APPROVED

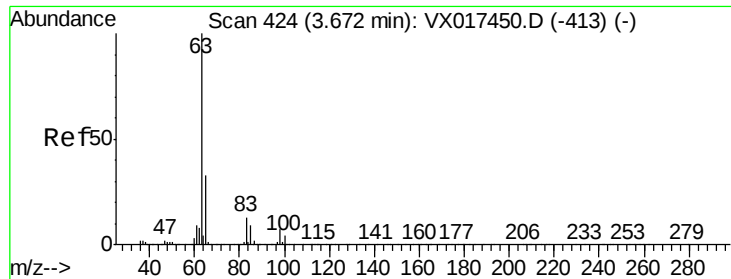
MMDadoda
7/22/2020 9:11:12 AM



#18
trans-1,2-Dichloroethene
Concen: 0.263 ug/L
RT: 3.14 min Scan# 337
Delta R.T. -0.00 min
Lab File: VX017459.D
Acq: 21 Jul 2020 17:10

Tgt Ion	Ratio	Lower	Upper
96	100		
61	119.1	99.8	185.4
98	51.2	46.4	86.2





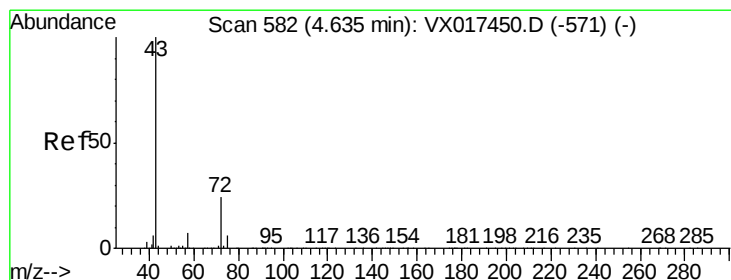
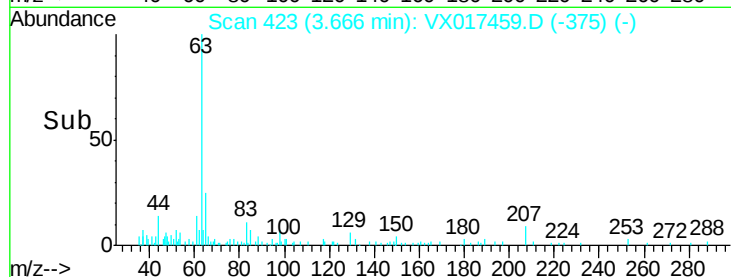
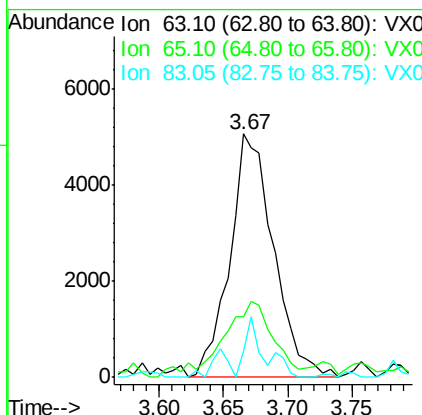
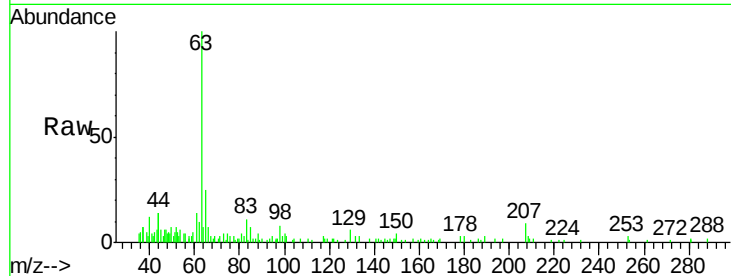
#19
 1,1-Dichloroethane
 Concen: 0.247 ug/L
 RT: 3.67 min Scan# 423
 Delta R.T. -0.01 min
 Lab File: VX017459.D
 Acq: 21 Jul 2020 17:10

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL05

Tot Ion:	63	Resp:	11936
Ion	Ratio	Lower	Upper
63	100		
65	24.7	23.2	43.2
83	10.5	9.4	17.4

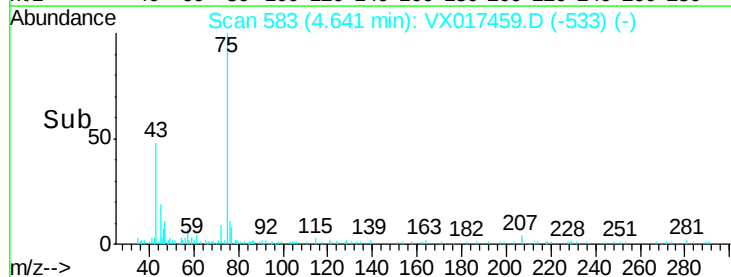
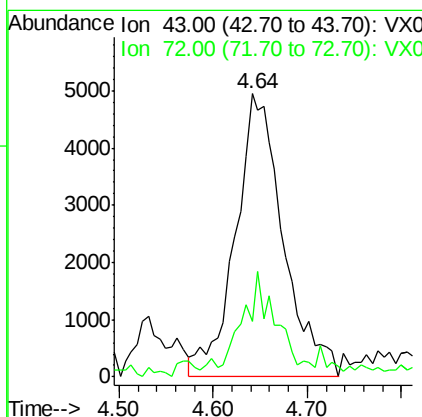
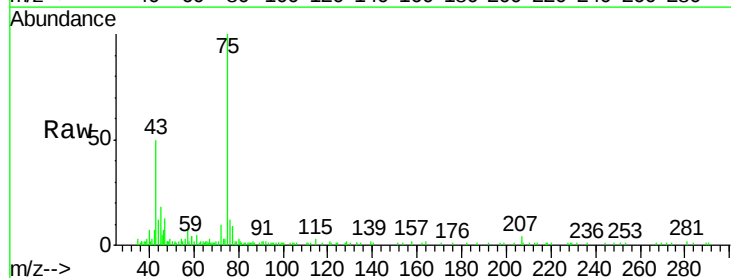
Manual Integrations
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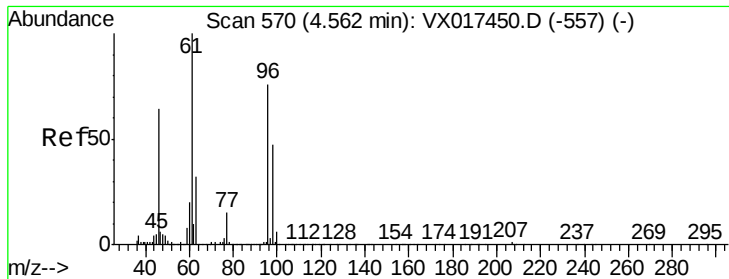
MMDadoda
 7/22/2020 9:11:12 AM



#21
 2-Butanone
 Concen: 2.587 ug/L
 RT: 4.64 min Scan# 583
 Delta R.T. 0.01 min
 Lab File: VX017459.D
 Acq: 21 Jul 2020 17:10

Tgt Ion:	43	Resp:	17593
Ion	Ratio	Lower	Upper
43	100		
72	24.8	12.1	36.3





#22

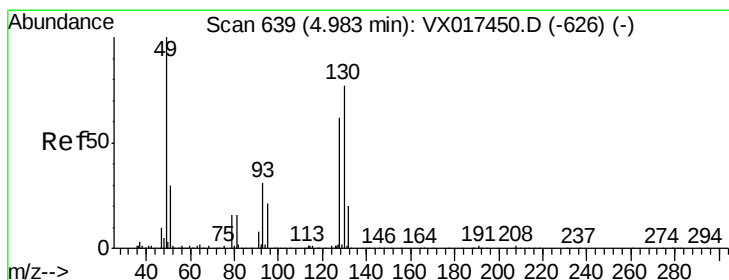
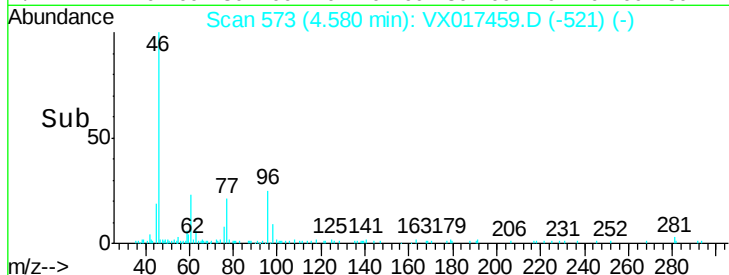
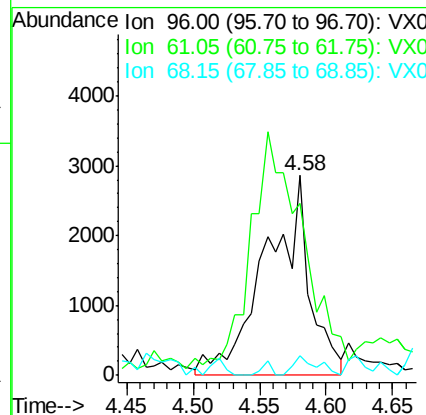
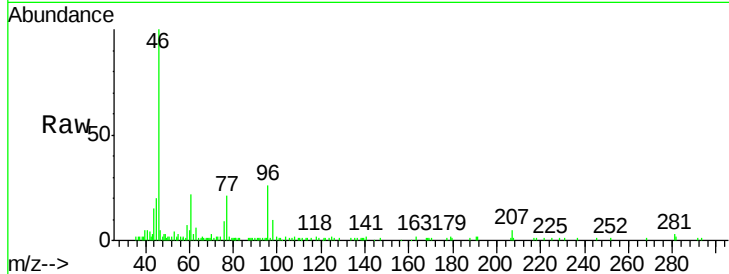
cis-1,2-Dichloroethene
Concen: 0.244 ug/L m
RT: 4.58 min Scan# 573
Delta R.T. 0.02 min
Lab File: VX017459.D
Acq: 21 Jul 2020 17:10

Instrument :
MSVOA_X
ClientSampleId :
MDL05

Tot Ion	Ratio	Lower	Upper
96	100		
61	85.9	91.6	170.2#
68	4.0	0.0	0.0#

Manual Integrations
APPROVED

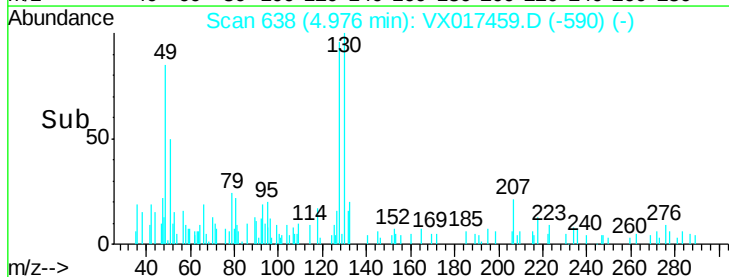
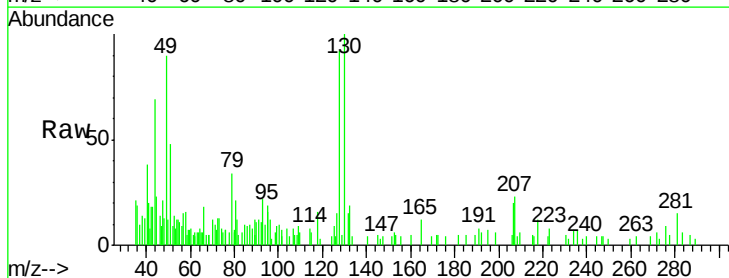
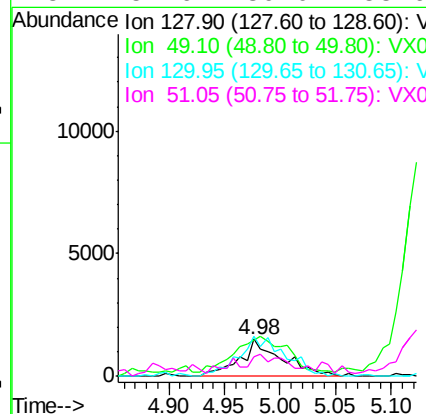
MMDadoda
7/22/2020 9:11:12 AM

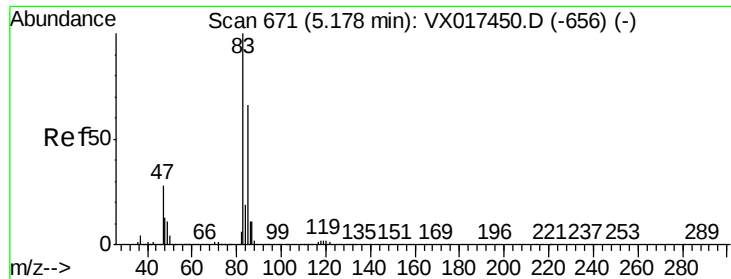


#23

Bromochloromethane
Concen: 0.293 ug/L
RT: 4.98 min Scan# 638
Delta R.T. -0.01 min
Lab File: VX017459.D
Acq: 21 Jul 2020 17:10

Tgt Ion	Ratio	Lower	Upper
128	100		
49	111.5	113.3	210.3#
130	109.2	87.3	162.1
51	52.6	39.0	58.6





#25

Chloroform

Concen: 0.316 ug/L

RT: 5.18 min Scan# 672

Delta R.T. 0.01 min

Lab File: VX017459.D

Acq: 21 Jul 2020 17:10

Instrument :

MSVOA_X

ClientSampled :

MDL05

Tot Ion: 83 Resp: 16042

Ion Ratio Lower Upper

83 100

85 62.7

46.2

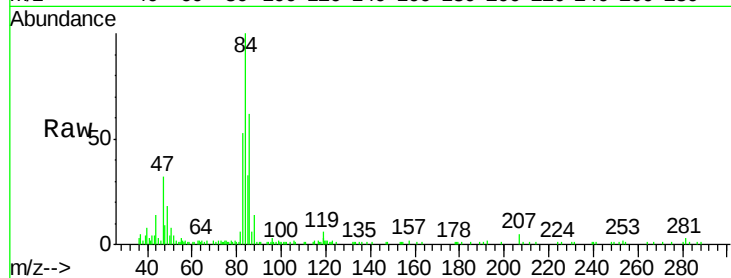
85.8

Manual Integrations

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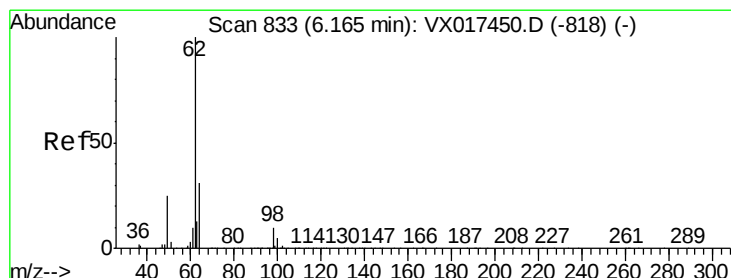
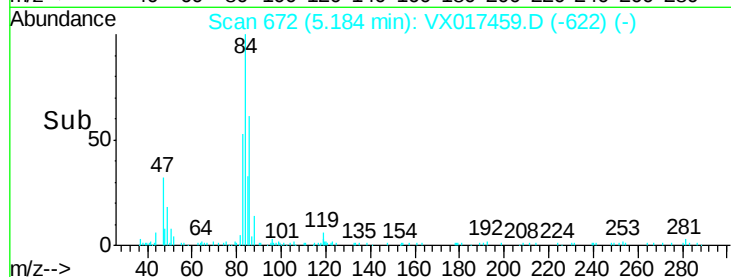
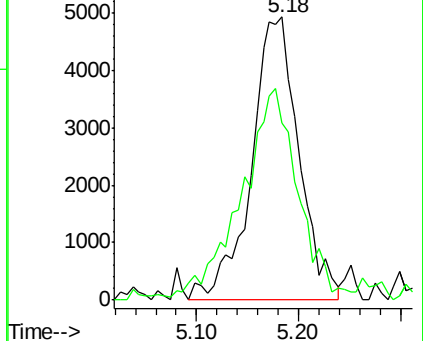
MMDadoda

