

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX070820\
 Data File : VX017269.D
 Acq On : 08 Jul 2020 20:23
 Operator : JC/SP
 Sample : L3195-10MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MH-117N-20200630MSD

Manual Integrations
 APPROVED

MMDadoda
 7/9/2020 10:59:52 AM

Quant Time: Jul 09 04:48:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062920W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 29 17:10:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	275100	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	416481	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	397931	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	224258	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	160930	47.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.90%	
35) Dibromofluoromethane	5.46	113	131345	49.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.72%	
50) Toluene-d8	8.70	98	470608	48.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.62%	
62) 4-Bromofluorobenzene	11.12	95	193932	50.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.18	85	122307	45.955	ug/l	99
3) Chloromethane	1.31	50	128677	39.943	ug/l	99
4) Vinyl Chloride	1.39	62	135522	45.341	ug/l	97
5) Bromomethane	1.62	94	73835	46.756	ug/l	98
6) Chloroethane	1.70	64	87188	49.390	ug/l	99
7) Trichlorofluoromethane	1.91	101	236817	53.572	ug/l	99
8) Diethyl Ether	2.17	74	81524	54.776	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.36	101	133141	50.252	ug/l	97
10) Methyl Iodide	2.49	142	150941	44.151	ug/l	99
11) Tert butyl alcohol	3.02	59	168254	260.059	ug/l	99
12) 1,1-Dichloroethene	2.36	96	130130	47.812	ug/l	98
13) Acrolein	2.27	56	121387	313.860	ug/l	97
14) Allyl chloride	2.71	41	233220	46.366	ug/l	98
15) Acrylonitrile	3.12	53	404056	259.789	ug/l	99
16) Acetone	2.42	43	341697	269.328	ug/l	98
17) Carbon Disulfide	2.55	76	338957	44.631	ug/l	99
18) Methyl Acetate	2.75	43	175632	53.030	ug/l	98
19) Methyl tert-butyl Ether	3.17	73	485044	53.099	ug/l	99
20) Methylene Chloride	2.83	84	150206	51.648	ug/l	96
21) trans-1,2-Dichloroethene	3.14	96	148666	49.220	ug/l	100
22) Diisopropyl ether	3.82	45	468720	50.348	ug/l	97
23) Vinyl Acetate	3.79	43	1981405	247.680	ug/l	100
24) 1,1-Dichloroethane	3.67	63	262229	49.504	ug/l	99
25) 2-Butanone	4.64	43	551687	260.970	ug/l	100
26) 2,2-Dichloropropane	4.56	77	214204	45.543	ug/l	99
27) cis-1,2-Dichloroethene	4.56	96	166544	48.664	ug/l	100
28) Bromochloromethane	4.98	49	116187	45.074	ug/l	95
29) Tetrahydrofuran	5.09	42	360101	257.812	ug/l	98
30) Chloroform	5.18	83	278608	51.308	ug/l	98
31) Cyclohexane	5.55	56	213341	46.594	ug/l	99
32) 1,1,1-Trichloroethane	5.46	97	258622	51.715	ug/l	99
36) 1,1-Dichloropropene	5.77	75	198473	50.422	ug/l	98
37) Ethyl Acetate	4.79	43	203263	50.895	ug/l	98
38) Carbon Tetrachloride	5.76	117	233326	53.818	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.44	83	214897	49.068	ug/l	99
40) Benzene	6.12	78	582192	50.339	ug/l	100
41) Methacrylonitrile	5.00	41	118621	52.772	ug/l	98
42) 1,2-Dichloroethane	6.17	62	226368	54.187	ug/l	99
43) Isopropyl Acetate	6.42	43	341655	51.481	ug/l	99
44) Trichloroethene	7.19	130	175053	54.881	ug/l	99
45) 1,2-Dichloropropane	7.49	63	153168	51.563	ug/l	98
46) Dibromomethane	7.64	93	107249	52.884	ug/l	96
47) Bromodichloromethane	7.87	83	229621	54.942	ug/l	96
48) Methyl methacrylate	7.75	41	172934	54.848	ug/l	96
49) 1,4-Dioxane	7.71	88	69358	971.003	ug/l	99
51) 4-Methyl-2-Pentanone	8.62	43	1106327	279.659	ug/l	100
52) Toluene	8.77	92	376559	52.149	ug/l	99
53) t-1,3-Dichloropropene	9.02	75	248387	53.866	ug/l	95
54) cis-1,3-Dichloropropene	8.42	75	254867	51.559	ug/l	100
55) 1,1,2-Trichloroethane	9.20	97	159730	54.142	ug/l	98
56) Ethyl methacrylate	9.16	69	241463	57.503	ug/l	98
57) 1,3-Dichloropropane	9.35	76	265280	53.141	ug/l	100
59) 2-Hexanone	9.48	43	850304	294.305	ug/l	100
60) Dibromochloromethane	9.57	129	196130	57.238	ug/l	99
61) 1,2-Dibromoethane	9.65	107	174301	54.965	ug/l	99
64) Tetrachloroethene	9.32	164	165116	51.413	ug/l	97
65) Chlorobenzene	10.12	112	427943	52.106	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.20	131	175729	55.519	ug/l	99
67) Ethyl Benzene	10.24	91	741399	54.054	ug/l	97
68) m/p-Xylenes	10.34	106	569166	108.074	ug/l	97
69) o-Xylene	10.68	106	277127	55.315	ug/l	99
70) Styrene	10.70	104	487264	57.114	ug/l	99
71) Bromoform	10.84	173	155271	61.861	ug/l #	100
73) Isopropylbenzene	11.00	105	753980	51.329	ug/l	100
74) N-amyl acetate	10.88	43	311677	49.727	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.25	83	234198	50.686	ug/l	98
76) 1,2,3-Trichloropropane	11.28	75	228298m	51.769	ug/l	
77) Bromobenzene	11.24	156	208375	51.615	ug/l	97
78) n-propylbenzene	11.34	91	846067	50.934	ug/l	99
79) 2-Chlorotoluene	11.40	91	527049	52.426	ug/l	99
80) 1,3,5-Trimethylbenzene	11.49	105	642880	52.763	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.05	75	84080	49.375	ug/l	96
82) 4-Chlorotoluene	11.49	91	623972	51.920	ug/l	99
83) tert-Butylbenzene	11.76	119	636388	53.206	ug/l	100
84) 1,2,4-Trimethylbenzene	11.79	105	664560	53.763	ug/l	100
85) sec-Butylbenzene	11.93	105	720786	51.267	ug/l	100
86) p-Isopropyltoluene	12.05	119	696446	53.211	ug/l	100
87) 1,3-Dichlorobenzene	12.01	146	371921	50.724	ug/l	98
88) 1,4-Dichlorobenzene	12.08	146	372165	53.837	ug/l	99
89) n-Butylbenzene	12.37	91	574394	49.150	ug/l	99
90) Hexachloroethane	12.58	117	130123	50.415	ug/l	94
91) 1,2-Dichlorobenzene	12.38	146	355260	51.835	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.98	75	56483	51.243	ug/l	97
93) 1,2,4-Trichlorobenzene	13.63	180	229669	49.096	ug/l	98

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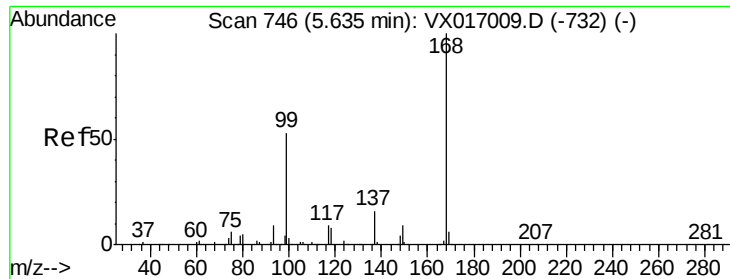
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.77	225	84613	47.698	ug/l	98
95) Naphthalene	13.82	128	760720	53.490	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	232671	51.394	ug/l	99

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



#1

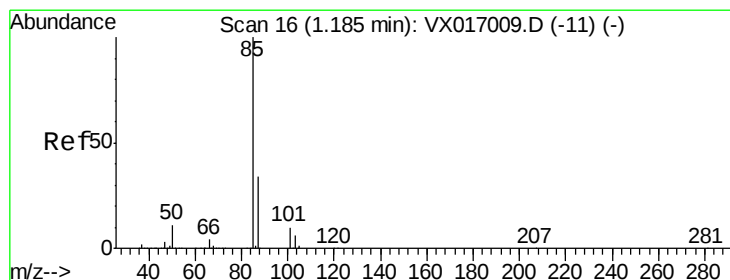
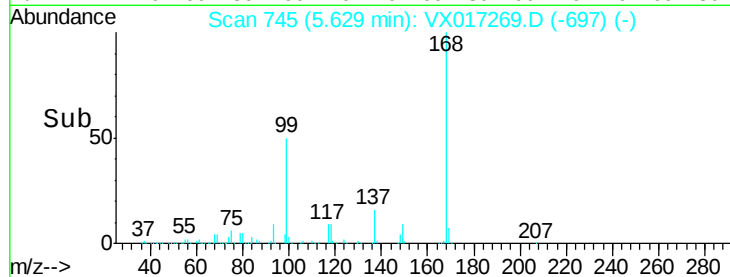
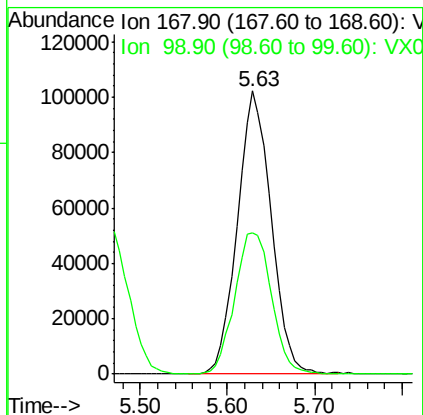
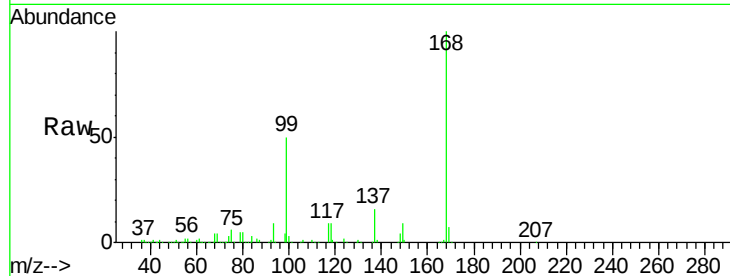
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.01 min
 Lab File: VX017269.D
 Acq: 08 Jul 2020 20:23

Instrument :
 MSVOA_X
 ClientSampleId :
 MH-117N-20200630MSD

Tot Ion	Ratio	Lower	Upper
168	100		
99	50.0	42.6	64.0

Manual Integrations
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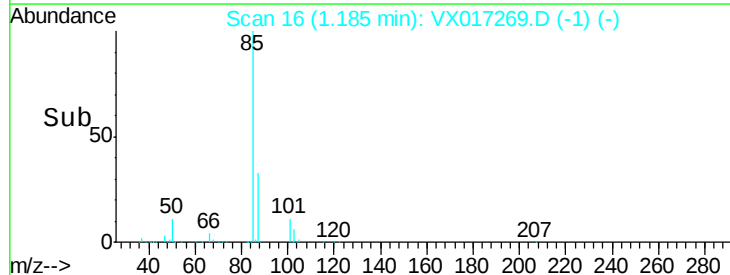
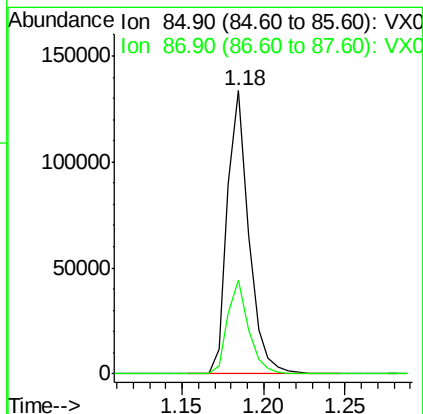
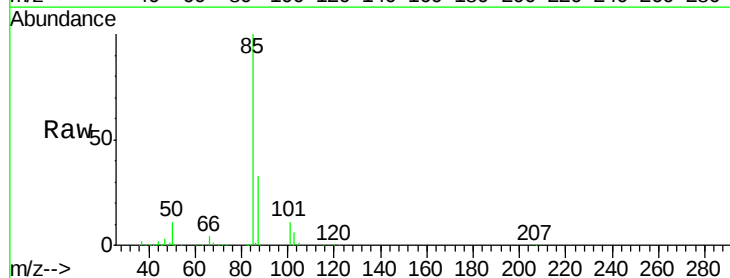
MMDadoda
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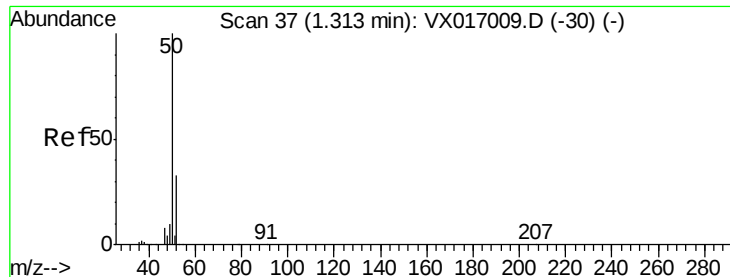