7/22/2020 9:11:12 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: 0.240 ug/L

RT: 6.17 min Scan# 833

Delta R.T. -0.00 min

Lab File: VX017459.D

Acq: 21 Jul 2020 17:10

Tgt Ion: 62 Resp: 7823

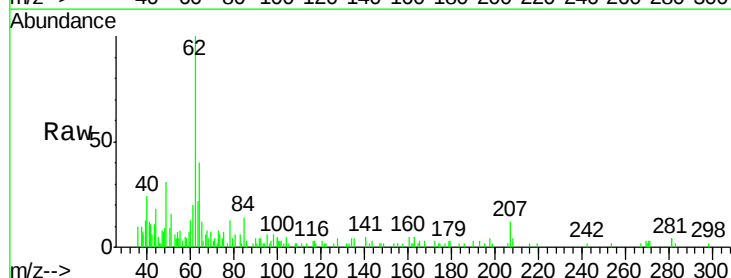
Ion Ratio Lower Upper

62 100

98 5.8

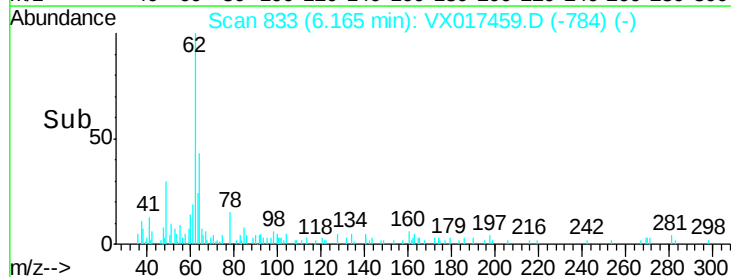
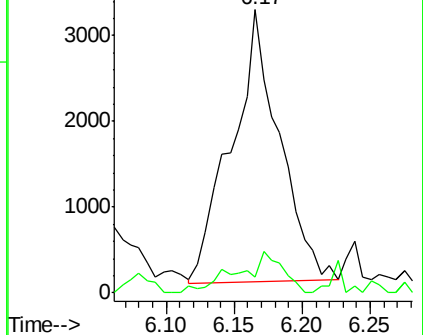
7.7

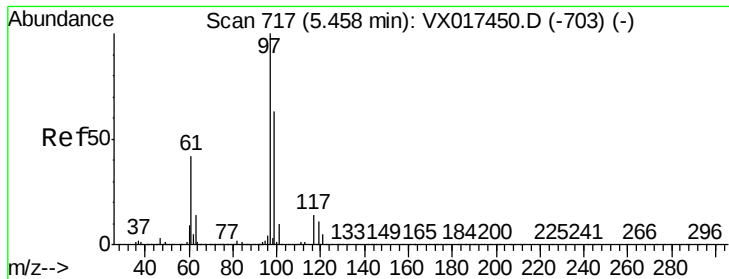
11.5#



Abundance Ion 62.00 (61.70 to 62.70): VX0

Ion 98.05 (97.75 to 98.75): VX0





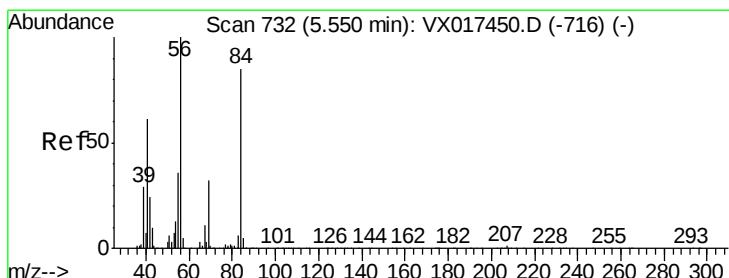
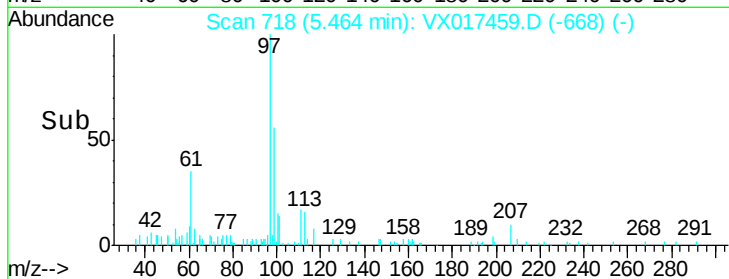
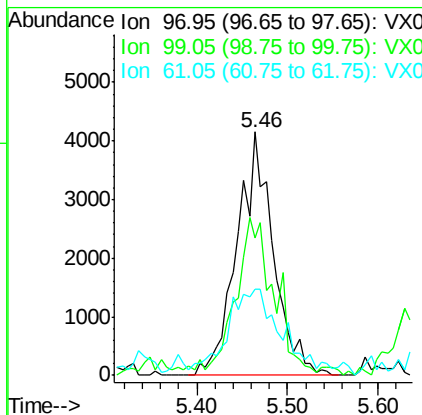
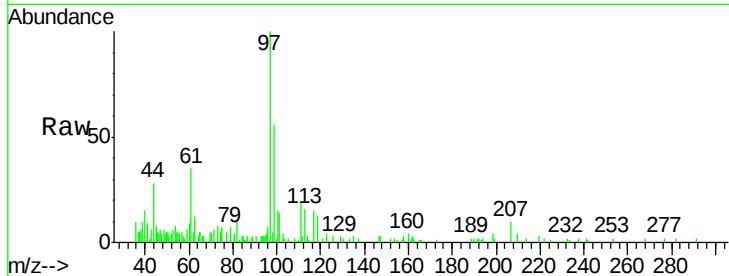
#29
 1,1,1-Trichloroethane
 Concen: 0.249 ug/L
 RT: 5.46 min Scan# 718
 Delta R.T. 0.01 min
 Lab File: VX017459.D
 Acq: 21 Jul 2020 17:10

Instrument :
 MSVOA_X
 ClientSampled :
 MDL05

Tot Ion	Ratio	Resp	Lower	Upper
97	100	11549		
99	69.4		53.0	79.4
61	45.5		35.2	52.8

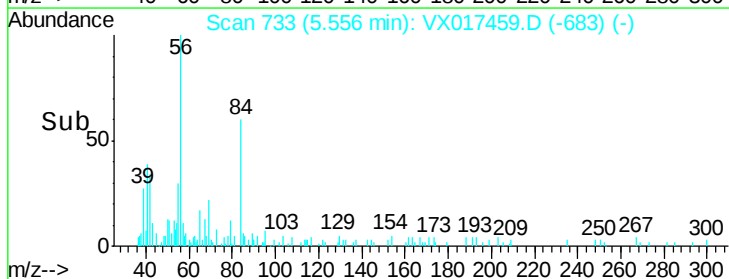
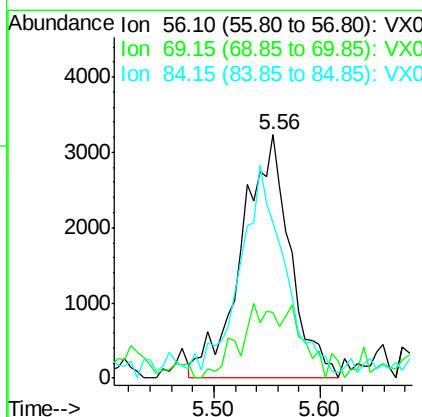
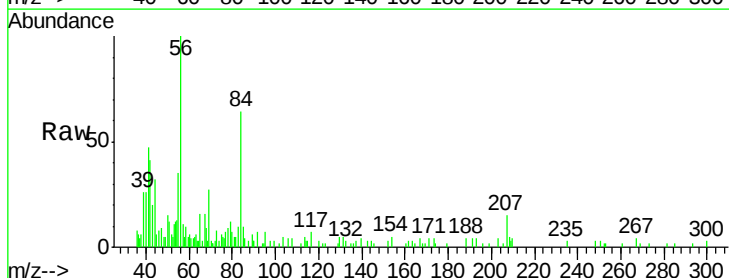
Manual Integrations
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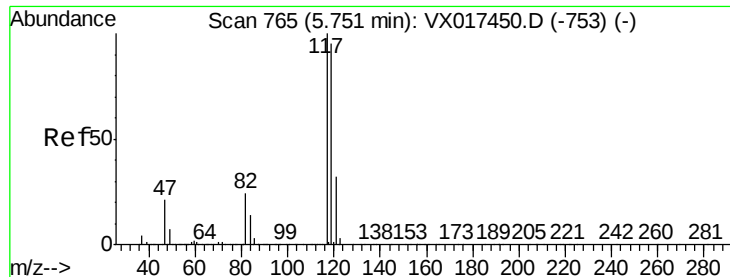
MMDadoda
 7/22/2020 9:11:12 AM



#30
 Cyclohexane
 Concen: 0.275 ug/L
 RT: 5.56 min Scan# 733
 Delta R.T. 0.01 min
 Lab File: VX017459.D
 Acq: 21 Jul 2020 17:10

Tgt Ion	Ratio	Resp	Lower	Upper
56	100	10288		
69	23.3		25.4	38.2#
84	76.6		69.3	103.9





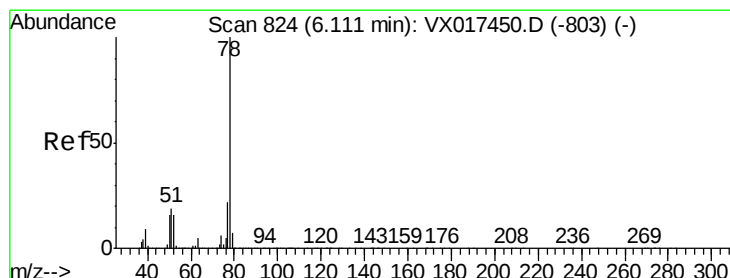
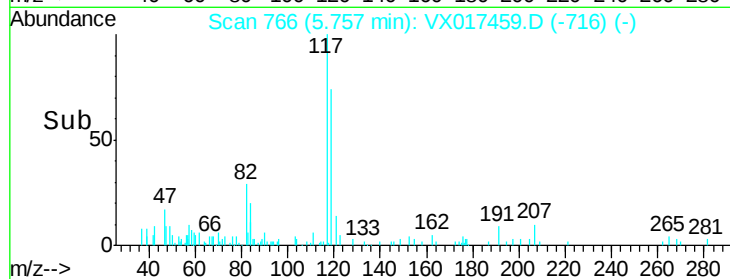
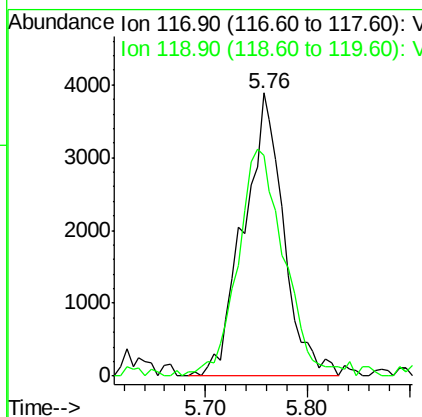
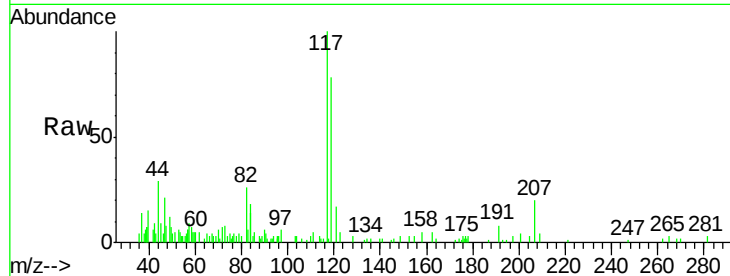
#31
Carbon tetrachloride
Concen: 0.254 ug/L
RT: 5.76 min Scan# 766
Delta R.T. 0.01 min
Lab File: VX017459.D
Acq: 21 Jul 2020 17:10

Instrument :
MSVOA_X
ClientSampleId :
MDL05

Tot Ion:117 Resp: 10611
Ion Ratio Lower Upper
117 100
119 92.1 78.5 117.7

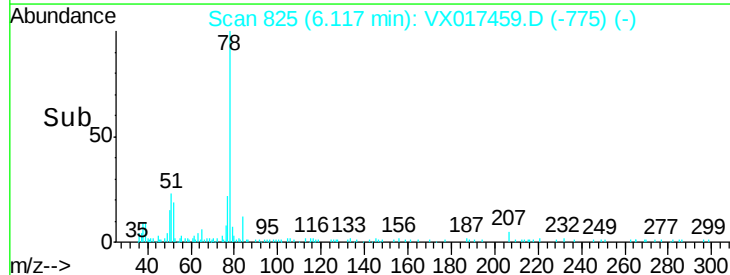
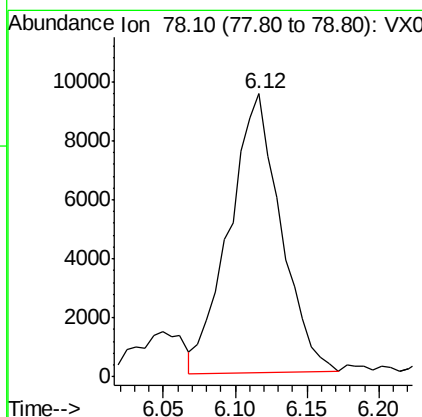
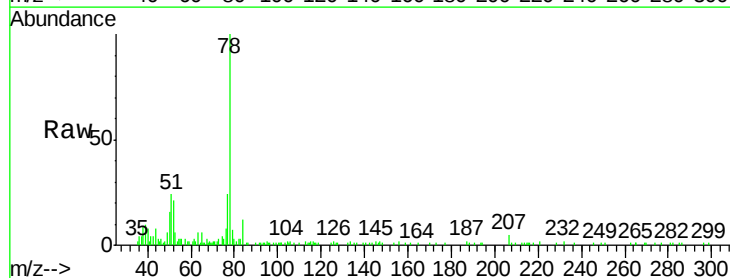
Manual Integrations
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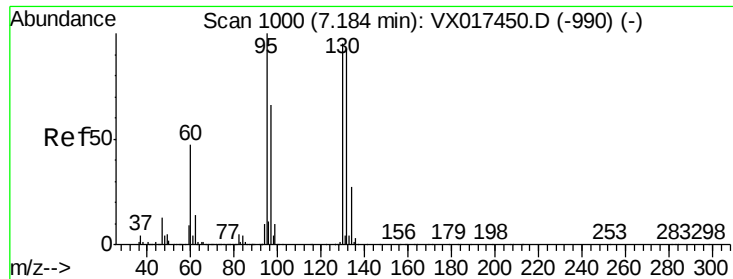
MMDadoda
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#33
Benzene
Concen: 0.230 ug/L
RT: 6.12 min Scan# 825
Delta R.T. 0.01 min
Lab File: VX017459.D
Acq: 21 Jul 2020 17:10