#2

Dichlorodifluoromethane
 Concen: 45.955 ug/l
 RT: 1.18 min Scan# 16
 Delta R.T. -0.00 min
 Lab File: VX017269.D
 Acq: 08 Jul 2020 20:23

Tgt Ion	Ratio	Lower	Upper
85	100		
87	33.1	16.8	50.4





#3

Chloromethane

Concen: 39.943 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX017269.D

Acq: 08 Jul 2020 20:23

Instrument :

MSVOA_X

ClientSampleId :

MH-117N-20200630MSD

Tot Ion: 50 Resp: 128677

Ion Ratio Lower Upper

50 100

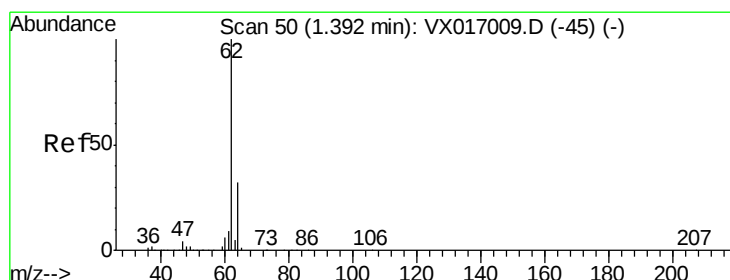
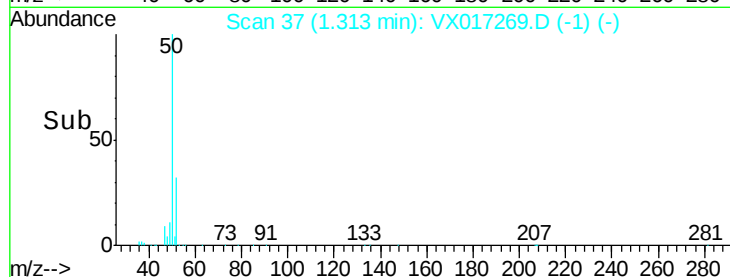
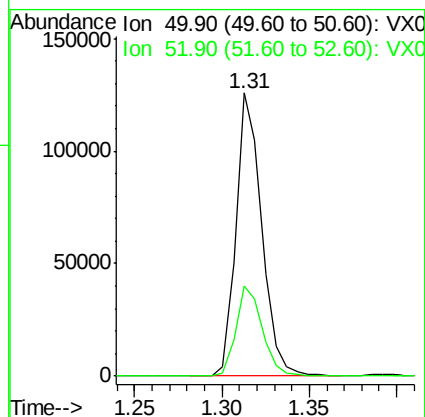
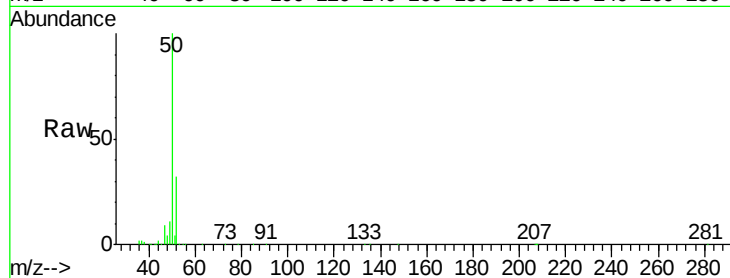
52 31.8 26.1 39.1

Manual Integrations

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#4

Vinyl Chloride

Concen: 45.341 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX017269.D

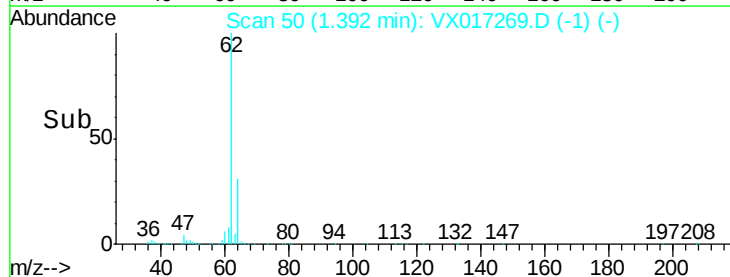
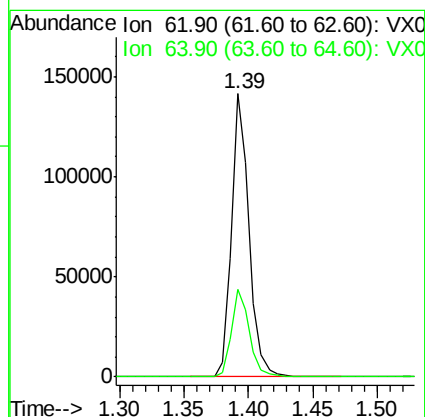
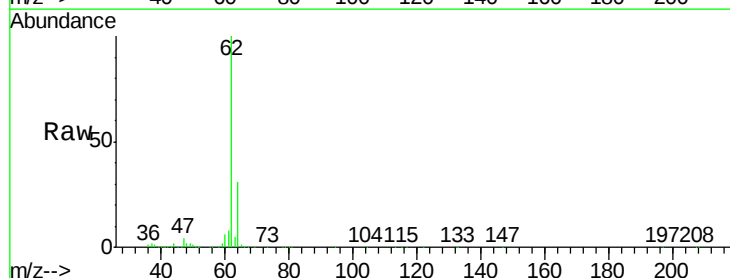
Acq: 08 Jul 2020 20:23

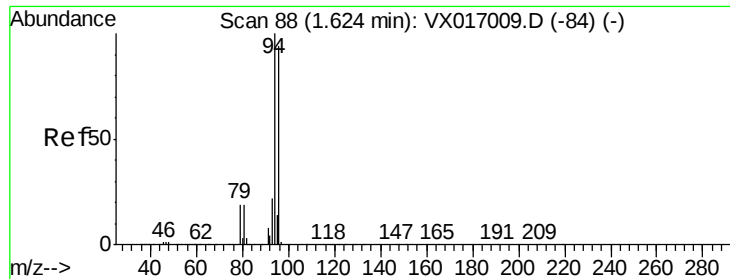
Tgt Ion: 62 Resp: 135522

Ion Ratio Lower Upper

62 100

64 30.8 25.9 38.9





#5

Bromomethane

Concen: 46.756 ug/l

RT: 1.62 min Scan# 88

Delta R.T. 0.00 min

Lab File: VX017269.D

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ClientSampleId :

MH-117N-20200630MSD

Tot Ion: 94 Resp: 73835

Ion Ratio Lower Upper

94 100

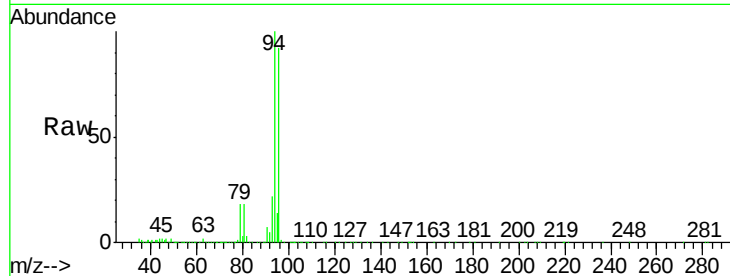
96 92.1 75.0 112.4

Manual Integrations

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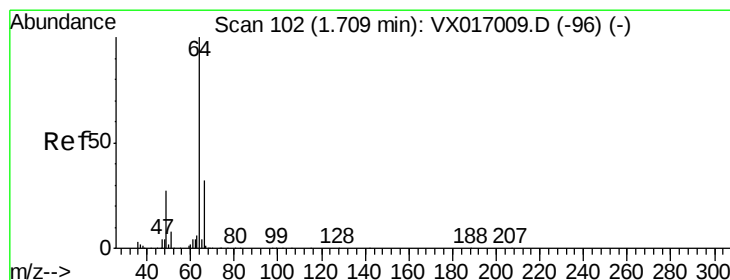
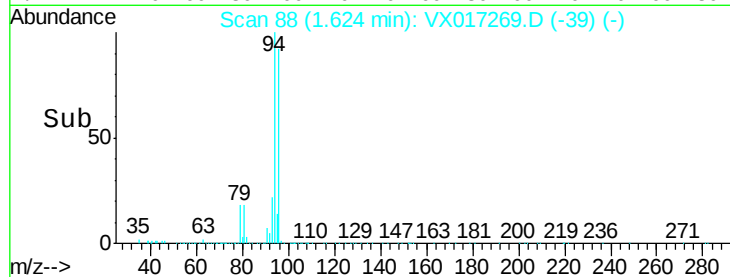
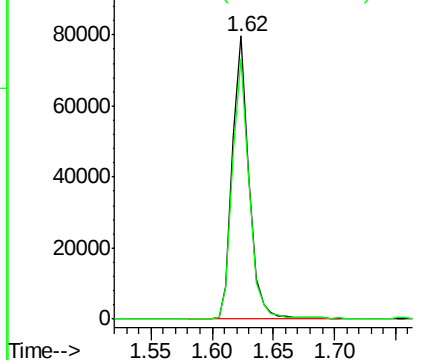
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 49.390 ug/l

RT: 1.70 min Scan# 101

Delta R.T. -0.01 min

Lab File: VX017269.D

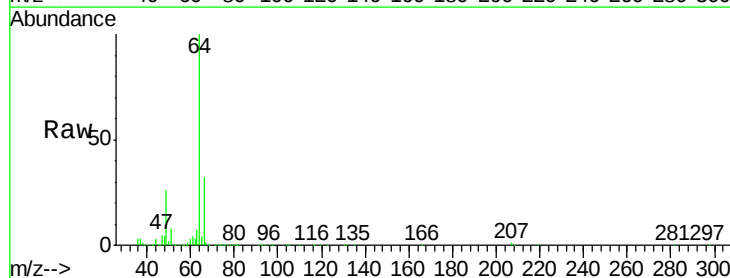
Acq: 08 Jul 2020 20:23

Tgt Ion: 64 Resp: 87188

Ion Ratio Lower Upper

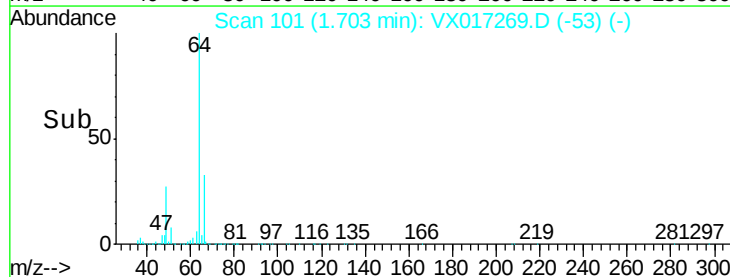
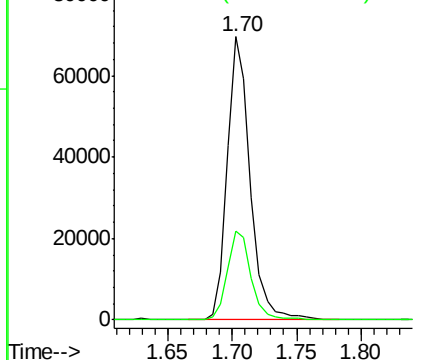
64 100