Tgt Ion: 78 Resp: 23416





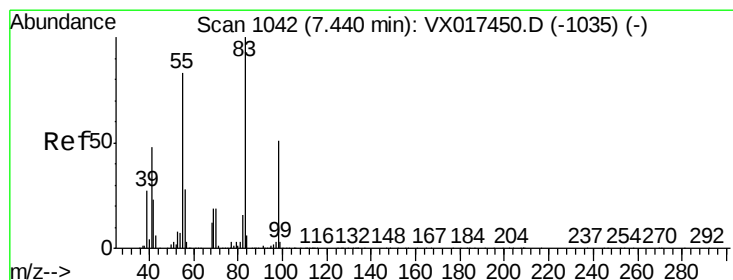
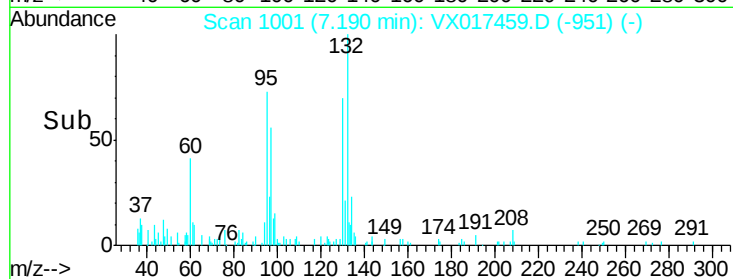
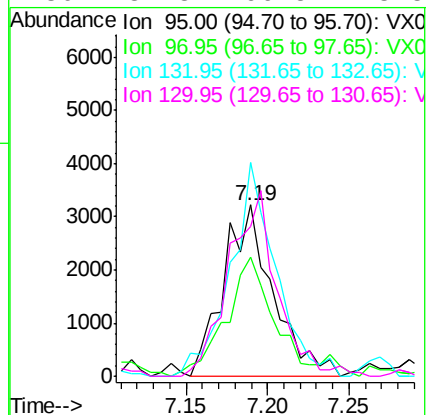
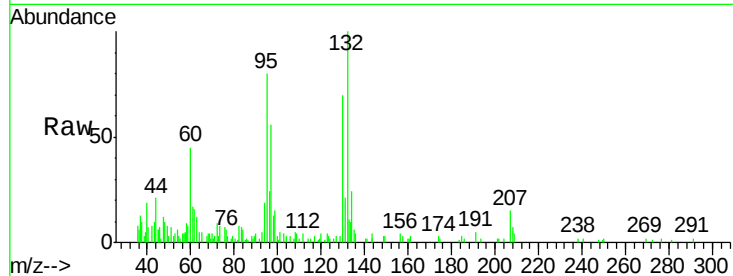
#34
Trichloroethene
Concen: 0.248 ug/L
RT: 7.19 min Scan# 1001
Delta R.T. 0.01 min
Lab File: VX017459.D
Acq: 21 Jul 2020 17:10

Instrument :
MSVOA_X
ClientSampleId :
MDL05

Tot Ion	95	Resp:	6795
Ion Ratio	Lower	Upper	
95	100		
97	69.9	45.9	85.3
132	124.9	65.5	121.7#
130	87.8	66.5	123.5

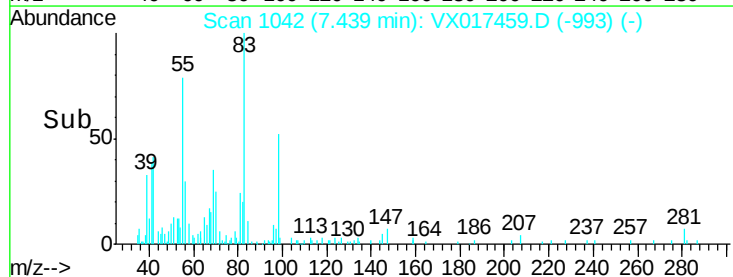
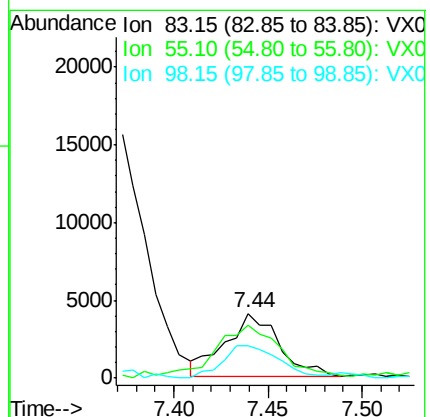
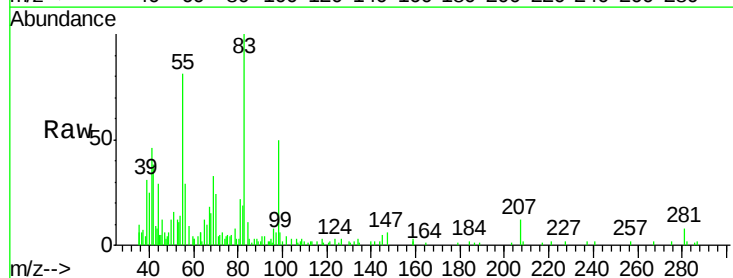
Manual Integrations
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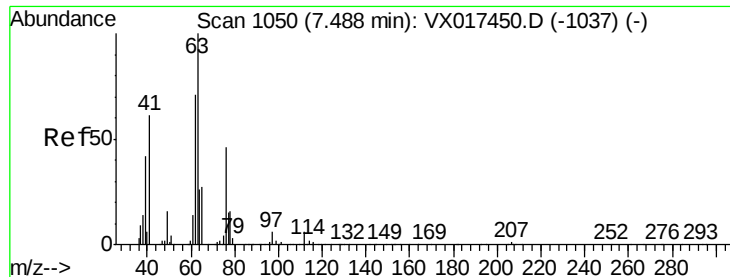
MMDadoda
7/22/2020 9:11:12 AM



#35
Methylcyclohexane
Concen: 0.214 ug/L
RT: 7.44 min Scan# 1042
Delta R.T. -0.00 min
Lab File: VX017459.D
Acq: 21 Jul 2020 17:10

Tgt Ion	83	Resp:	7947
Ion Ratio	Lower	Upper	
83	100		
55	106.5	65.4	98.2#
98	54.7	39.8	59.8





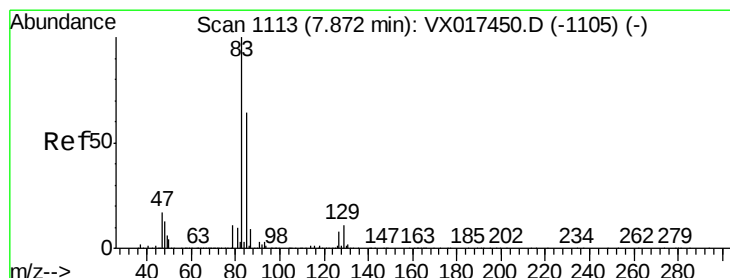
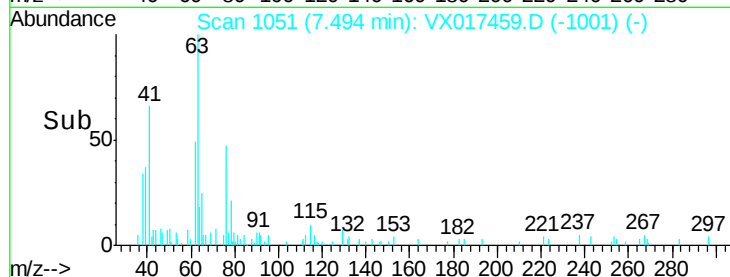
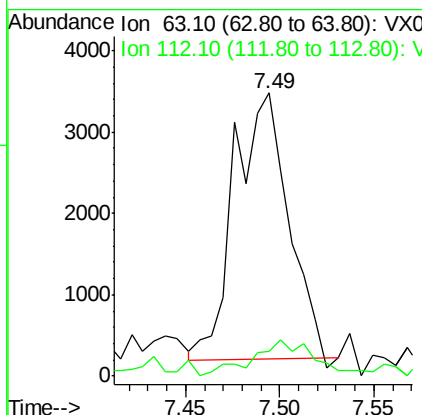
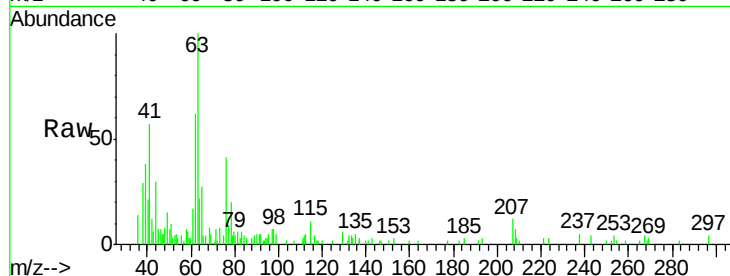
#37
 1,2-Dichloropropane
 Concen: 0.254 ug/L
 RT: 7.49 min Scan# 1051
 Delta R.T. 0.01 min
 Lab File: VX017459.D
 Acq: 21 Jul 2020 17:10

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL05

Tot Ion	Ratio	Lower	Upper
63	100		
112	15.6	3.8	5.8#

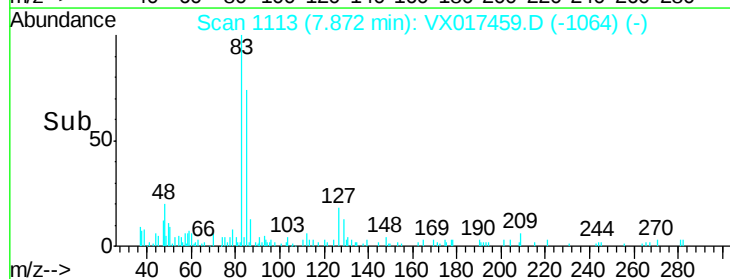
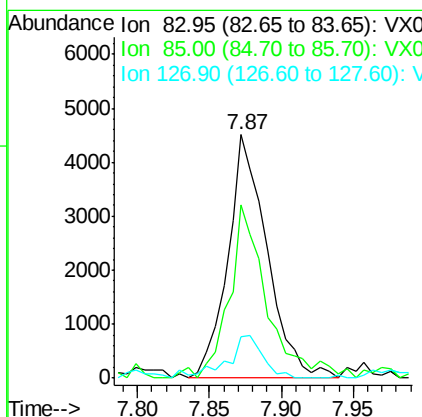
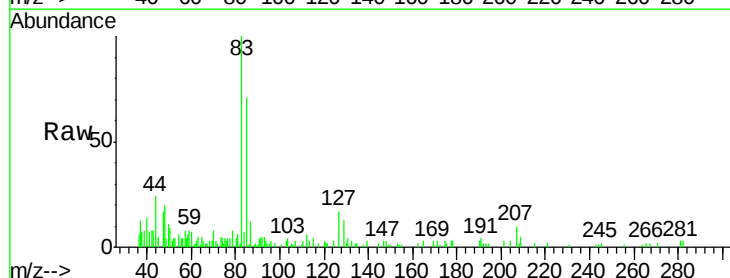
Manual Integrations
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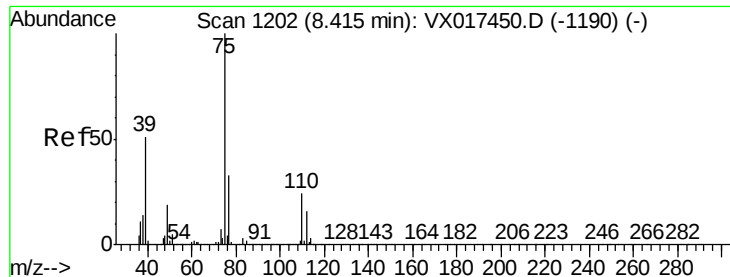
MMDadoda
 7/22/2020 9:11:12 AM



#38
 Bromodichloromethane
 Concen: 0.251 ug/L
 RT: 7.87 min Scan# 1113
 Delta R.T. -0.00 min
 Lab File: VX017459.D
 Acq: 21 Jul 2020 17:10

Tgt Ion	Ratio	Lower	Upper
83	100		
85	71.1	44.7	83.1
127	17.0	6.3	9.5#





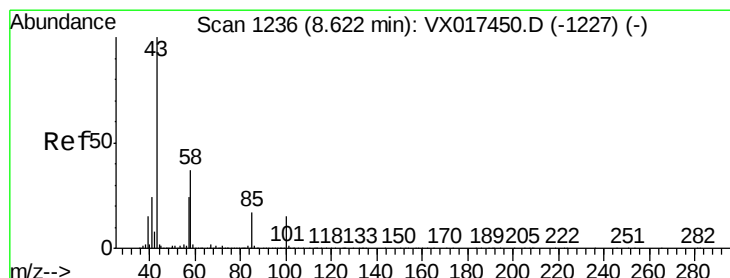
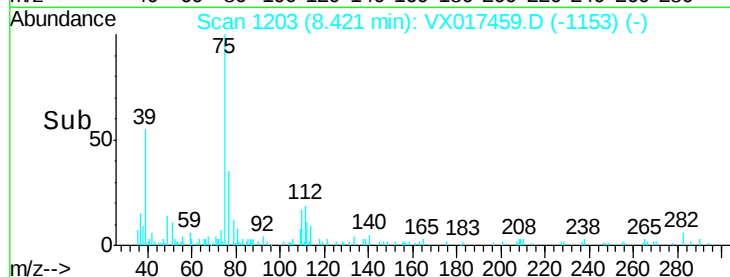
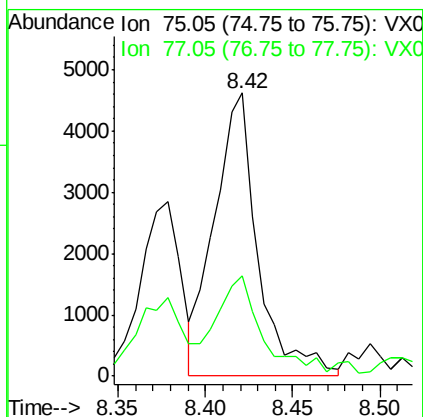
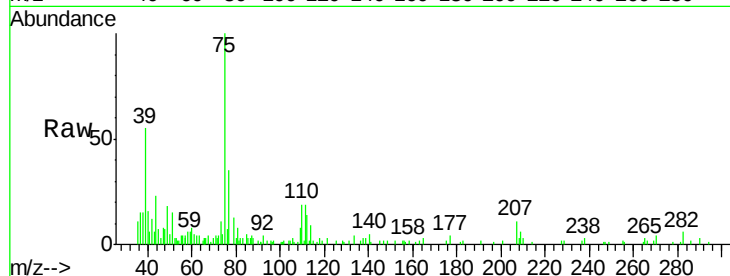
#39
 cis-1,3-Dichloropropene
 Concen: 0.218 ug/L
 RT: 8.42 min Scan# 1203
 Delta R.T. 0.01 min
 Lab File: VX017459.D
 Acq: 21 Jul 2020 17:10

Instrument :
 MSVOA_X
 ClientSampled :
 MDL05

Tot Ion: 75 Resp: 8039
 Ion Ratio Lower Upper
 75 100
 77 35.5 23.1 42.9

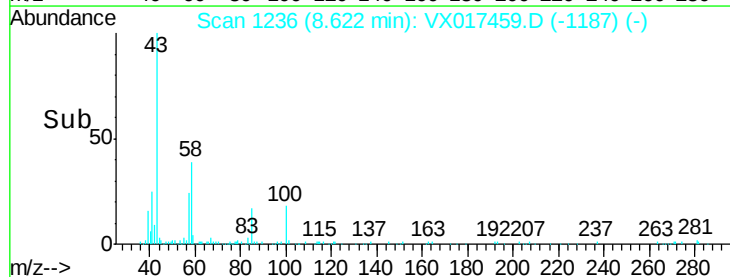
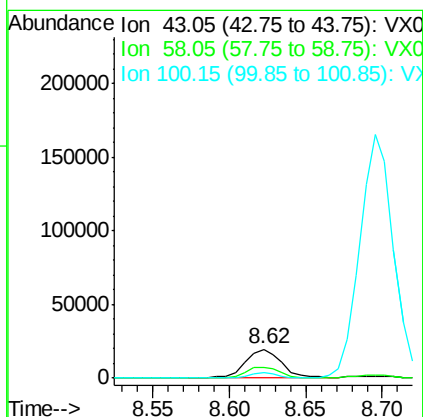
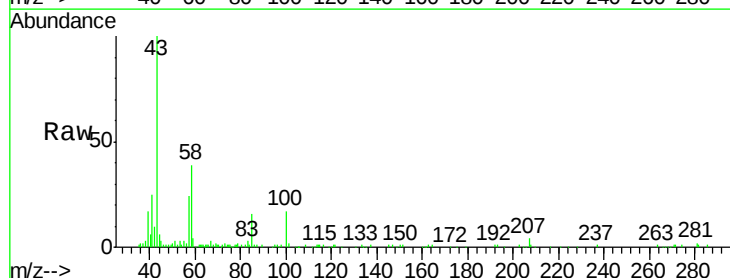
Manual Integrations
 APPROVED

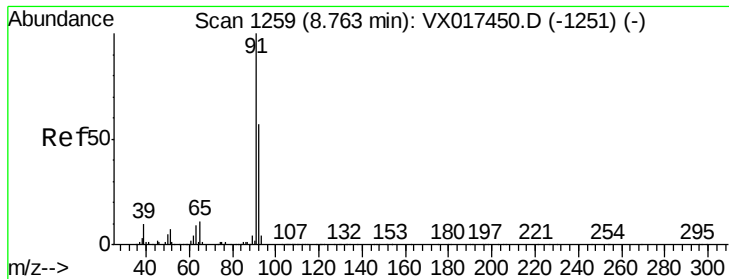
MMDadoda
 7/22/2020 9:11:12 AM



#40
 4-Methyl-2-pentanone
 Concen: 2.121 ug/L
 RT: 8.62 min Scan# 1236
 Delta R.T. -0.00 min
 Lab File: VX017459.D
 Acq: 21 Jul 2020 17:10

Tgt Ion: 43 Resp: 31683
 Ion Ratio Lower Upper
 43 100
 58 38.9 30.1 45.1
 100 0.0 6.5 9.7#





#42

Toluene

Concen: 0.261 ug/L

RT: 8.77 min Scan# 1260

Delta R.T. 0.01 min

Lab File: VX017459.D

Acq: 21 Jul 2020 17:10

Instrument :

MSVOA_X

ClientSampleId :

MDL05

Tot Ion: 91 Resp: 26561

Ion Ratio Lower Upper

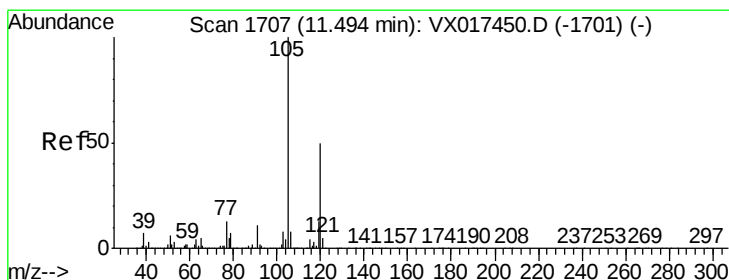
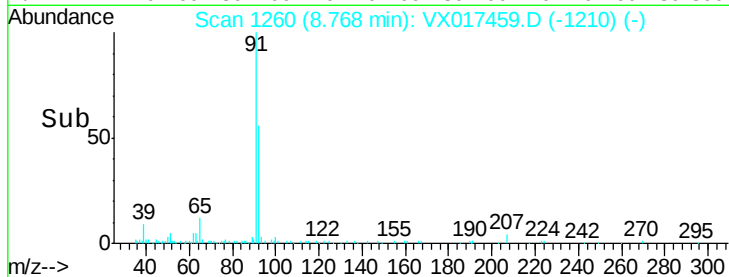
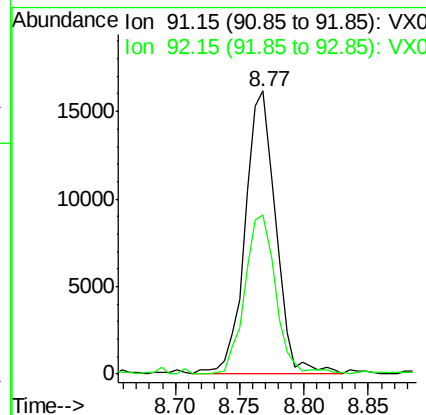
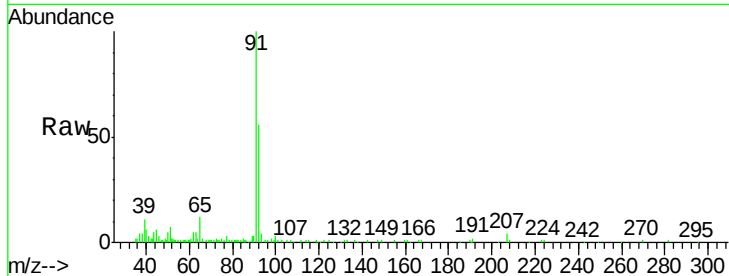
91 100

92 56.4 39.9 74.1

Manual Integrations
APPROVED

MMDadoda

7/22/2020 9:11:12 AM



#43

1,3,5-Trimethylbenzene

Concen: 0.168 ug/L

RT: 11.49 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VX017459.D

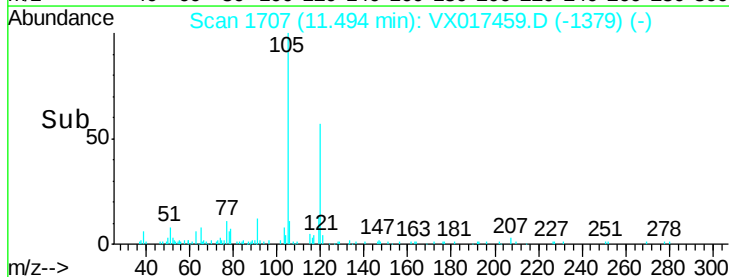
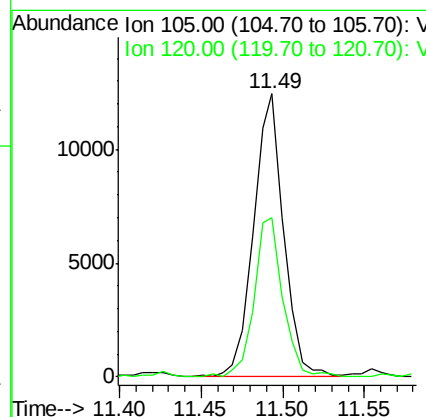
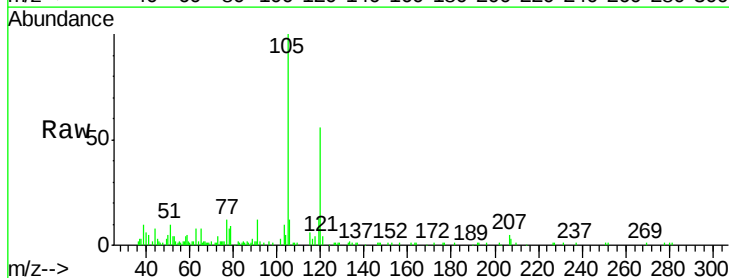
Acq: 21 Jul 2020 17:10

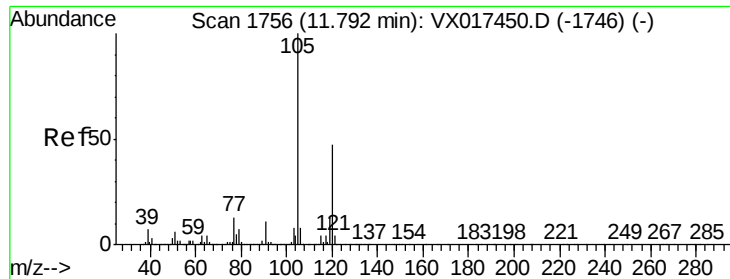
Tgt Ion: 105 Resp: 15979

Ion Ratio Lower Upper

105 100

120 54.0 38.2 57.2





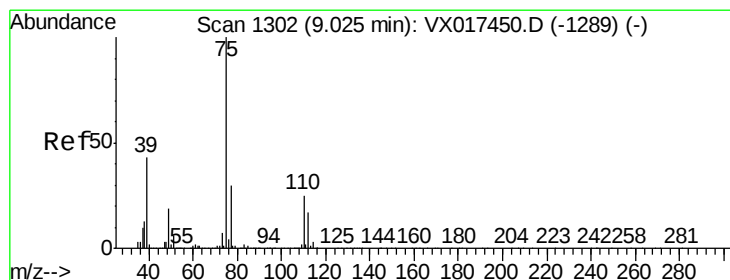
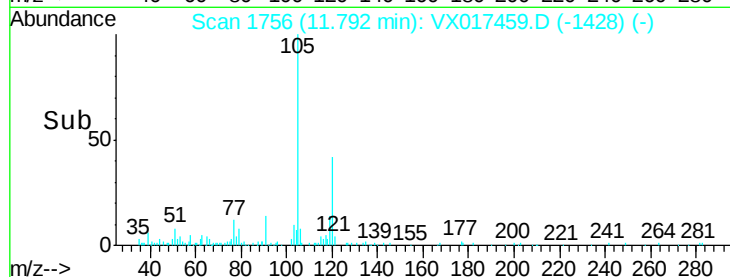
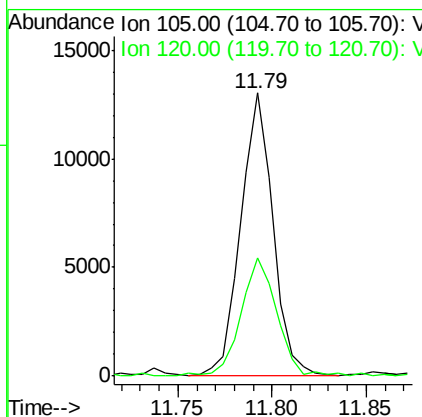
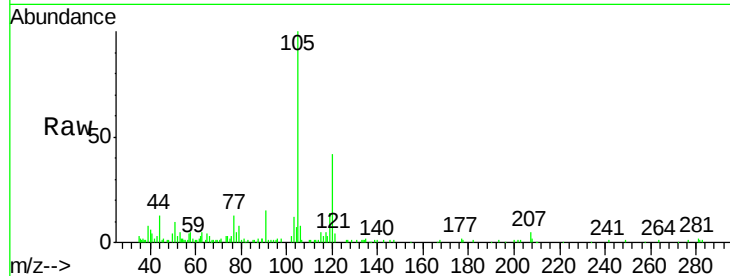
#44
1,2,4-Trimethylbenzene
Concen: 0.165 ug/L
RT: 11.79 min Scan# 1756
Delta R.T. -0.00 min
Lab File: VX017459.D
Acq: 21 Jul 2020 17:10

Instrument :
MSVOA_X
ClientSampled :
MDL05

Tot Ion	Ratio	Lower	Upper
105	100		
120	47.5	36.5	54.7

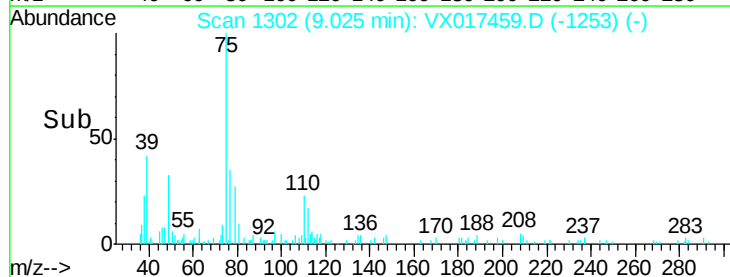
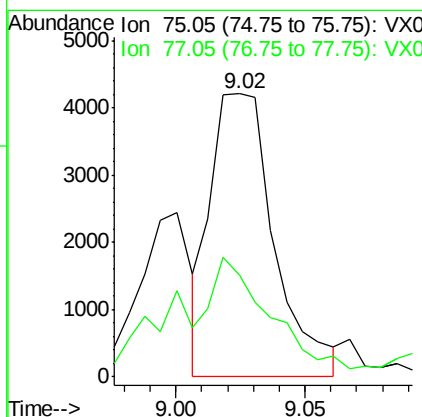
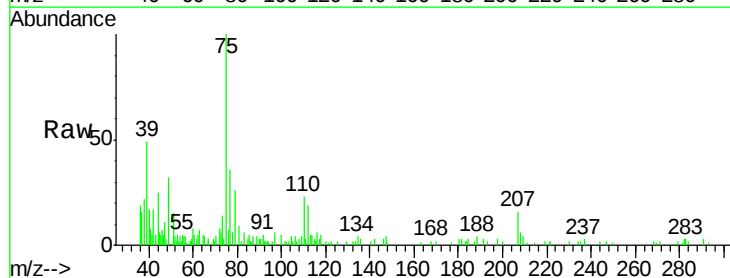
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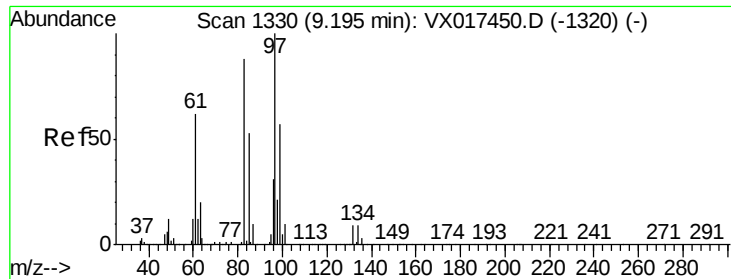
MMDadoda
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#46
trans-1,3-Dichloropropene
Concen: 0.228 ug/L m
RT: 9.02 min Scan# 1302
Delta R.T. -0.00 min
Lab File: VX017459.D
Acq: 21 Jul 2020 17:10