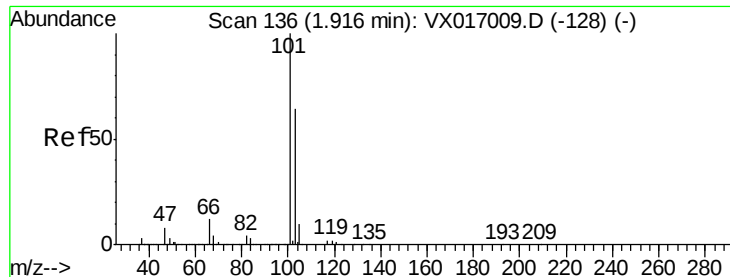
66 31.6 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

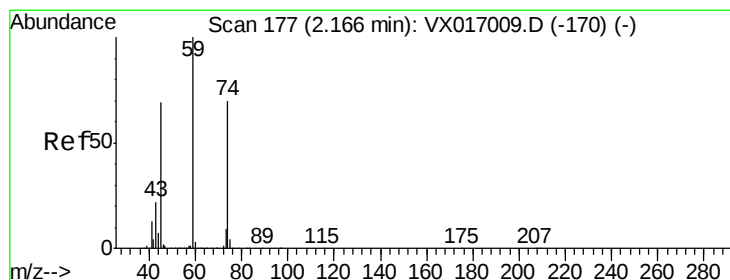
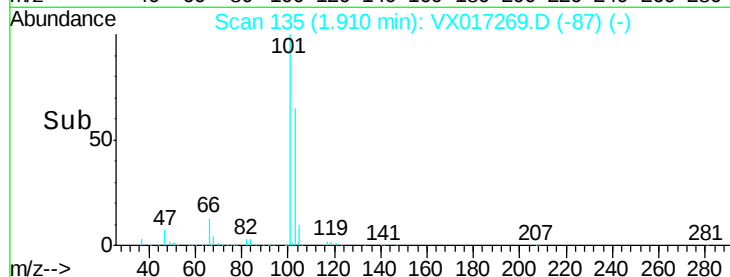
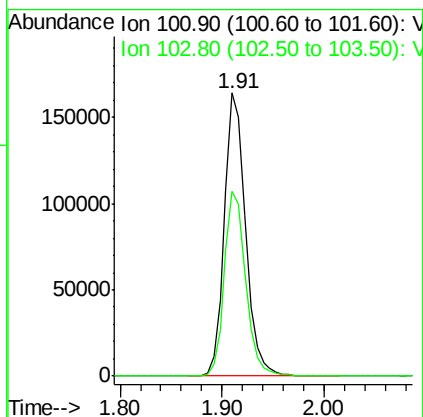
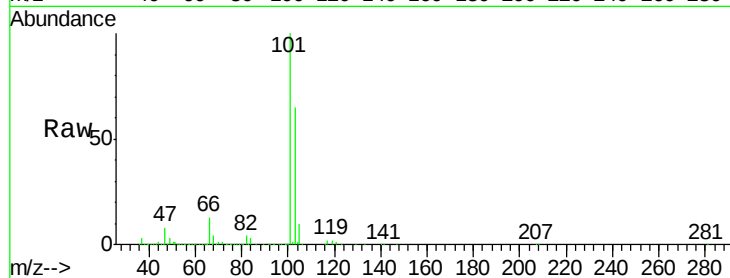
Trichlorofluoromethane
Concen: 53.572 ug/l
RT: 1.91 min Scan# 135
Delta R.T. -0.01 min
Lab File: VX017269.D
Acq: 08 Jul 2020 20:23

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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.2	51.5	77.3

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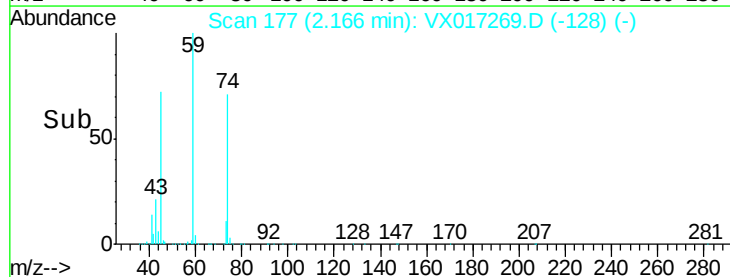
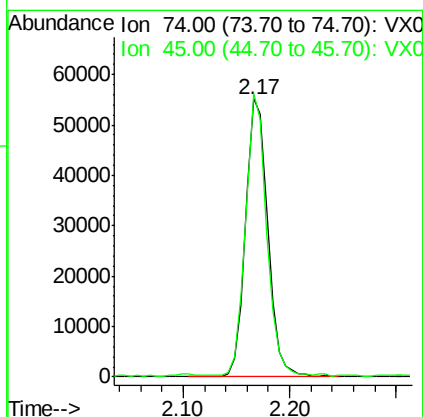
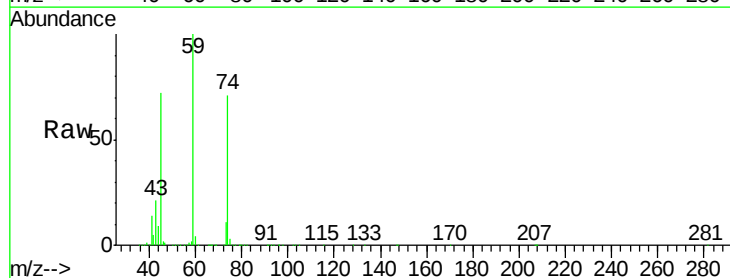
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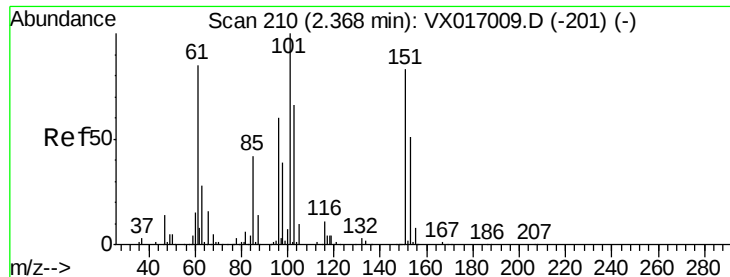


#8

Diethyl Ether
Concen: 54.776 ug/l
RT: 2.17 min Scan# 177
Delta R.T. 0.00 min
Lab File: VX017269.D
Acq: 08 Jul 2020 20:23

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.9	49.8	149.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.252 ug/l

RT: 2.36 min Scan# 209

Delta R.T. -0.01 min

Lab File: VX017269.D

Acq: 08 Jul 2020 20:23

Instrument :

MSVOA_X

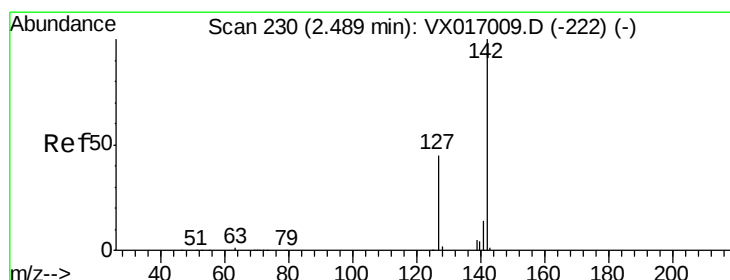
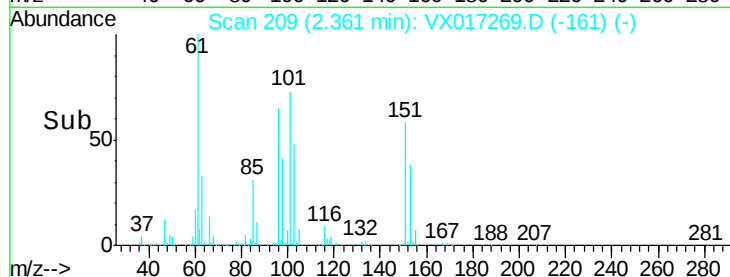
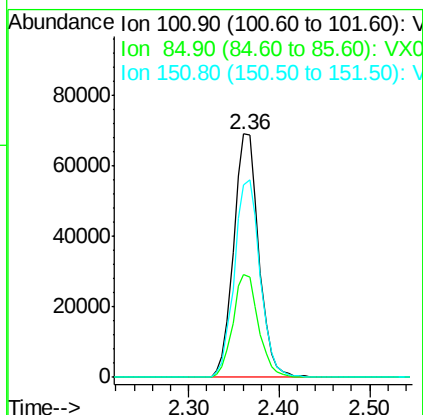
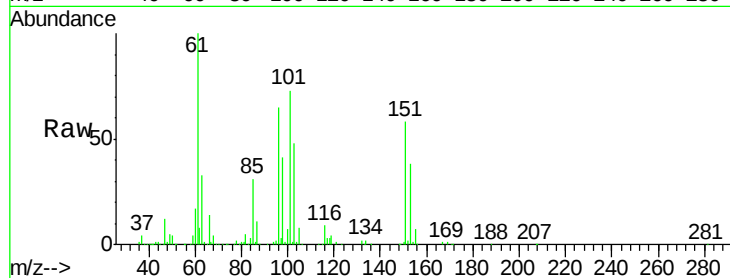
ClientSampleId :

MH-117N-20200630MSD

Tot Ion:	101	Resp:	133141
Ion Ratio	Lower	Upper	
101	100		
85	43.0	33.5	50.3
151	83.1	63.8	95.6

Manual Integrations
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#10

Methyl Iodide

Concen: 44.151 ug/l

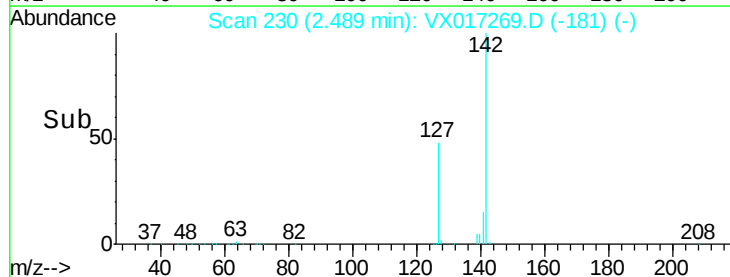
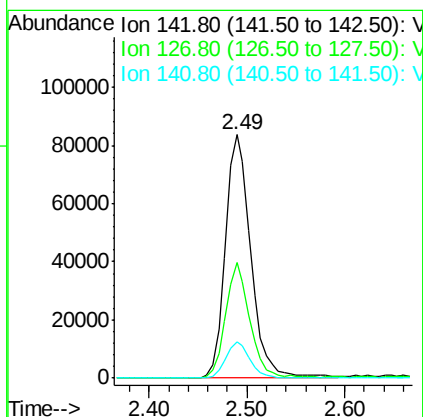
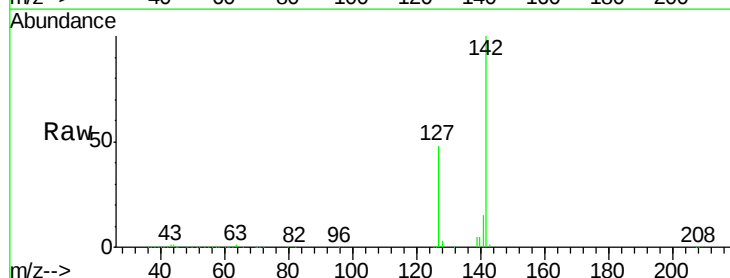
RT: 2.49 min Scan# 230

Delta R.T. -0.00 min

Lab File: VX017269.D

Acq: 08 Jul 2020 20:23

Tgt Ion:	142	Resp:	150941
Ion Ratio	Lower	Upper	
142	100		
127	45.0	36.6	54.8
141	14.4	11.6	17.4





#11

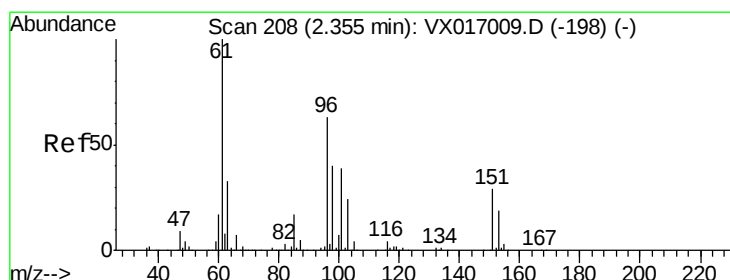
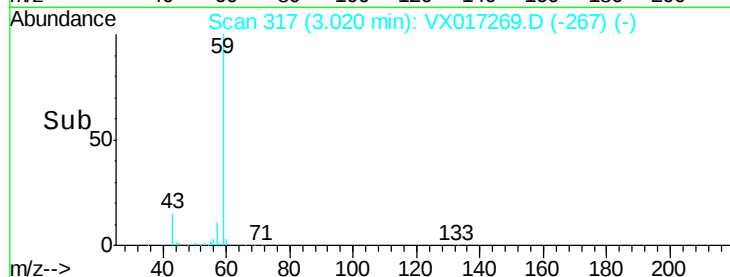
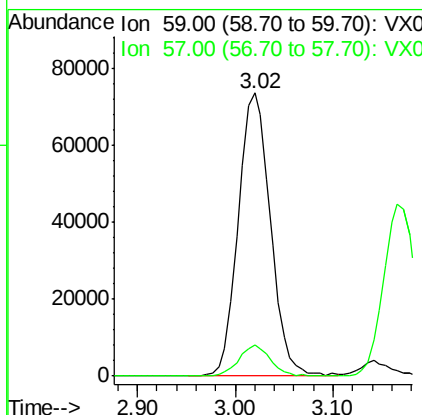
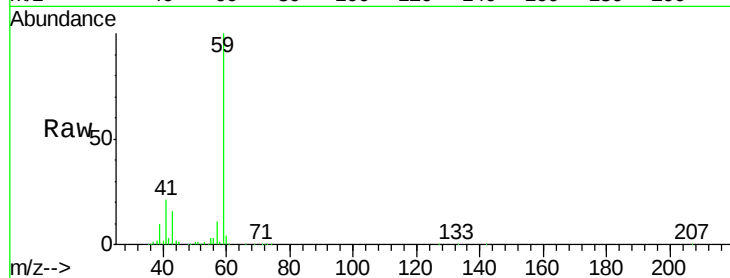
Tert butyl alcohol
Concen: 260.059 ug/l
RT: 3.02 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX017269.D
Acq: 08 Jul 2020 20:23

Instrument :
MSVOA_X
ClientSampleId :
MH-117N-20200630MSD

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.2	12.2

Manual Integrations
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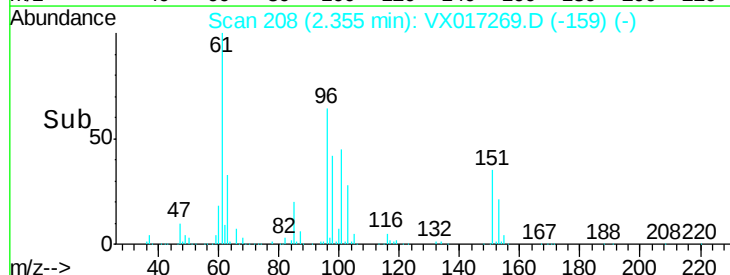
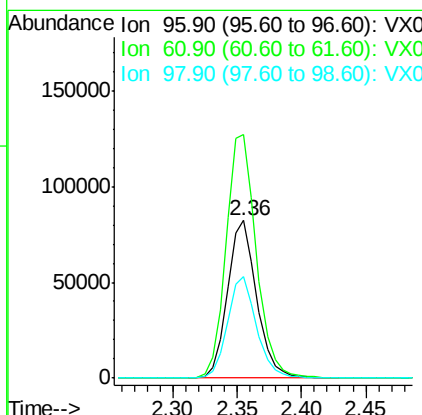
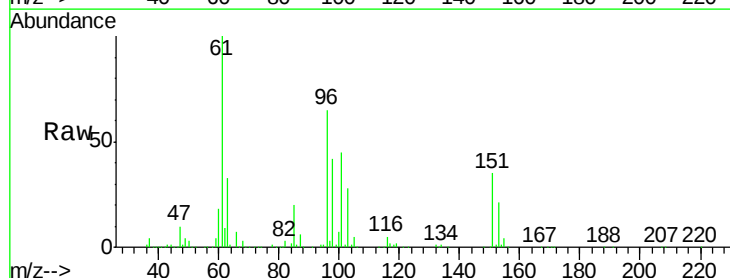
MMDadoda
7/9/2020 10:59:52 AM

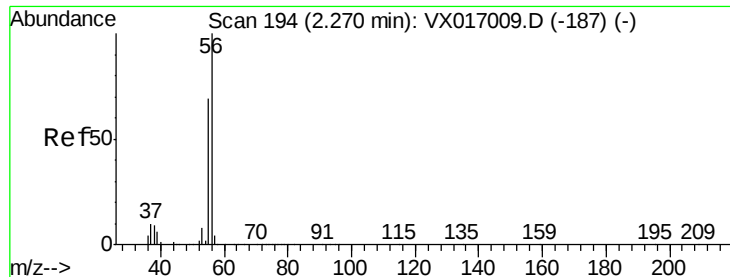


#12

1,1-Dichloroethene
Concen: 47.812 ug/l
RT: 2.36 min Scan# 208
Delta R.T. -0.00 min
Lab File: VX017269.D
Acq: 08 Jul 2020 20:23

Tgt Ion	Ratio	Lower	Upper
96	100		
61	155.0	126.3	189.5
98	64.4	51.0	76.6





#13

Acrolein

Concen: 313.860 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.00 min

Lab File: VX017269.D

Acq: 08 Jul 2020 20:23

Instrument :

MSVOA_X

ClientSampleId :

MH-117N-20200630MSD

Tot Ion: 56 Resp: 121387

Ion Ratio Lower Upper

56 100

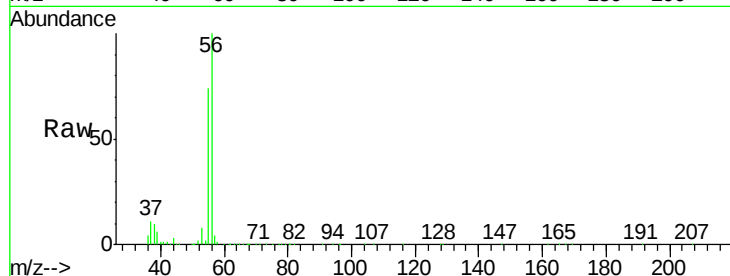
55 72.1 55.7 83.5

Manual Integrations

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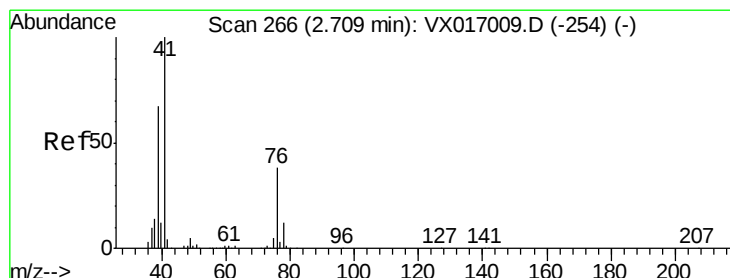
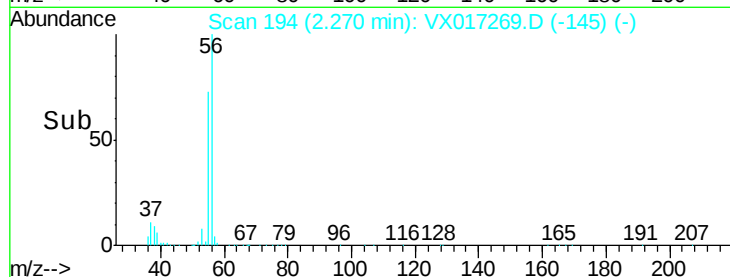
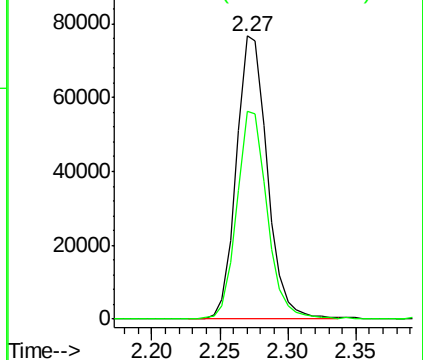
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 46.366 ug/l

RT: 2.71 min Scan# 266

Delta R.T. -0.00 min

Lab File: VX017269.D

Acq: 08 Jul 2020 20:23

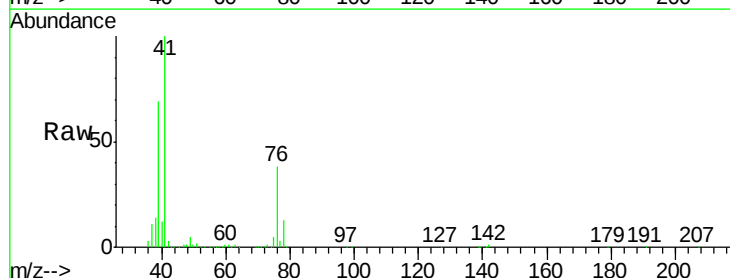
Tgt Ion: 41 Resp: 233220

Ion Ratio Lower Upper

41 100

39 64.5 49.4 74.2

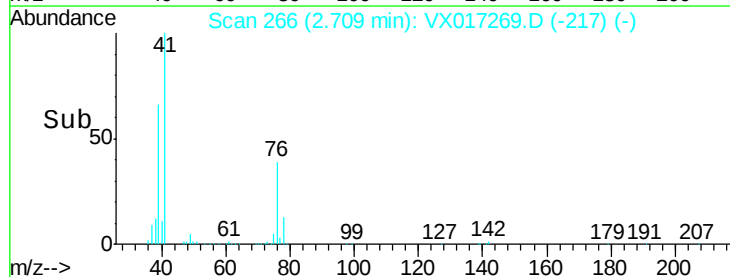
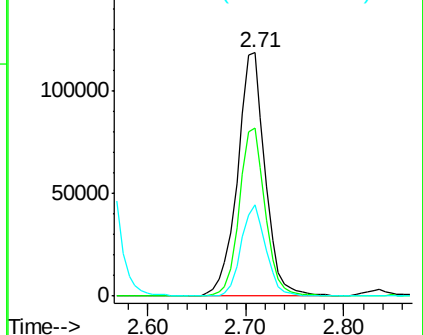
76 33.6 26.8 40.2

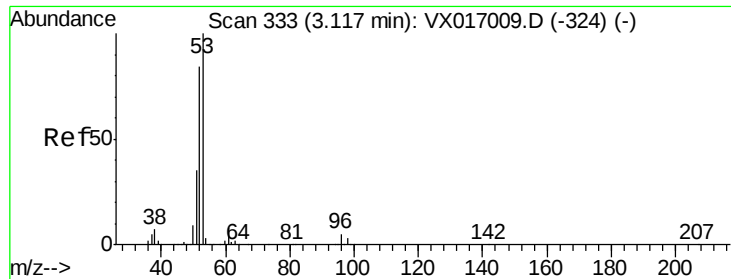


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 259.789 ug/l

RT: 3.12 min Scan# 333

Delta R.T. -0.00 min

Lab File: VX017269.D

Acq: 08 Jul 2020 20:23

Instrument :