Tgt Ion	Ratio	Lower	Upper
75	100		
77	35.8	21.4	39.8





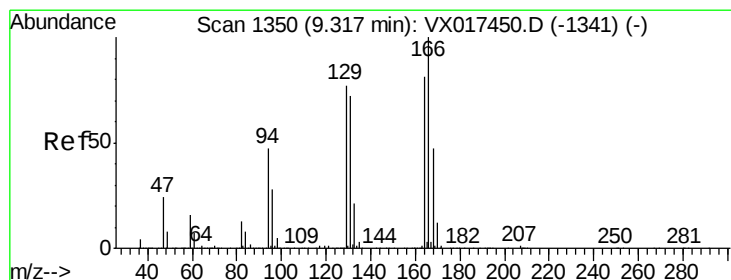
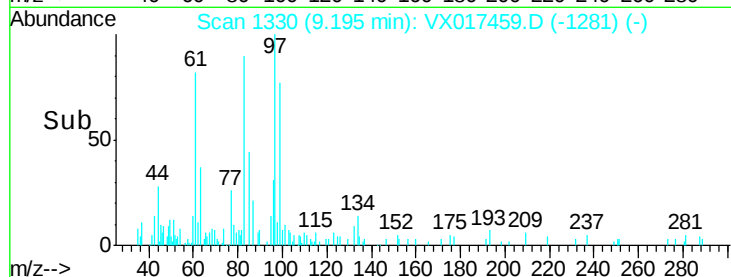
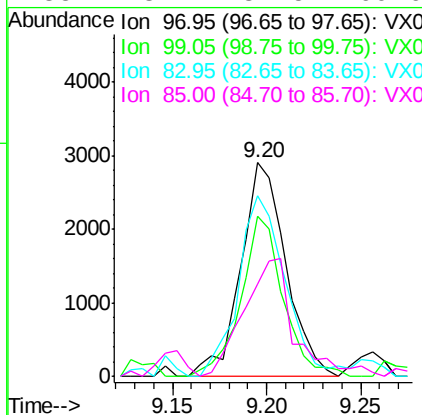
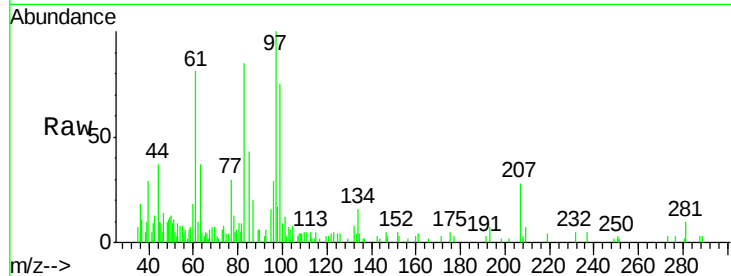
#47
 1,1,2-Trichloroethane
 Concen: 0.275 ug/L
 RT: 9.20 min Scan# 1330
 Delta R.T. -0.00 min
 Lab File: VX017459.D
 Acq: 21 Jul 2020 17:10

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL05

Tot Ion	Ratio	Lower	Upper
97	100		
99	75.2	40.2	74.6#
83	84.8	61.6	114.4
85	43.1	37.5	69.6

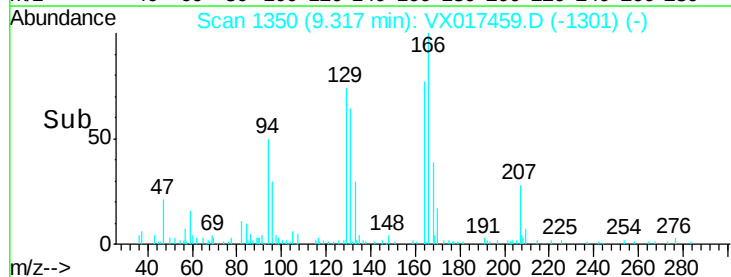
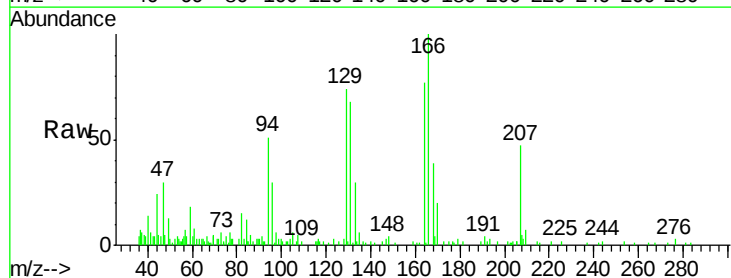
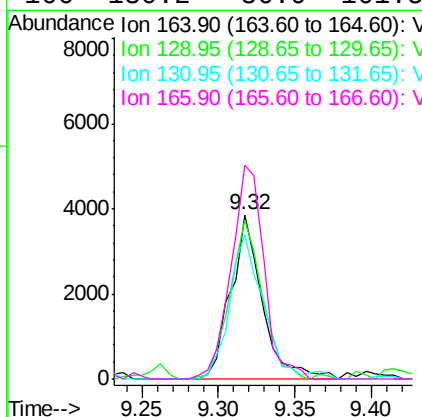
Manual Integrations
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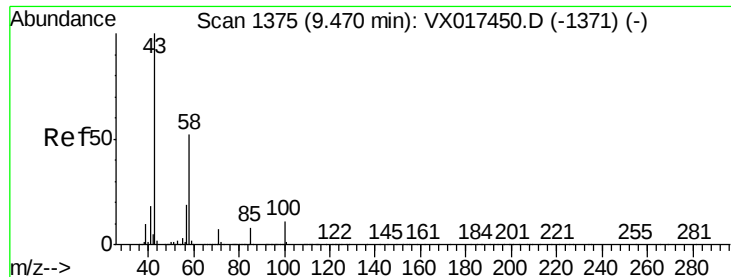
MMDadoda
 7/22/2020 9:11:12 AM



#49
 Tetrachloroethene
 Concen: 0.249 ug/L
 RT: 9.32 min Scan# 1350
 Delta R.T. -0.00 min
 Lab File: VX017459.D
 Acq: 21 Jul 2020 17:10

Tgt Ion	Ratio	Lower	Upper
164	100		
129	96.7	66.6	123.8
131	88.1	62.6	116.2
166	130.2	86.9	161.5





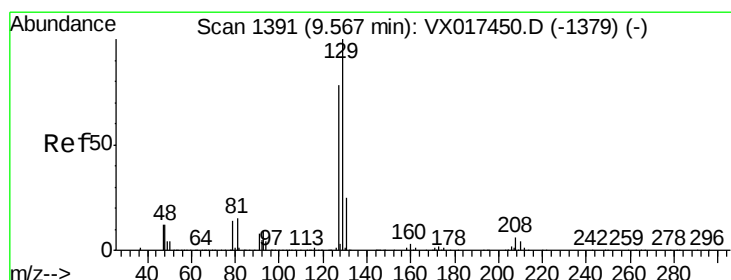
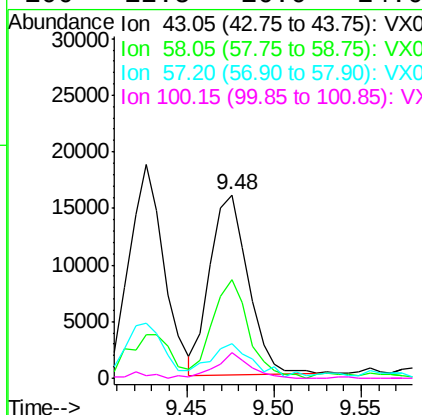
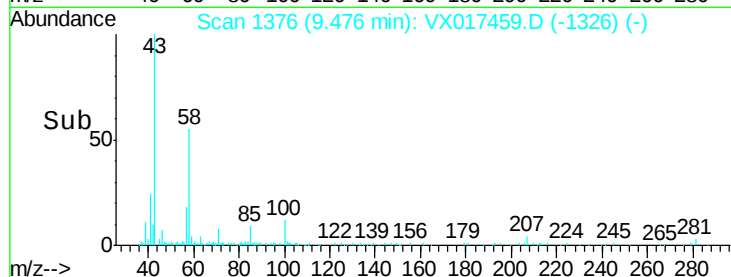
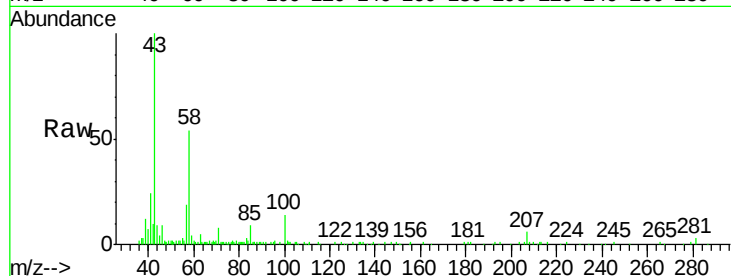
#50
2-Hexanone
Concen: 2.236 ug/L
RT: 9.48 min Scan# 1376
Delta R.T. 0.01 min
Lab File: VX017459.D
Acq: 21 Jul 2020 17:10

Instrument :
MSVOA_X
ClientSampled :
MDL05

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100		24378		
58	51.5	41.4	62.0		
57	22.1	26.9	40.3#		
100	12.5	16.0	24.0#		

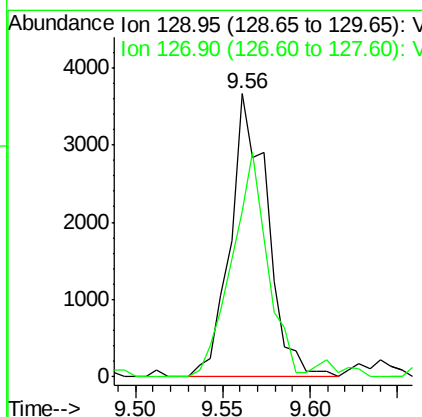
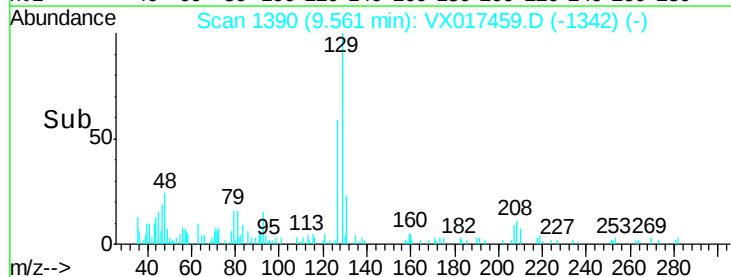
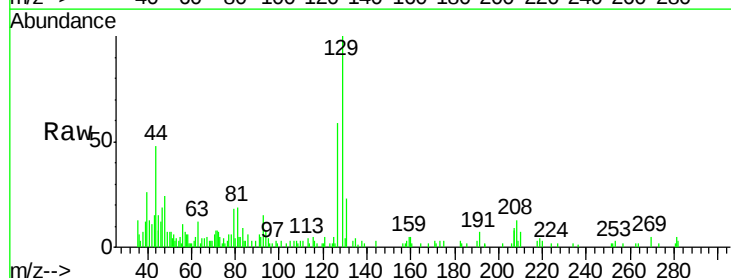
Manual Integrations
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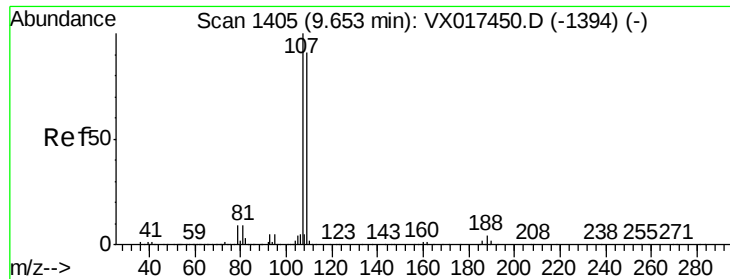
MMDadoda
7/22/2020 9:11:12 AM



#51
Dibromochloromethane
Concen: 0.225 ug/L
RT: 9.56 min Scan# 1390
Delta R.T. -0.01 min
Lab File: VX017459.D
Acq: 21 Jul 2020 17:10

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
129	100		5398		
127	58.6	54.7	101.5		





#52

1,2-Dibromoethane

Concen: 0.268 ug/L

RT: 9.65 min Scan# 1405

Delta R.T. -0.00 min

Lab File: VX017459.D

Acq: 21 Jul 2020 17:10

Instrument :

MSVOA_X

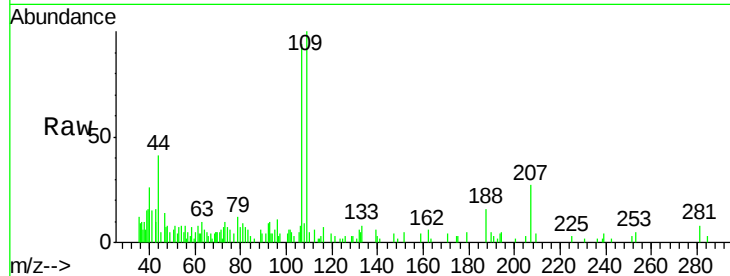
ClientSampleId :

MDL05

Tot Ion:	107	Resp:	4634
Ion Ratio	Lower	Upper	
107	100		
109	106.7	63.9	118.7
188	16.7	3.0	4.4#

Manual Integrations
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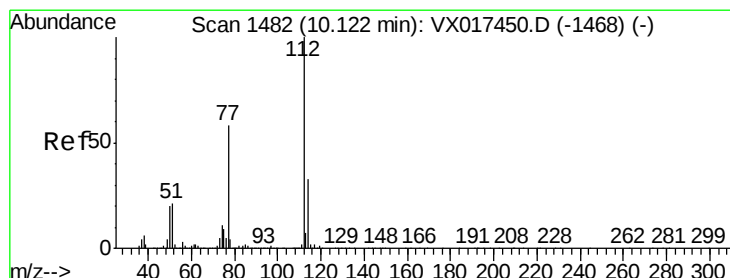
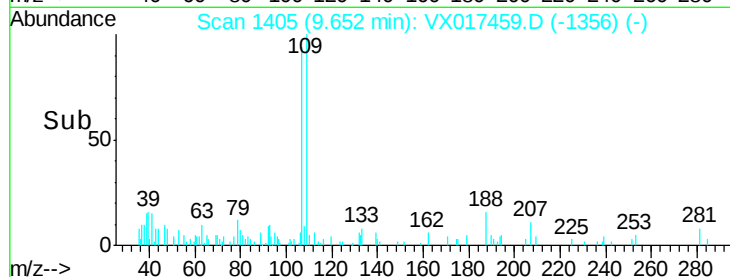
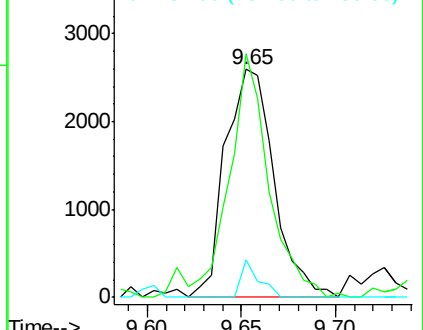
MMDadoda
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Abundance Ion 106.95 (106.65 to 107.65): V