MSVOA_X

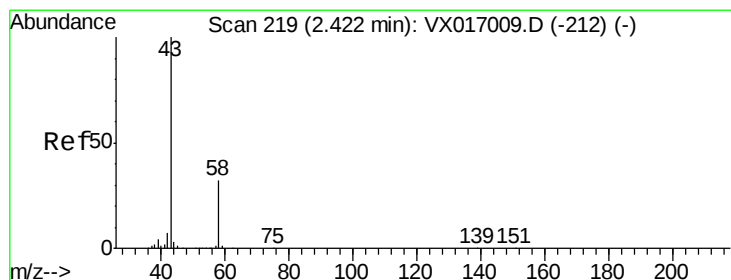
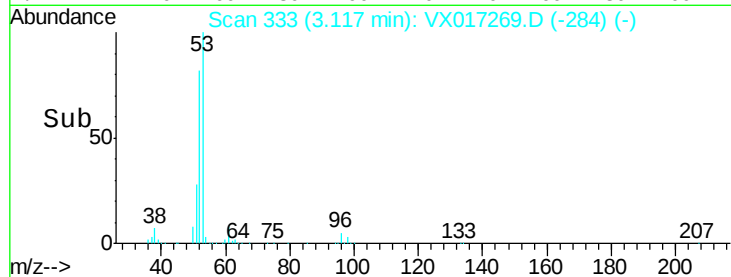
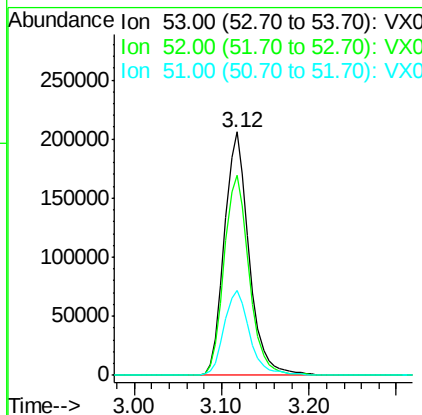
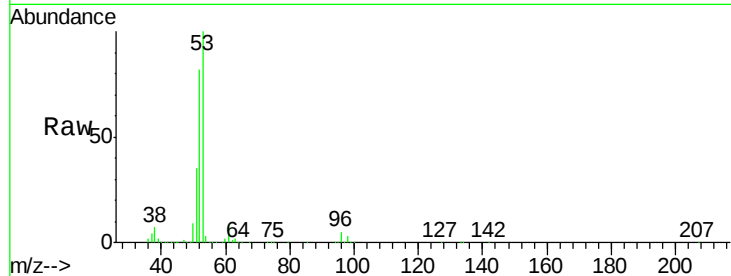
ClientSampleId :

MH-117N-20200630MSD

Tot Ion:	53	Resp:	404056
Ion	Ratio	Lower	Upper
53	100		
52	83.0	65.6	98.4
51	36.5	28.3	42.5

Manual Integrations
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#16

Acetone

Concen: 269.328 ug/l

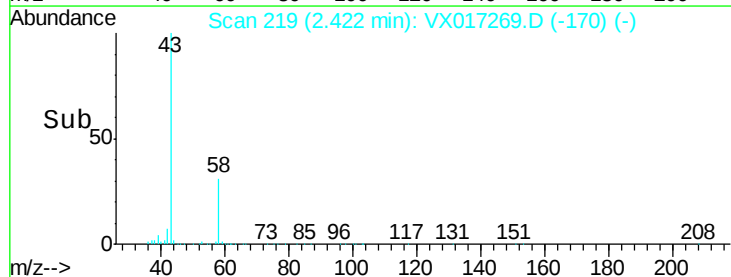
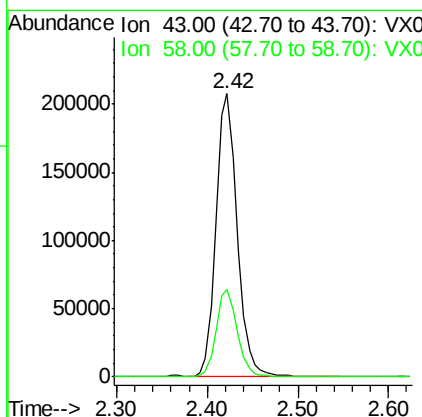
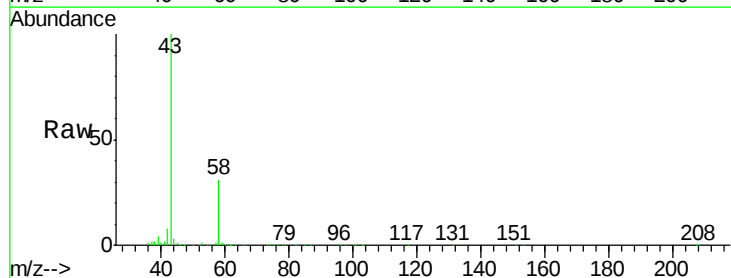
RT: 2.42 min Scan# 219

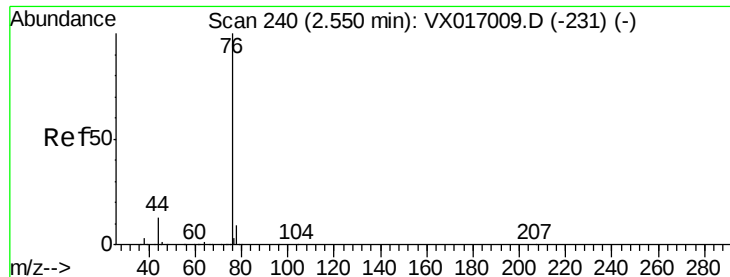
Delta R.T. -0.00 min

Lab File: VX017269.D

Acq: 08 Jul 2020 20:23

Tgt Ion:	43	Resp:	341697
Ion	Ratio	Lower	Upper
43	100		
58	31.1	25.7	38.5





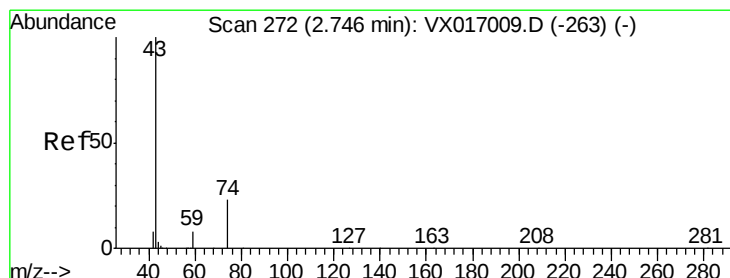
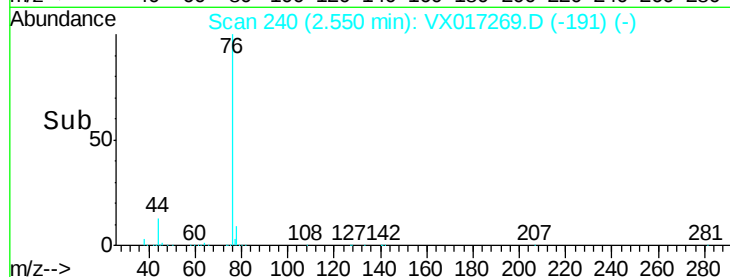
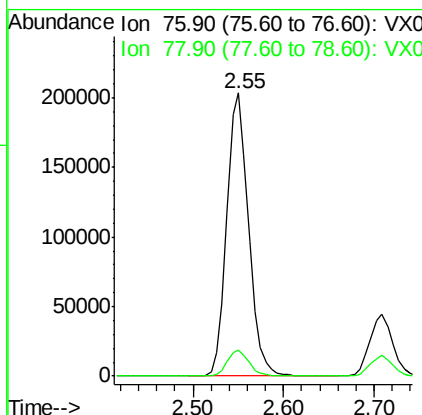
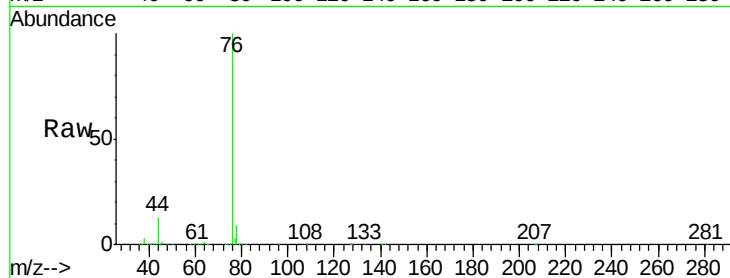
#17
Carbon Disulfide
Concen: 44.631 ug/l
RT: 2.55 min Scan# 240
Delta R.T. 0.00 min
Lab File: VX017269.D
Acq: 08 Jul 2020 20:23

Instrument :
MSVOA_X
ClientSampleId :
MH-117N-20200630MSD

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.2	10.8

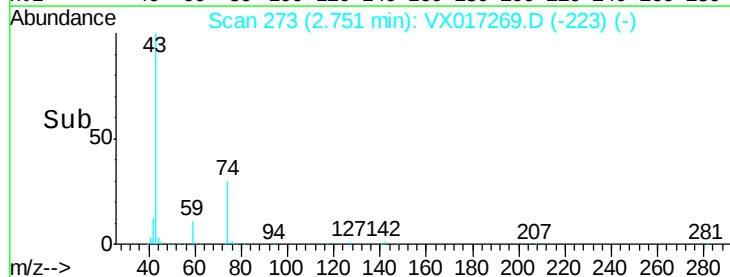
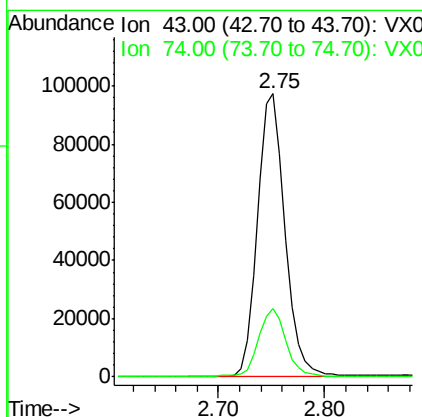
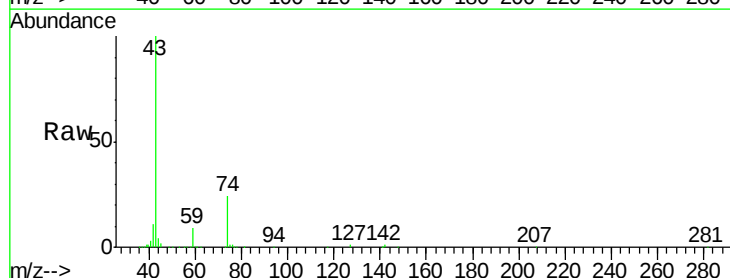
Manual Integrations
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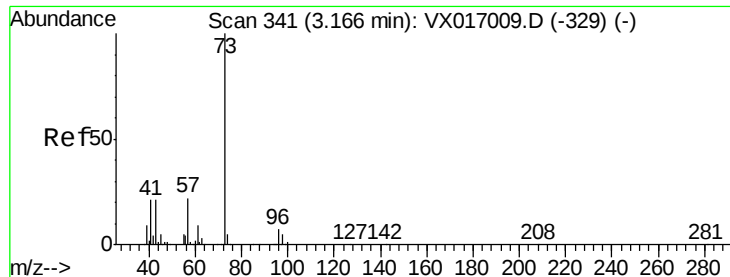
MMDadoda
7/9/2020 10:59:52 AM



#18
Methyl Acetate
Concen: 53.030 ug/l
RT: 2.75 min Scan# 273
Delta R.T. 0.01 min
Lab File: VX017269.D
Acq: 08 Jul 2020 20:23

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.8	19.3	28.9





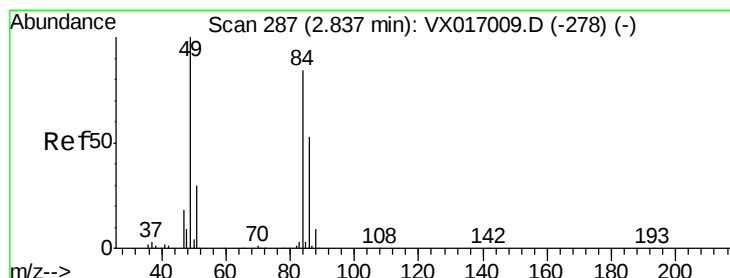
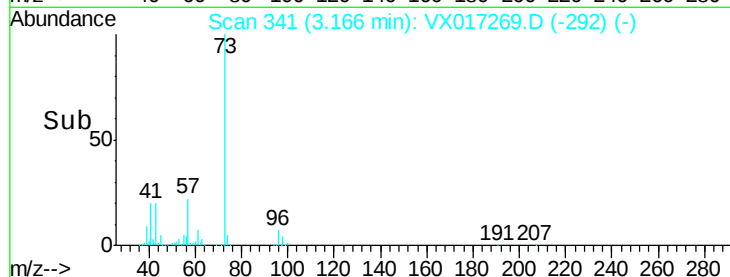
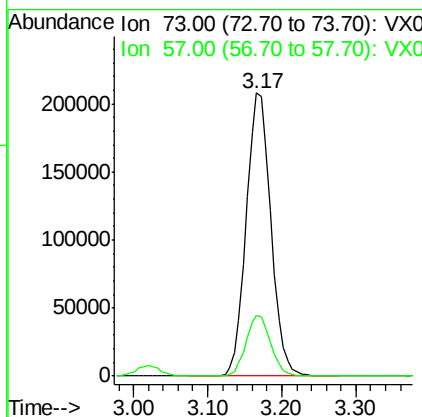
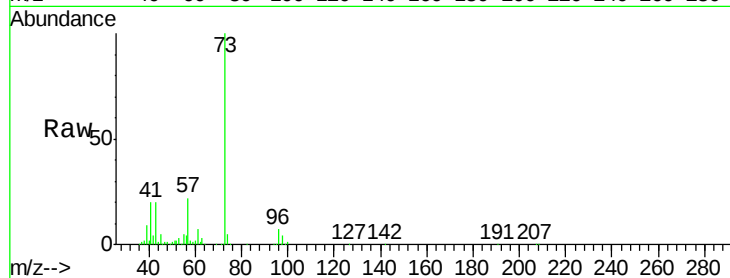
#19
Methyl tert-butyl Ether
Concen: 53.099 ug/l
RT: 3.17 min Scan# 341
Delta R.T. -0.00 min
Lab File: VX017269.D
Acq: 08 Jul 2020 20:23

Instrument :
MSVOA_X
ClientSampleId :
MH-117N-20200630MSD

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.6	17.6	26.4

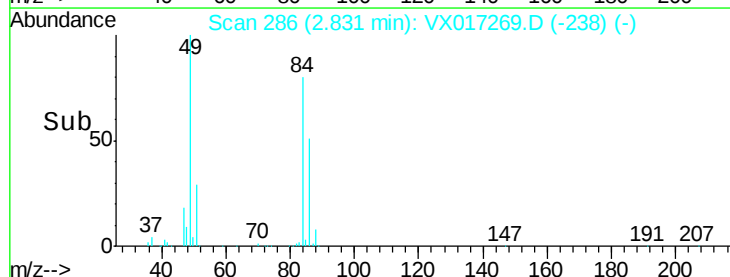
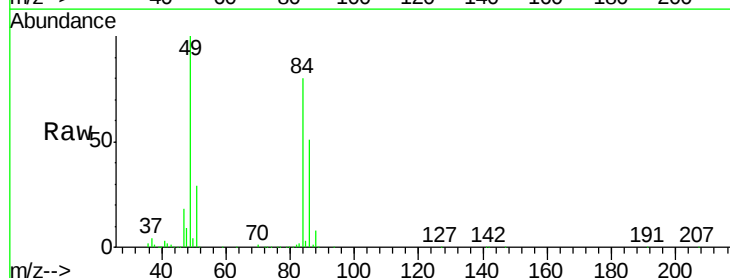
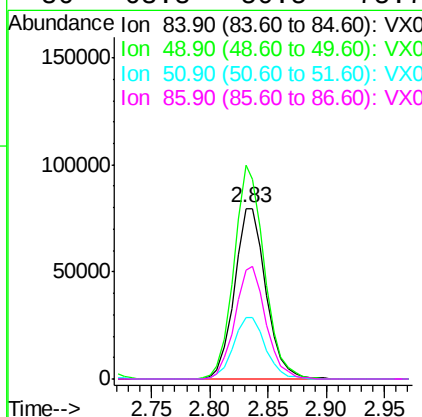
Manual Integrations
APPROVED

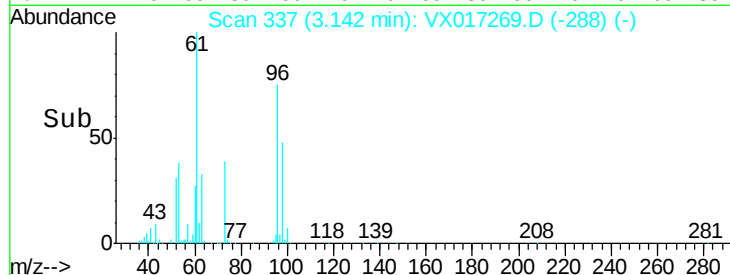
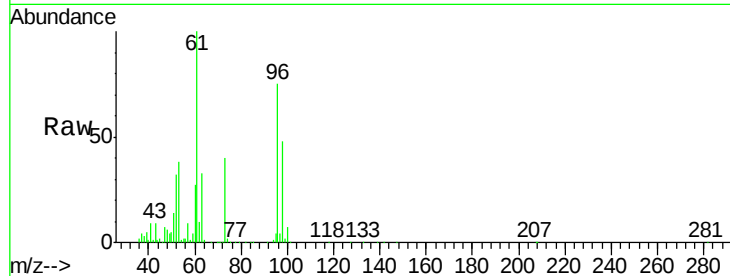
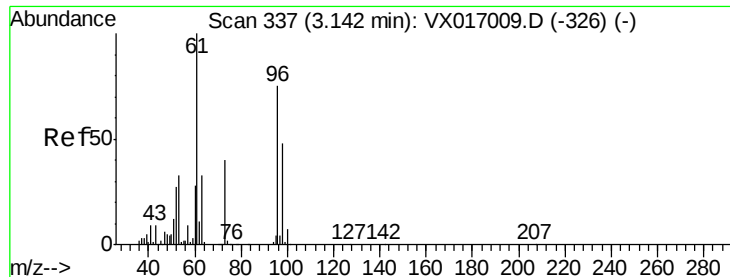
MMDadoda
7/9/2020 10:59:52 AM



#20
Methylene Chloride
Concen: 51.648 ug/l
RT: 2.83 min Scan# 286
Delta R.T. -0.01 min
Lab File: VX017269.D
Acq: 08 Jul 2020 20:23

Tgt Ion	Ratio	Lower	Upper
84	100		
49	125.1	94.7	142.1
51	35.7	28.6	42.8
86	63.8	50.5	75.7





#21

trans-1,2-Dichloroethene

Concen: 49.220 ug/l

RT: 3.14 min Scan# 337

Delta R.T. -0.00 min

Lab File: VX017269.D

Acq: 08 Jul 2020 20:23

Tot Ion:	96	Resp:	148666
Ion	Ratio	Lower	Upper
96	100		
61	133.1	107.0	160.6
98	64.5	51.6	77.4

Instrument :

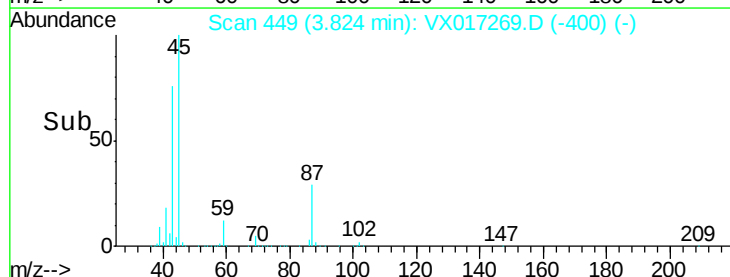
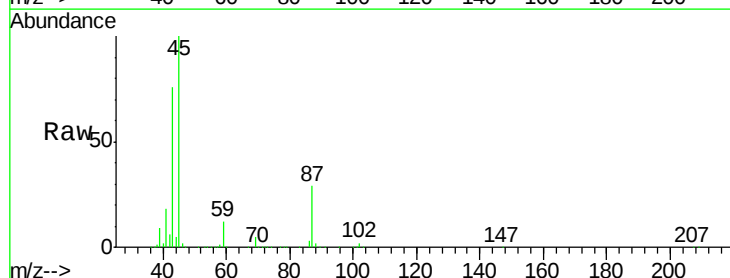
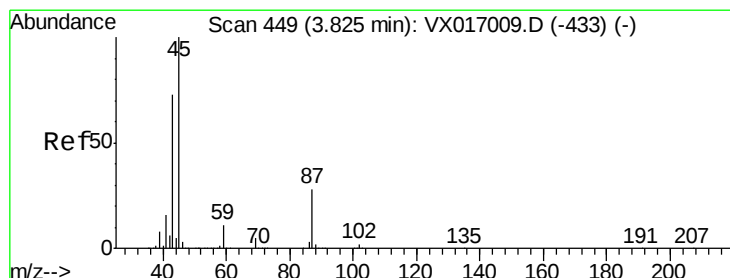
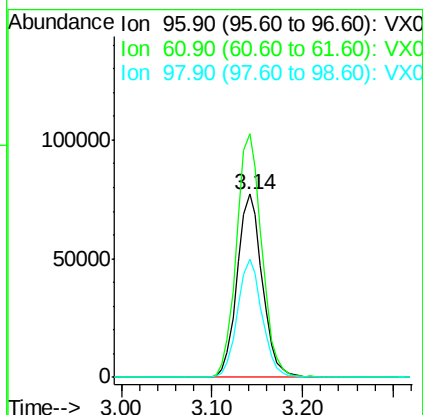
MSVOA_X

ClientSampleId :

MH-117N-20200630MSD

Manual Integrations
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7/9/2020 10:59:52 AM



#22

Diisopropyl ether

Concen: 50.348 ug/l

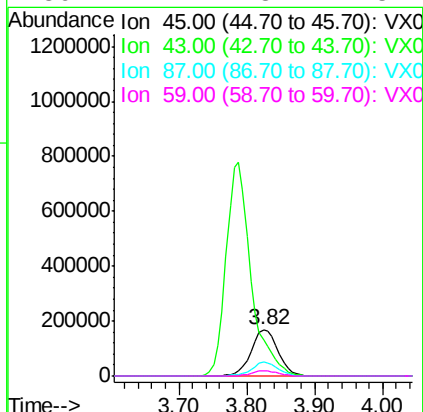
RT: 3.82 min Scan# 449

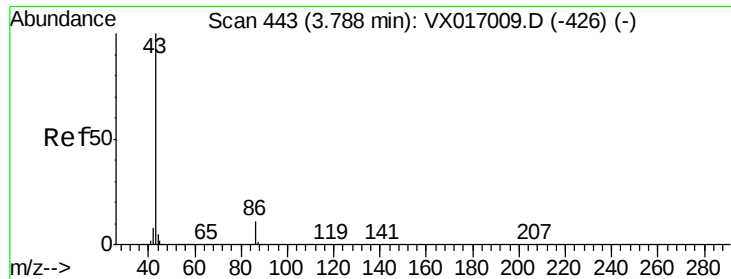
Delta R.T. -0.00 min

Lab File: VX017269.D

Acq: 08 Jul 2020 20:23

Tgt Ion:	45	Resp:	468720
Ion	Ratio	Lower	Upper
45	100		
43	75.9	58.6	88.0
87	28.9	22.6	34.0
59	11.7	8.7	13.1





#23

Vinyl Acetate

Concen: 247.680 ug/l

RT: 3.79 min Scan# 443

Delta R.T. -0.00 min

Lab File: VX017269.D

Acq: 08 Jul 2020 20:23

Instrument :

MSVOA_X

ClientSampleId :