Ion 109.00 (108.70 to 109.70): V

Ion 187.90 (187.60 to 188.60): V



#53

Chlorobenzene

Concen: 0.247 ug/L

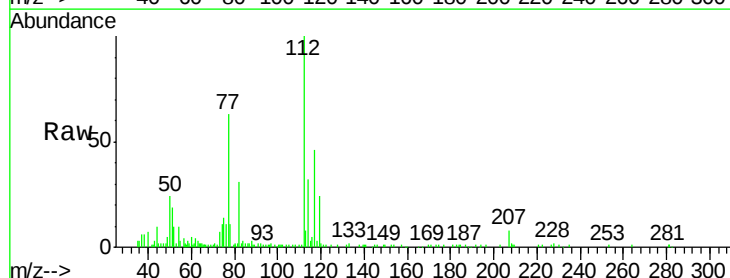
RT: 10.12 min Scan# 1482

Delta R.T. -0.00 min

Lab File: VX017459.D

Acq: 21 Jul 2020 17:10

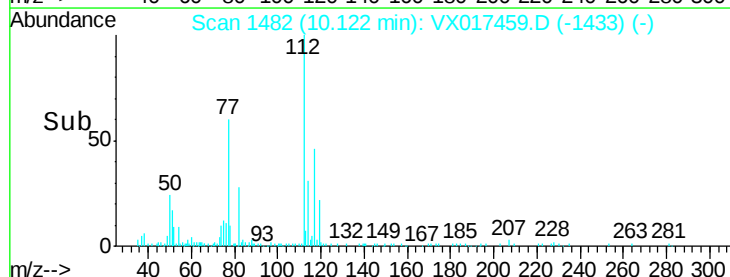
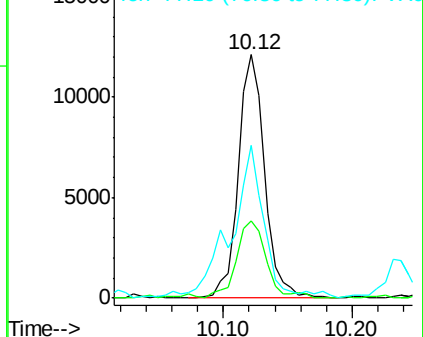
Tgt Ion:	112	Resp:	17112
Ion Ratio	Lower	Upper	
112	100		
114	31.7	23.1	42.9
77	62.6	46.2	69.2

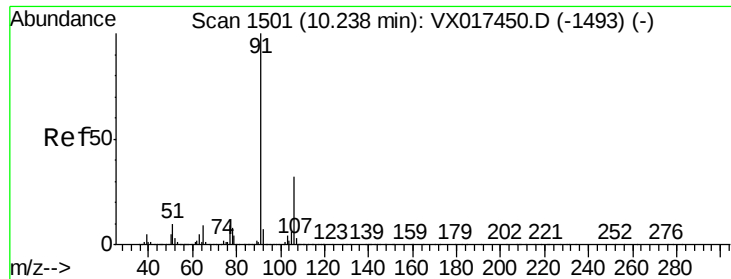


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): V





#54

Ethylbenzene

Concen: 0.218 ug/L

RT: 10.24 min Scan# 1501

Delta R.T. -0.00 min

Lab File: VX017459.D

Acq: 21 Jul 2020 17:10

Instrument :

MSVOA_X

ClientSampleId :

MDL05

Tot Ion: 91 Resp: 24118

Ion Ratio Lower Upper

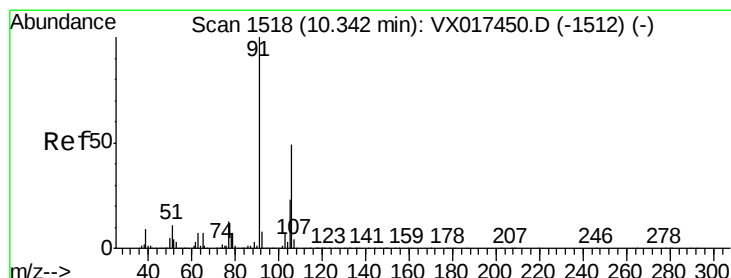
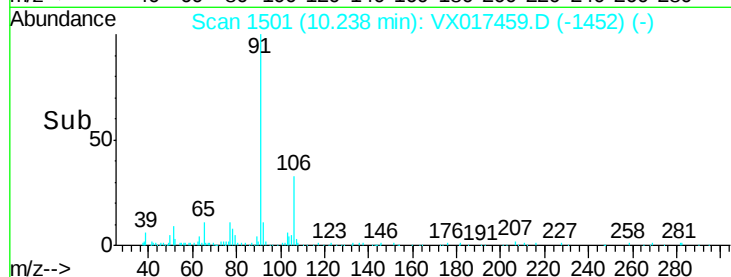
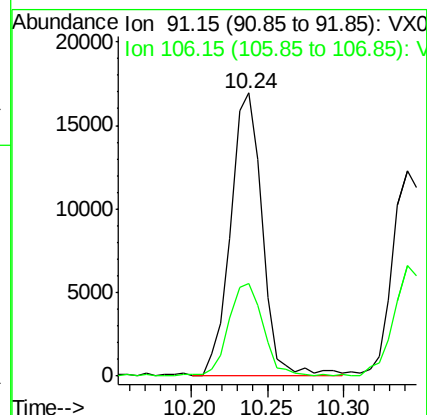
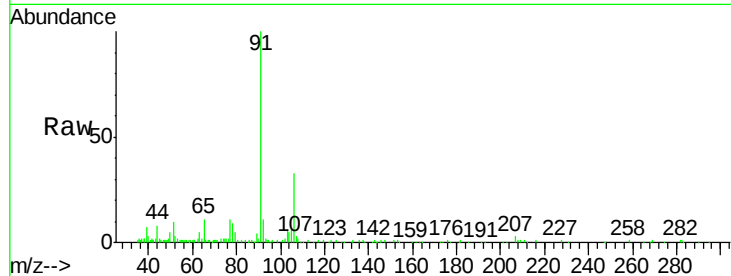
91 100

106 32.9 22.5 41.7

Manual Integrations
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MMDadoda

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#55

m,p-xylene

Concen: 0.213 ug/L

RT: 10.34 min Scan# 1518

Delta R.T. -0.00 min

Lab File: VX017459.D

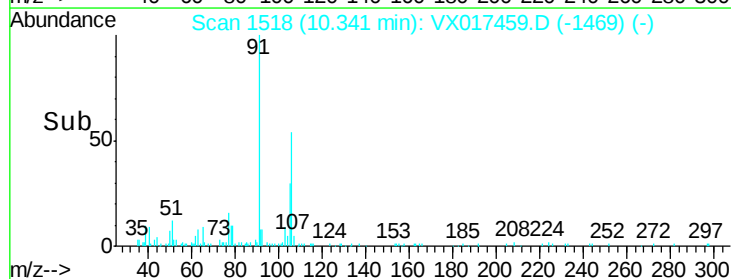
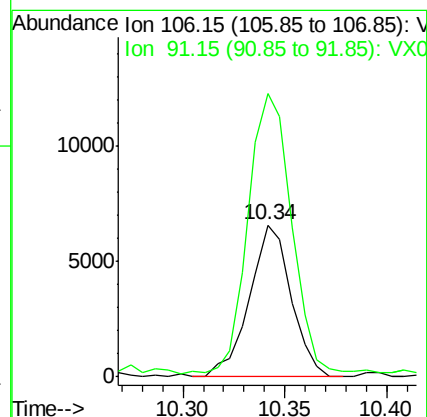
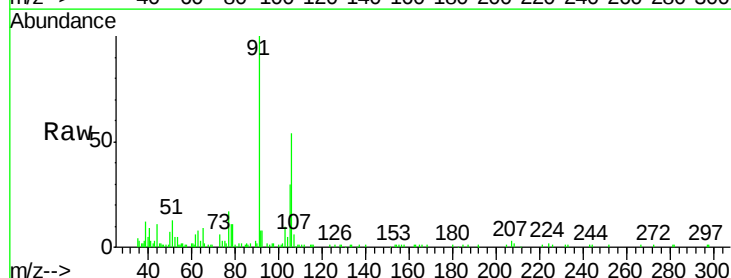
Acq: 21 Jul 2020 17:10

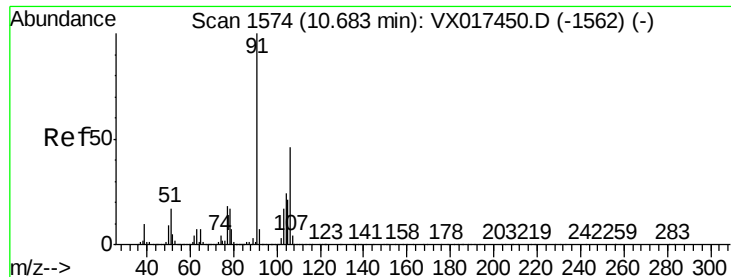
Tgt Ion: 106 Resp: 9386

Ion Ratio Lower Upper

106 100

91 186.0 142.7 264.9





#56

o-xylene

Concen: 0.202 ug/L

RT: 10.68 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VX017459.D

Acq: 21 Jul 2020 17:10

Instrument :

MSVOA_X

ClientSampled :

MDL05

Tot Ion:106 Resp: 8645

Ion Ratio Lower Upper

106 100

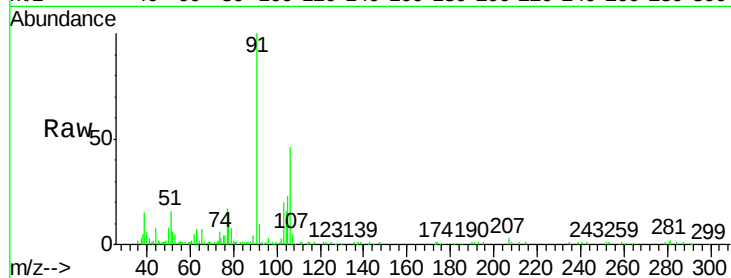
91 218.0 153.4 284.8

Manual Integrations

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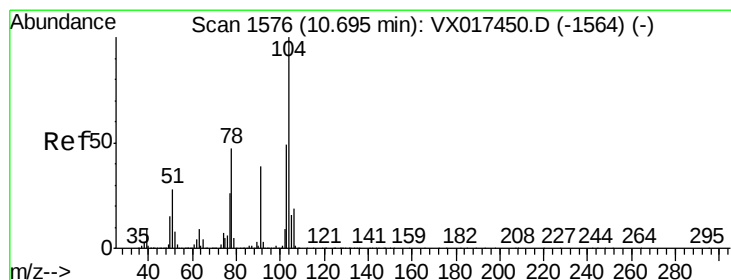
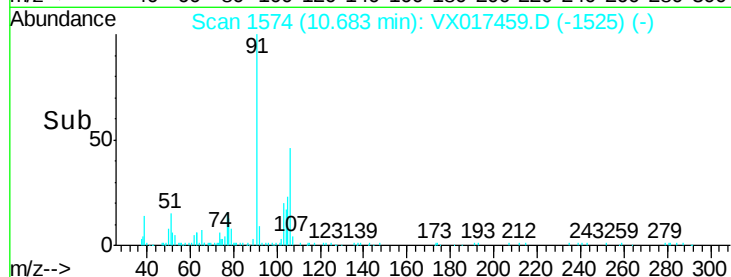
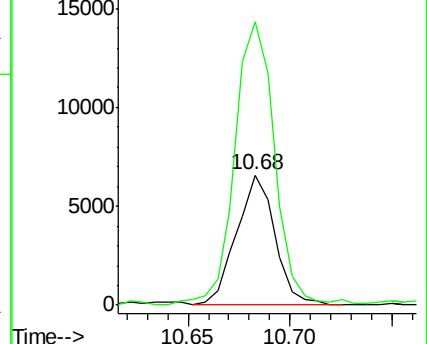
MMDadoda

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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: 0.195 ug/L

RT: 10.69 min Scan# 1576

Delta R.T. -0.00 min

Lab File: VX017459.D

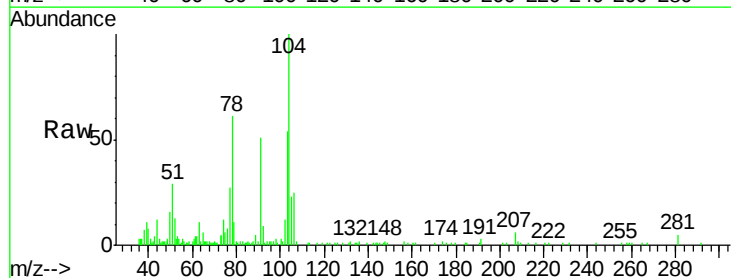
Acq: 21 Jul 2020 17:10

Tgt Ion:104 Resp: 13909

Ion Ratio Lower Upper

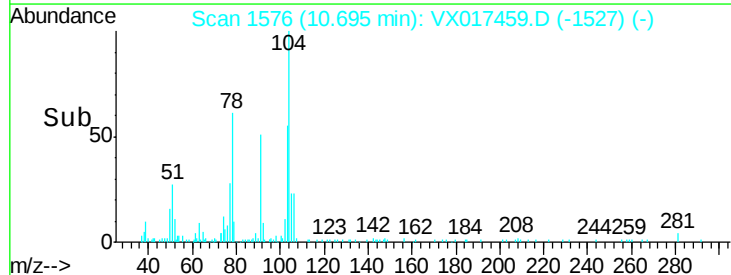
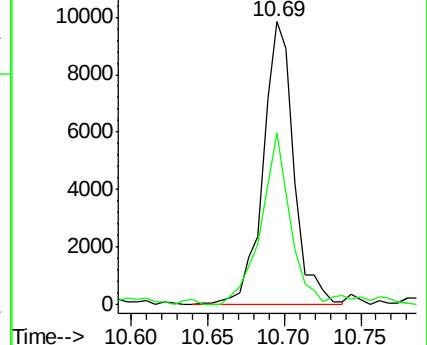
104 100

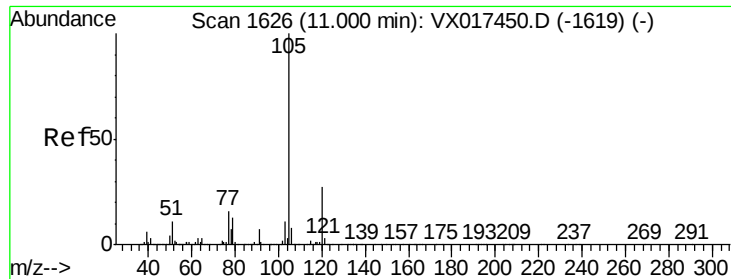
78 61.0 32.6 60.6#



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VX0





#58

Isopropylbenzene

Concen: 0.235 ug/L

RT: 11.00 min Scan# 1626

Delta R.T. -0.00 min

Lab File: VX017459.D

Acq: 21 Jul 2020 17:10

Instrument :

MSVOA_X

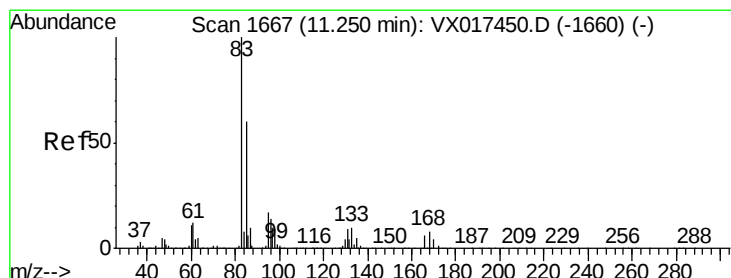
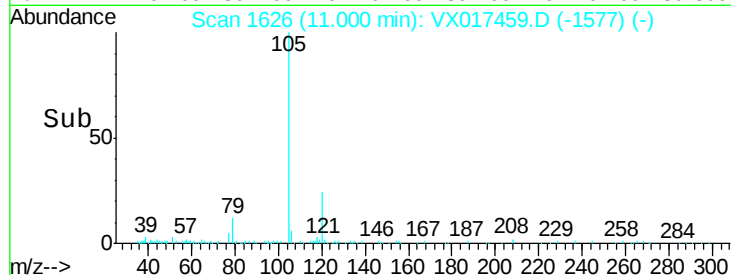
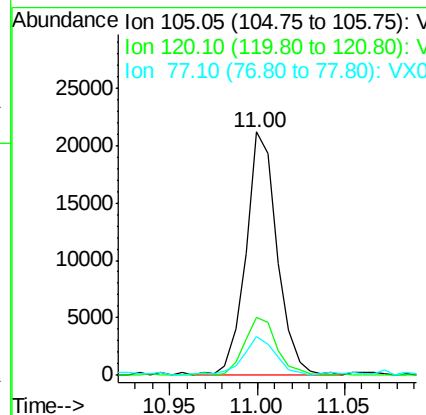
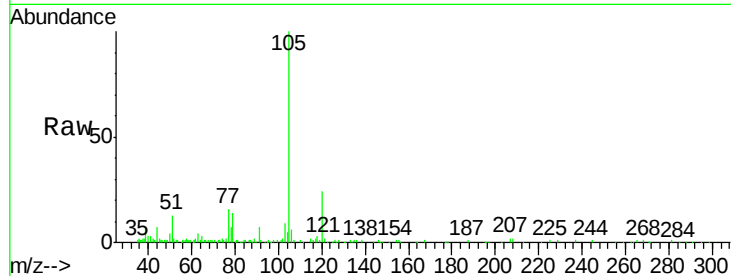
ClientSampled :

MDL05

Tot Ion:	105	Resp:	26041
Ion Ratio	Lower	Upper	
105	100		
120	25.6	21.4	32.2
77	17.1	13.0	19.6

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#60

1,1,2,2-Tetrachloroethane

Concen: 0.253 ug/L

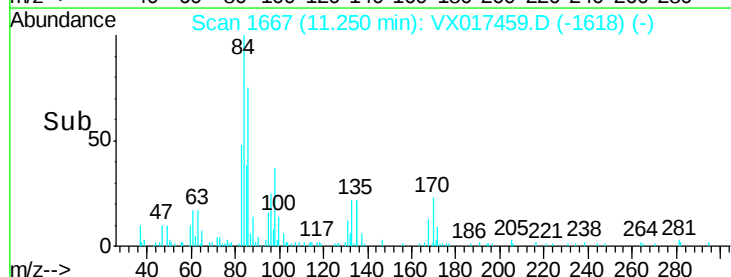
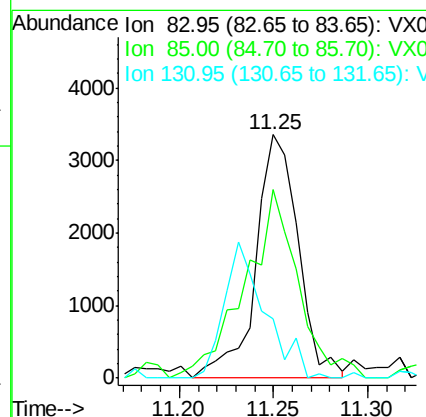
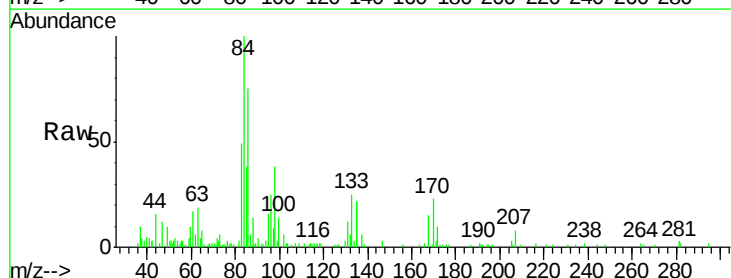
RT: 11.25 min Scan# 1667

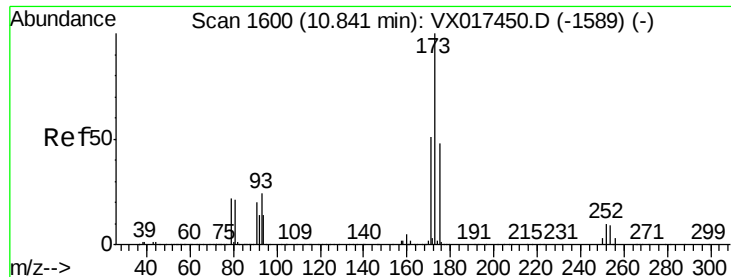
Delta R.T. -0.00 min

Lab File: VX017459.D

Acq: 21 Jul 2020 17:10

Tgt Ion:	83	Resp:	5260
Ion Ratio	Lower	Upper	
83	100		
85	77.6	42.1	78.1
131	24.2	7.7	11.5#





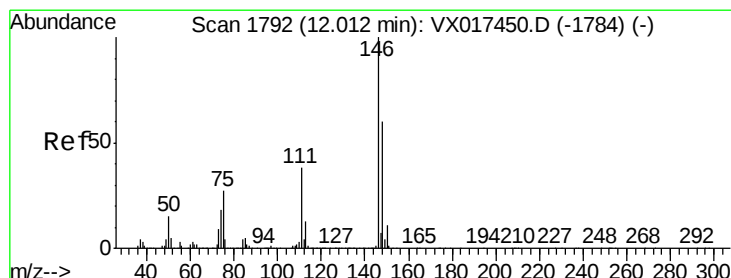
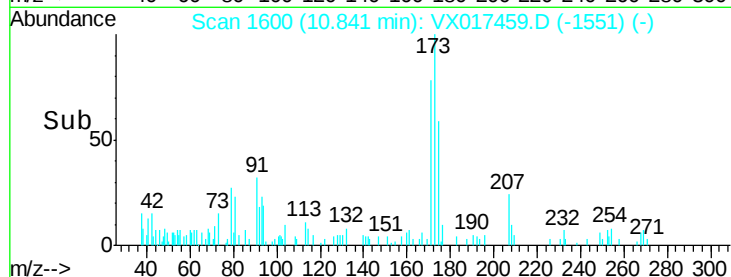
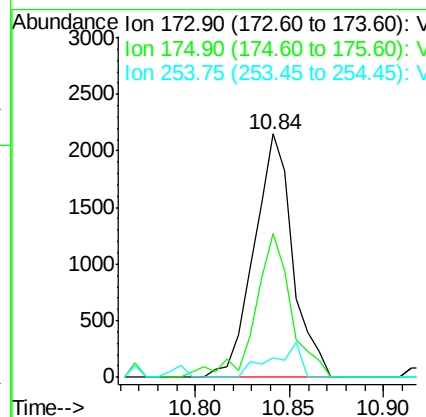
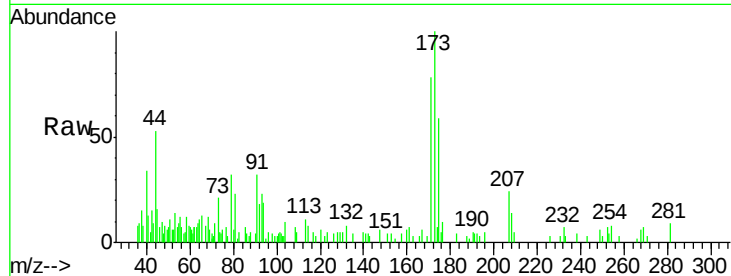
#62
Bromoform
Concen: 0.234 ug/L
RT: 10.84 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VX017459.D
Acq: 21 Jul 2020 17:10

Instrument :
MSVOA_X
ClientSampleId :
MDL05

Tot Ion	Ratio	Lower	Upper
173	100		
175	55.0	38.4	57.6
254	10.6	7.4	11.2

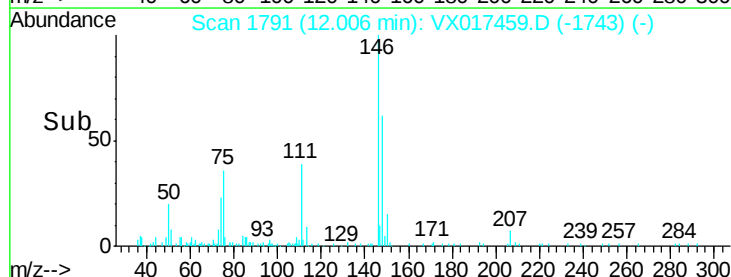
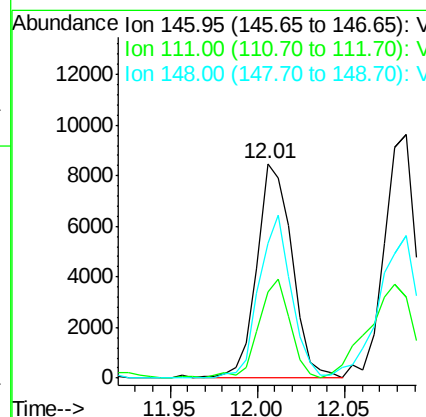
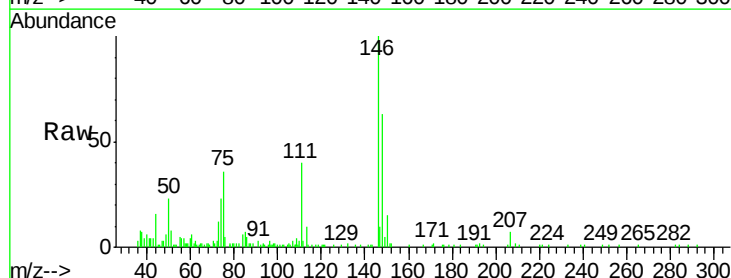
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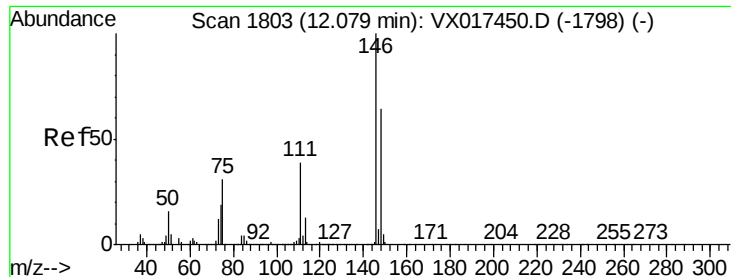
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#63
1,3-Dichlorobenzene
Concen: 0.226 ug/L
RT: 12.01 min Scan# 1791
Delta R.T. -0.01 min
Lab File: VX017459.D
Acq: 21 Jul 2020 17:10

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.9	26.8	49.8
148	62.9	42.1	78.3





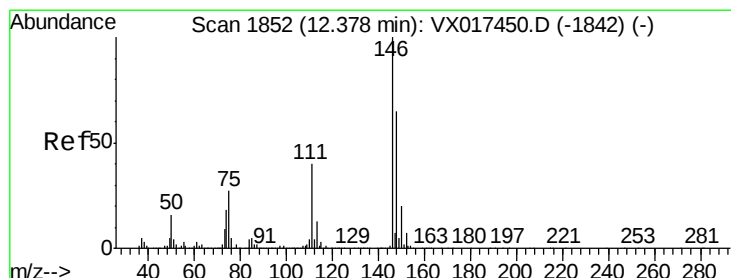
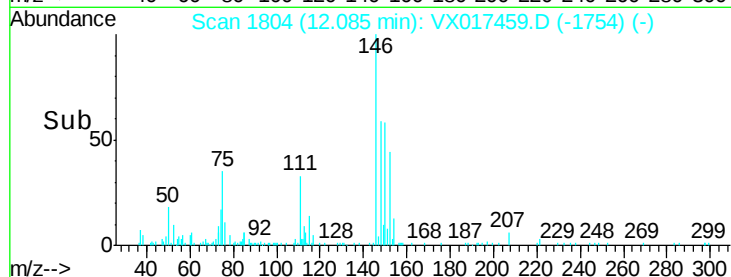
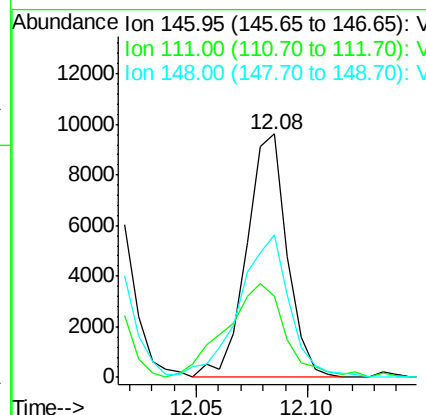
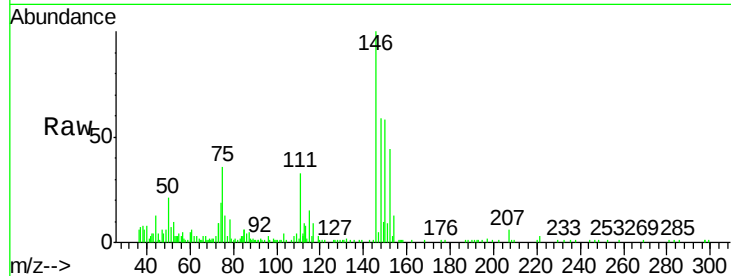
#64
 1,4-Dichlorobenzene
 Concen: 0.236 ug/L
 RT: 12.08 min Scan# 1804
 Delta R.T. 0.01 min
 Lab File: VX017459.D
 Acq: 21 Jul 2020 17:10