MH-117N-20200630MSD

Tot Ion: 43 Resp: 1981405

Ion Ratio Lower Upper

43 100

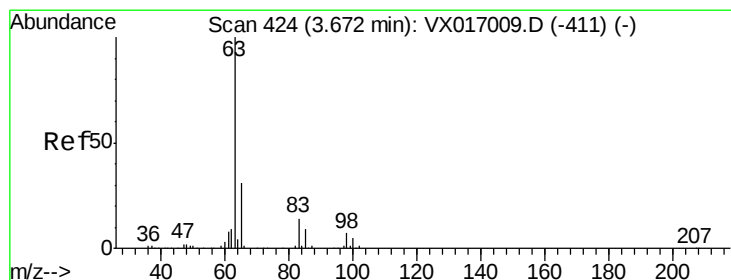
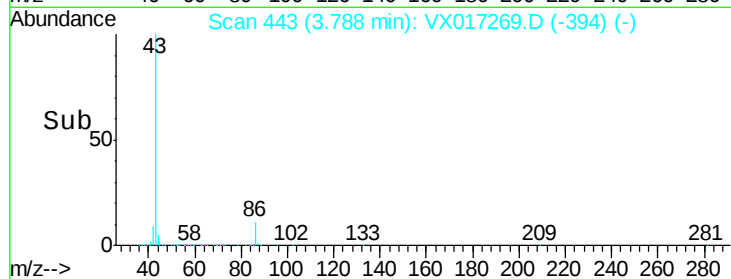
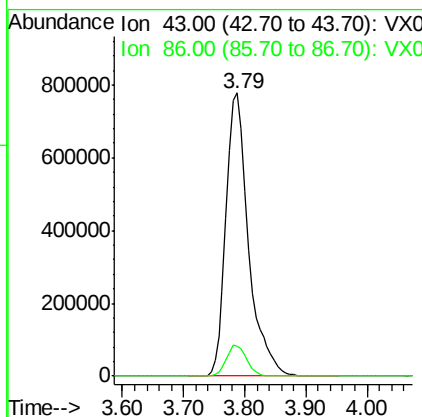
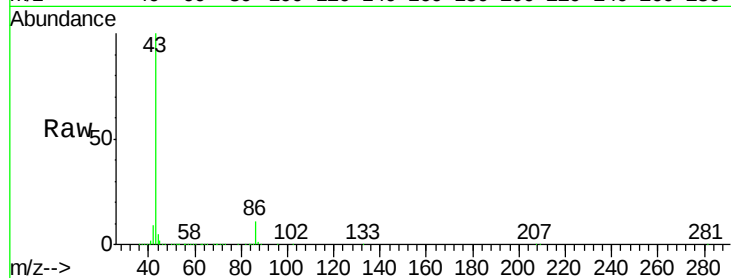
86 10.7 8.6 13.0

Manual Integrations

APPROVED

MMDadoda

7/9/2020 10:59:52 AM



#24

1,1-Dichloroethane

Concen: 49.504 ug/l

RT: 3.67 min Scan# 423

Delta R.T. -0.01 min

Lab File: VX017269.D

Acq: 08 Jul 2020 20:23

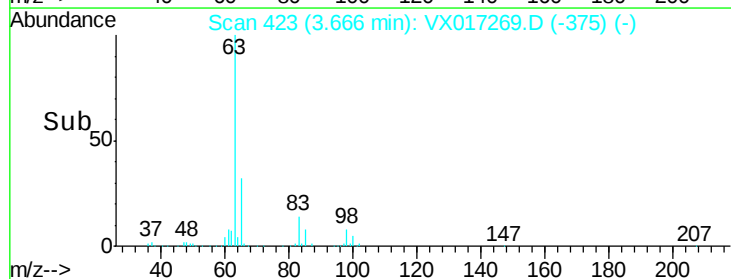
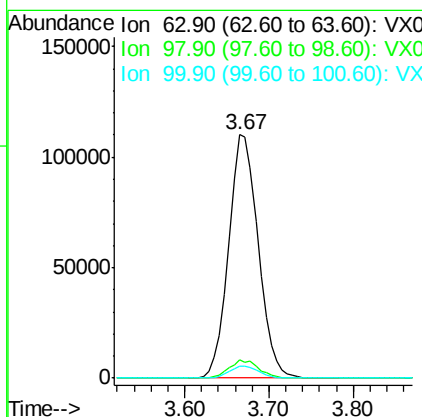
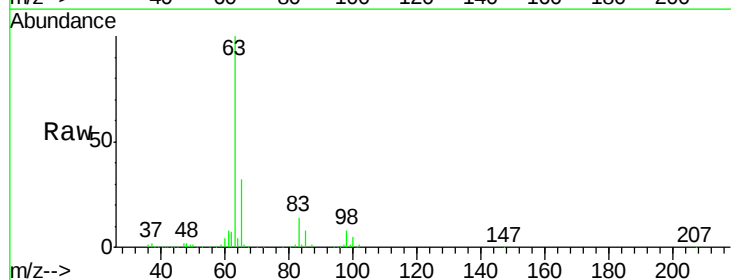
Tgt Ion: 63 Resp: 262229

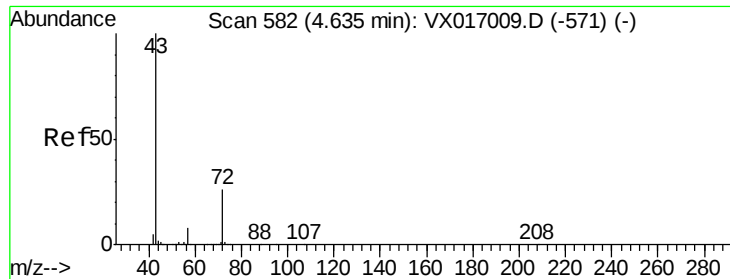
Ion Ratio Lower Upper

63 100

98 7.7 3.6 10.8

100 4.9 2.4 7.1





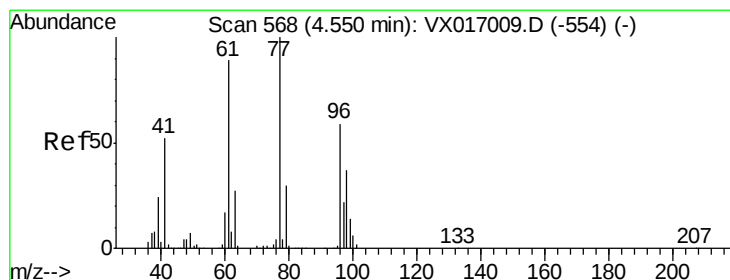
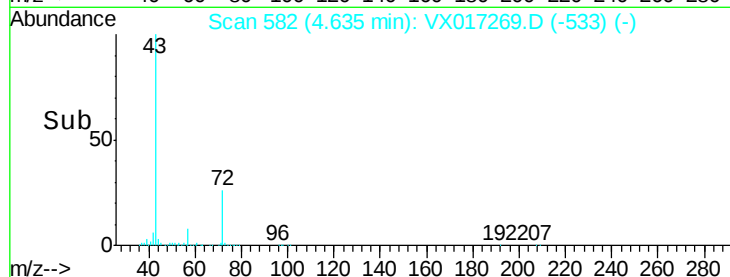
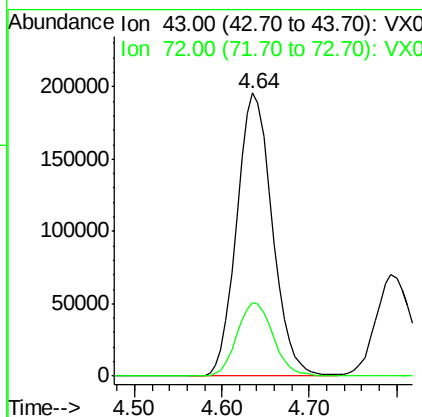
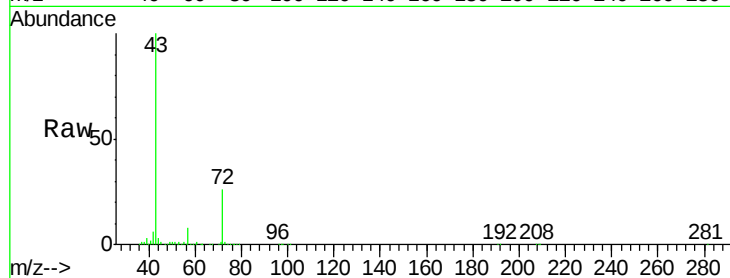
#25
2-Butanone
Concen: 260.970 ug/l
RT: 4.64 min Scan# 582
Delta R.T. -0.00 min
Lab File: VX017269.D
Acq: 08 Jul 2020 20:23

Instrument :
MSVOA_X
ClientSampleId :
MH-117N-20200630MSD

Tot Ion: 43 Resp: 551687
Ion Ratio Lower Upper
43 100
72 25.9 20.8 31.2

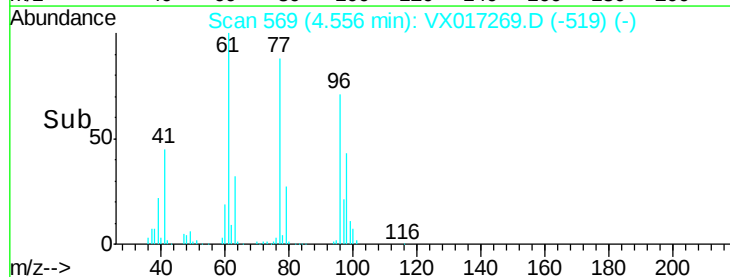
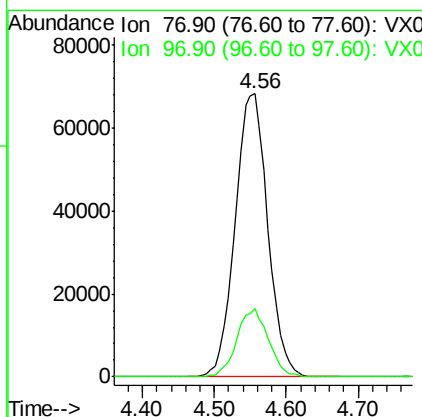
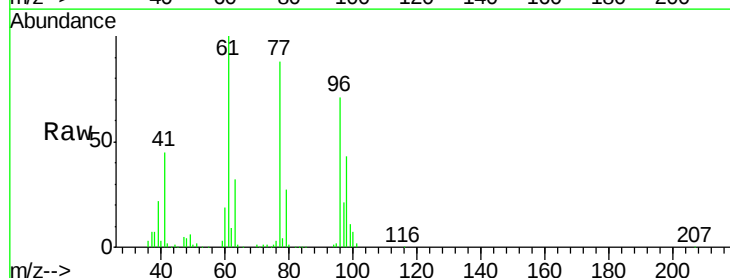
Manual Integrations
APPROVED

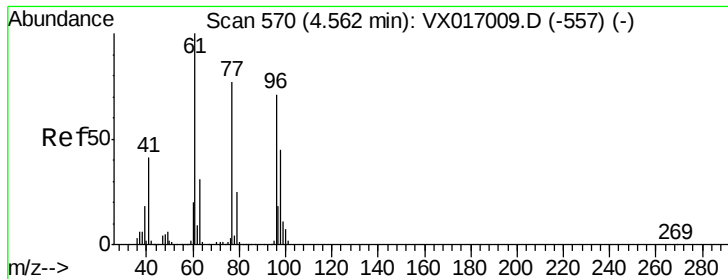
MMDadoda
7/9/2020 10:59:52 AM



#26
2,2-Dichloropropane
Concen: 45.543 ug/l
RT: 4.56 min Scan# 569
Delta R.T. 0.01 min
Lab File: VX017269.D
Acq: 08 Jul 2020 20:23