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL05

Tot Ion	Ratio	Lower	Upper
146	100		
111	33.1	27.7	51.5
148	58.6	44.9	83.5

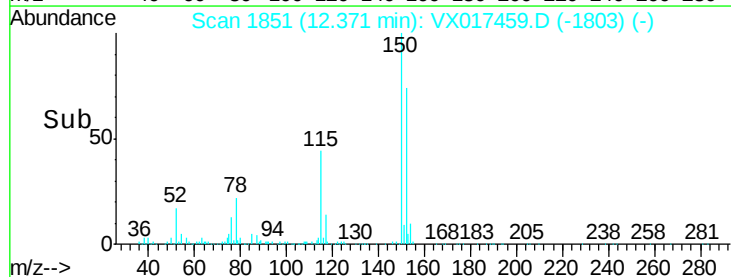
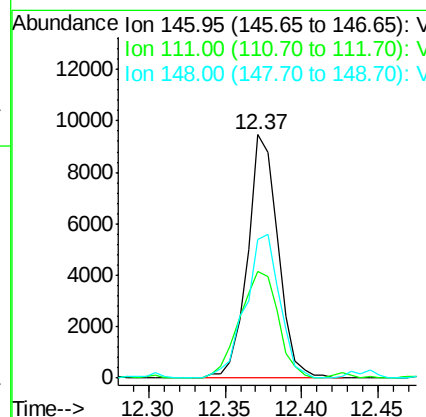
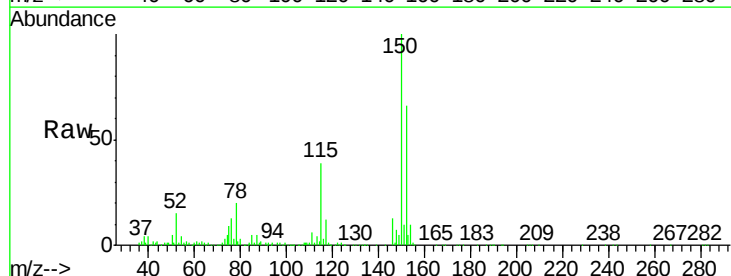
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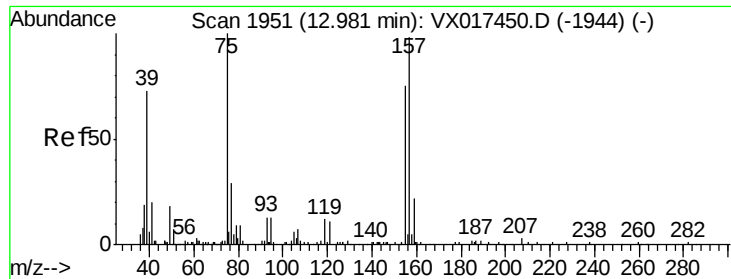
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 7/22/2020 9:11:12 AM



#66
 1,2-Dichlorobenzene
 Concen: 0.268 ug/L
 RT: 12.37 min Scan# 1851
 Delta R.T. -0.01 min
 Lab File: VX017459.D
 Acq: 21 Jul 2020 17:10

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.8	31.8	47.6
148	57.1	51.8	77.8





#67

1,2-Dibromo-3-chloropropane

Concen: 0.405 ug/L

RT: 12.98 min Scan# 1951

Delta R.T. -0.00 min

Lab File: VX017459.D

Acq: 21 Jul 2020 17:10

Instrument :

MSVOA_X

ClientSampleId :

MDL05

Tot Ion: 75 Resp: 1733

Ion Ratio Lower Upper

75 100

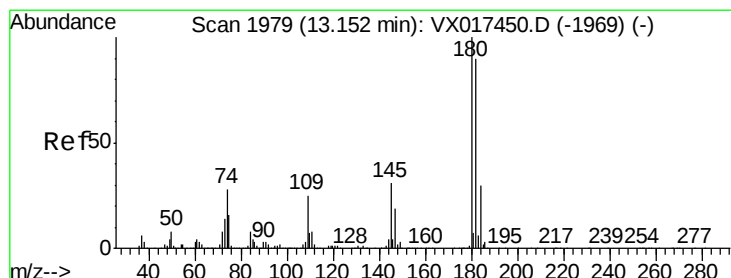
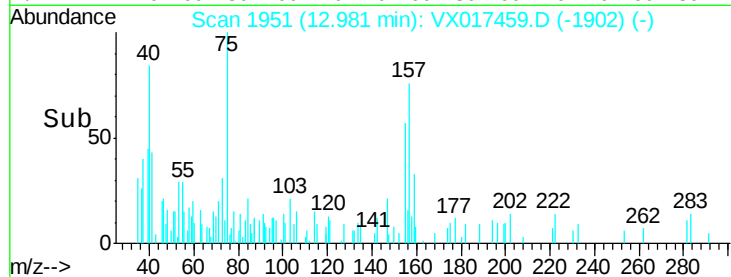
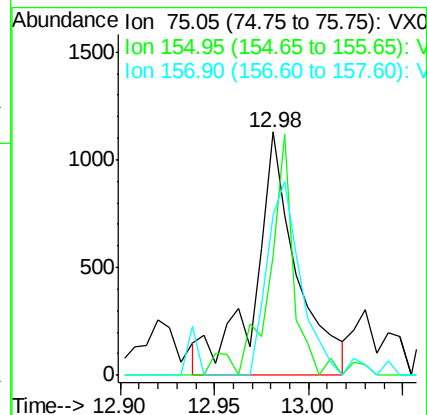
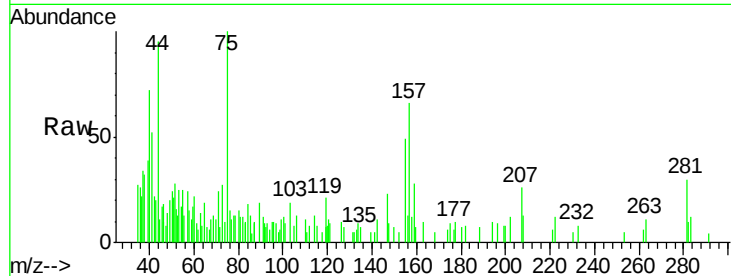
155 49.2 59.6 89.4#

157 65.9 78.7 118.1#

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#68

1,3,5-Trichlorobenzene

Concen: 0.236 ug/L

RT: 13.15 min Scan# 1979

Delta R.T. -0.00 min

Lab File: VX017459.D

Acq: 21 Jul 2020 17:10

Tgt Ion: 180 Resp: 10412

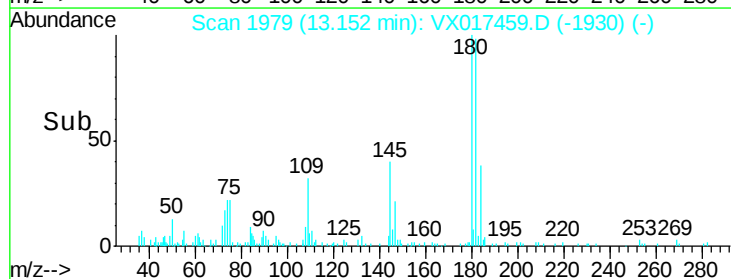
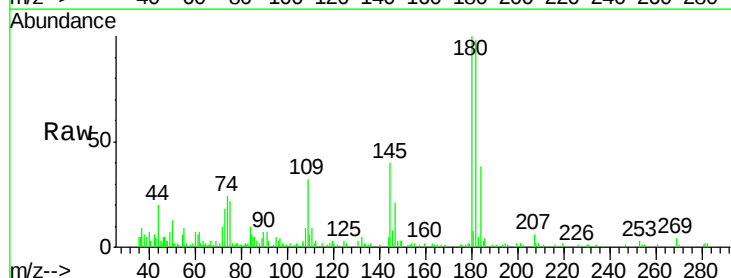
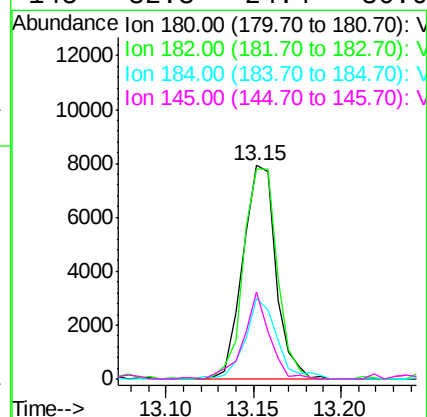
Ion Ratio Lower Upper

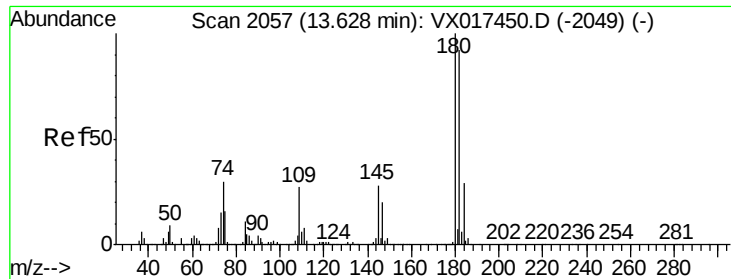
180 100

182 100.2 73.8 110.8

184 36.4 24.2 36.2#

145 32.3 24.4 36.6





#69

1,2,4-trichlorobenzene

Concen: 0.225 ug/L

RT: 13.63 min Scan# 2057

Delta R.T. -0.00 min

Lab File: VX017459.D

Acq: 21 Jul 2020 17:10

Instrument :

MSVOA_X

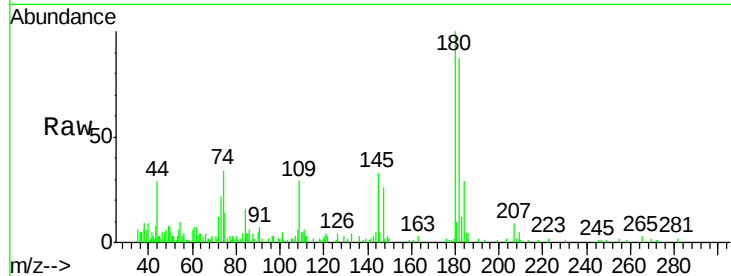
ClientSampleId :

MDL05

Tot Ion:	180	Resp:	7254
Ion Ratio	Lower	Upper	
180	100		
182	93.9	75.3	112.9
145	41.0	24.3	36.5#

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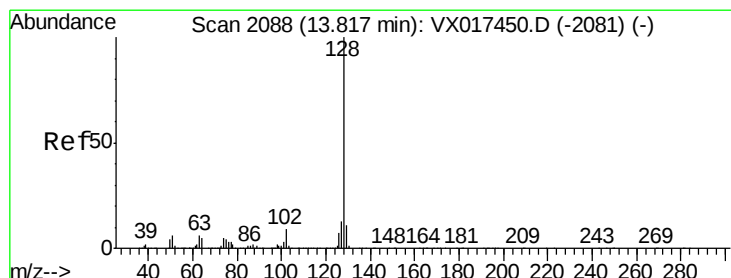
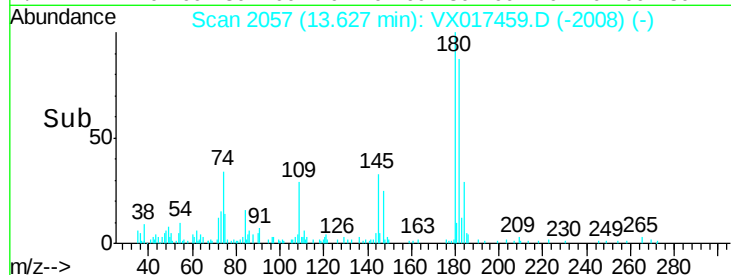
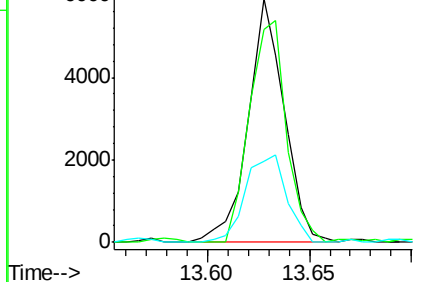
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Abundance Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V



#70

Naphthalene

Concen: 0.201 ug/L

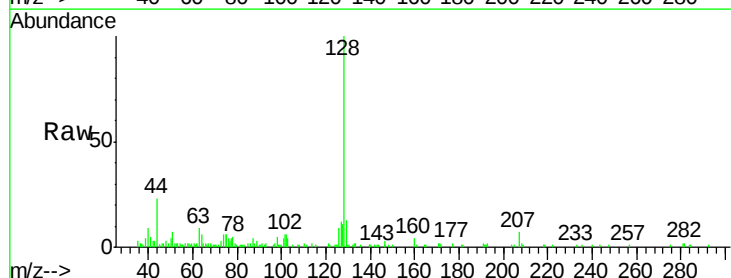
RT: 13.82 min Scan# 2088

Delta R.T. -0.00 min

Lab File: VX017459.D

Acq: 21 Jul 2020 17:10

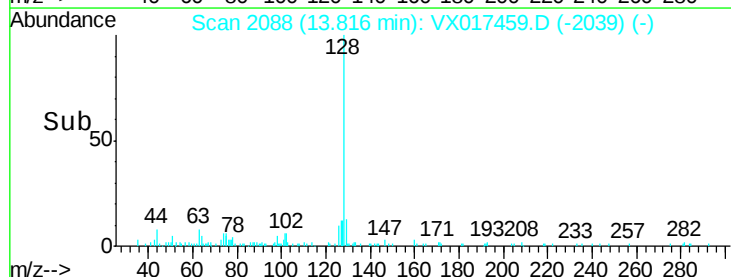
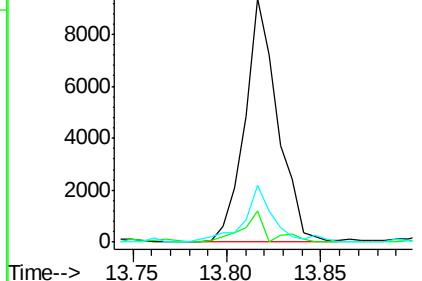
Tgt Ion:	128	Resp:	11369
Ion Ratio	Lower	Upper	
128	100		
129	9.9	8.7	13.1
127	21.2	10.2	15.4#

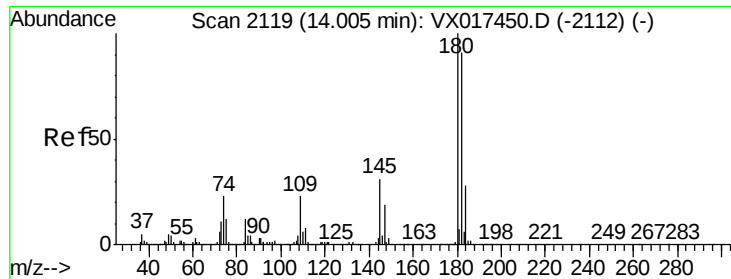


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





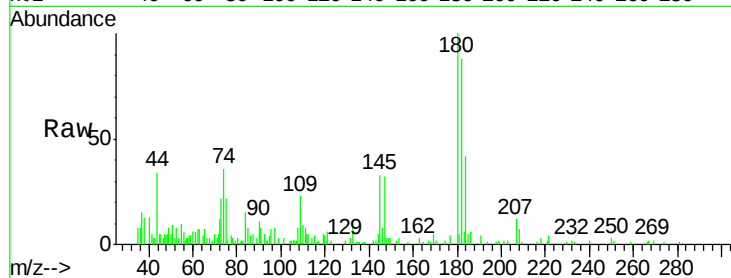
#71
 1,2,3-Trichlorobenzene
 Concen: 0.217 ug/L
 RT: 14.00 min Scan# 2118
 Delta R.T. -0.01 min
 Lab File: VX017459.D
 Acq: 21 Jul 2020 17:10

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL05

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.1	75.3	112.9
145	35.8	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