Tgt Ion: 77 Resp: 214204
Ion Ratio Lower Upper
77 100
97 23.4 11.4 34.2





#27

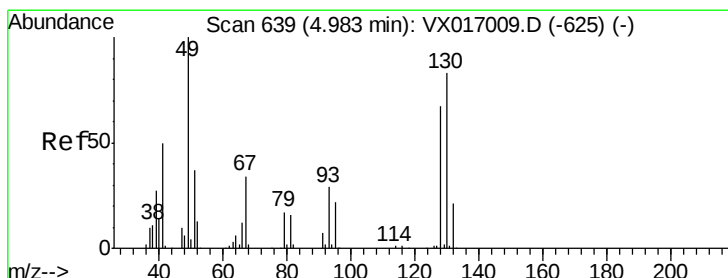
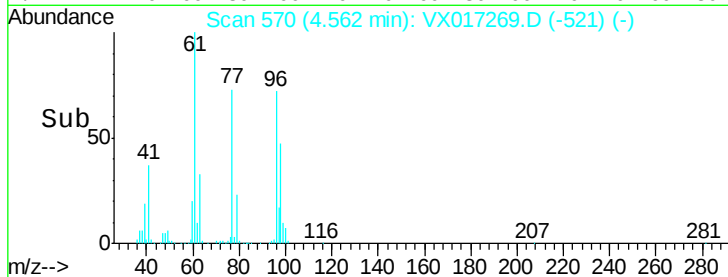
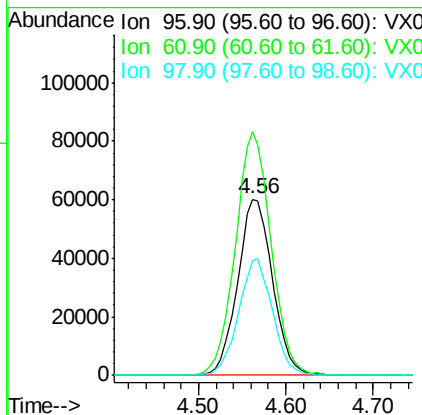
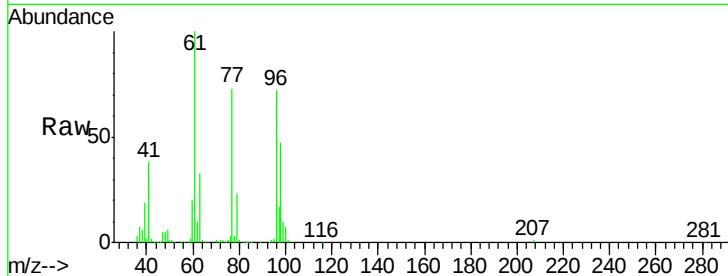
cis-1,2-Dichloroethene
Concen: 48.664 ug/l
RT: 4.56 min Scan# 570
Delta R.T. -0.00 min
Lab File: VX017269.D
Acq: 08 Jul 2020 20:23

Instrument :
MSVOA_X
ClientSampleId :
MH-117N-20200630MSD

Tot Ion	Ratio	Resp	Lower	Upper
96	100	166544		
61	141.6	0.0	282.8	
98	64.3	0.0	127.6	

Manual Integrations
APPROVED

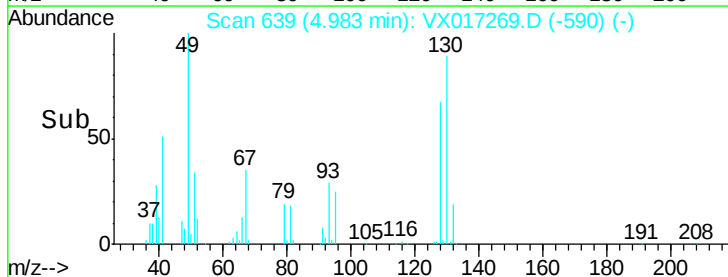
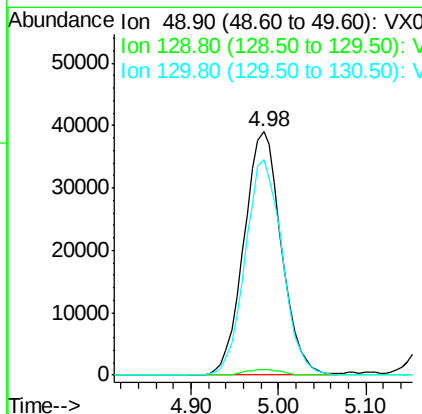
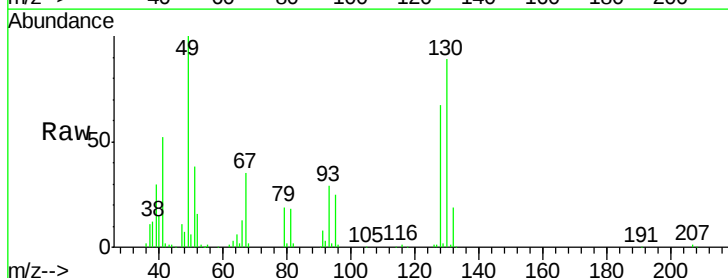
MMDadoda
7/9/2020 10:59:52 AM

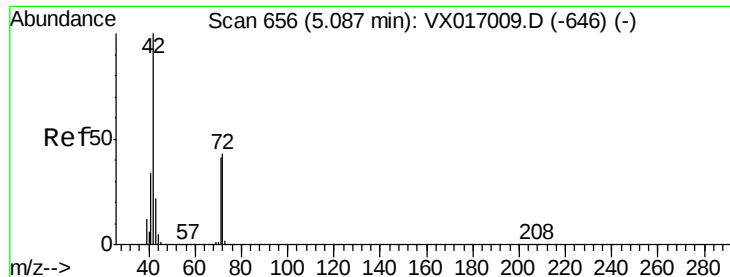


#28

Bromochloromethane
Concen: 45.074 ug/l
RT: 4.98 min Scan# 639
Delta R.T. -0.00 min
Lab File: VX017269.D
Acq: 08 Jul 2020 20:23

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	116187		
129	2.4	0.0	4.2	
130	87.8	66.6	100.0	





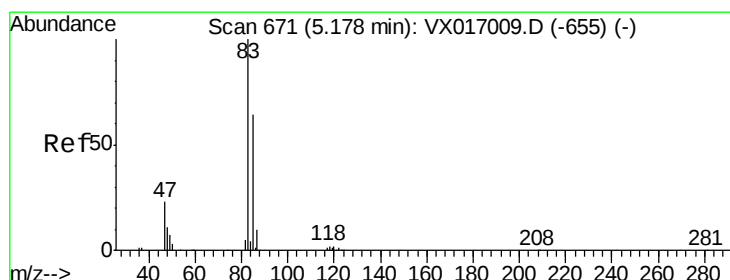
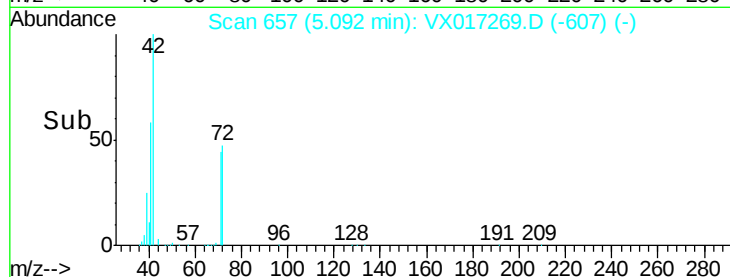
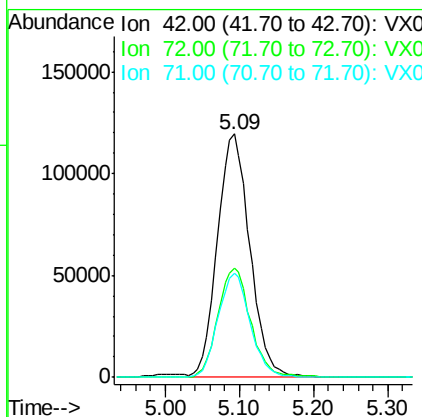
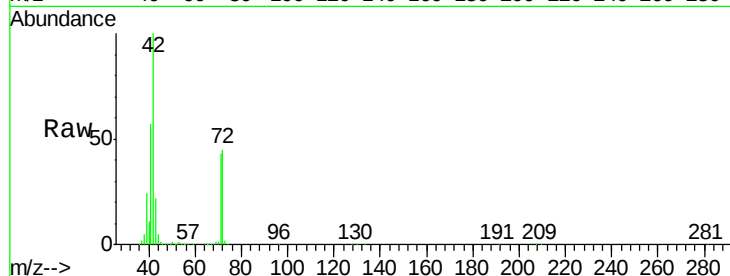
#29
Tetrahydrofuran
Concen: 257.812 ug/l
RT: 5.09 min Scan# 657
Delta R.T. 0.01 min
Lab File: VX017269.D
Acq: 08 Jul 2020 20:23

Instrument :
MSVOA_X
ClientSampleId :
MH-117N-20200630MSD

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.7	35.3	52.9
71	42.4	33.1	49.7

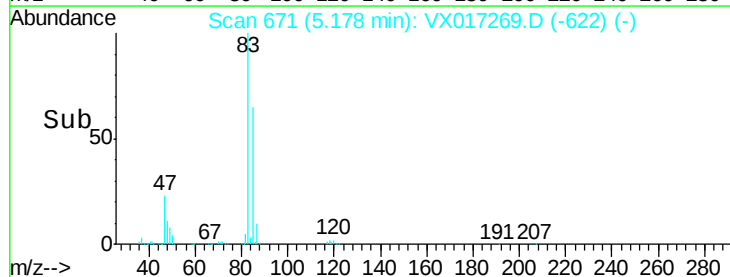
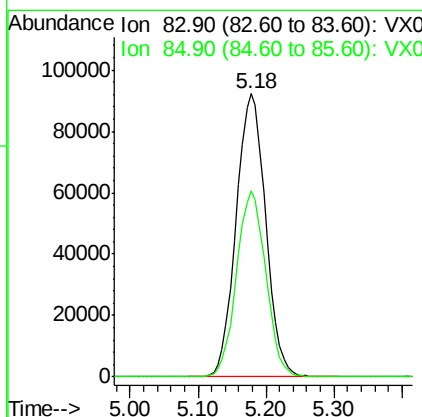
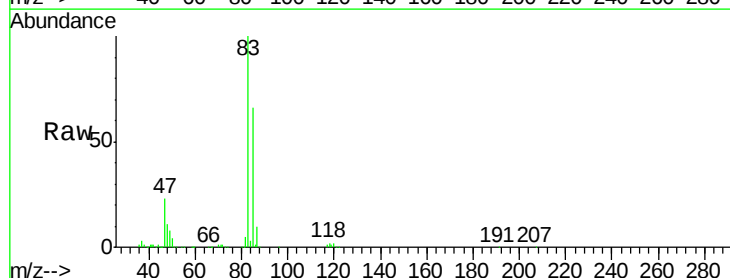
Manual Integrations
APPROVED

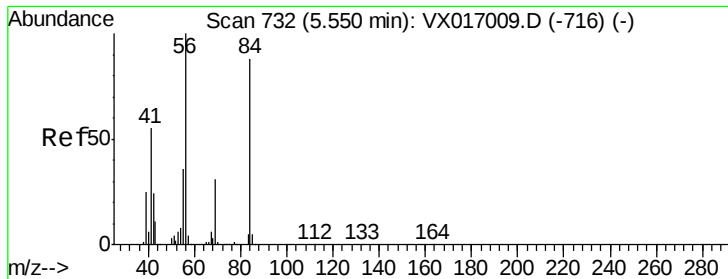
MMDadoda
7/9/2020 10:59:52 AM



#30
Chloroform
Concen: 51.308 ug/l
RT: 5.18 min Scan# 671
Delta R.T. -0.00 min
Lab File: VX017269.D
Acq: 08 Jul 2020 20:23

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.8	51.4	77.2





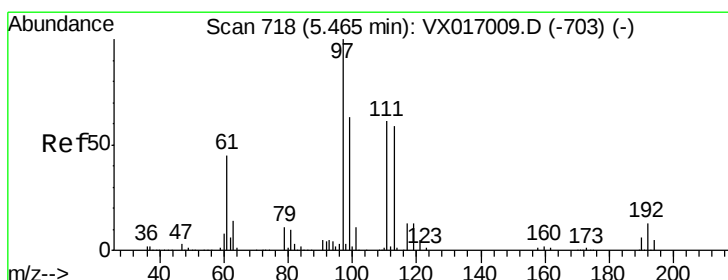
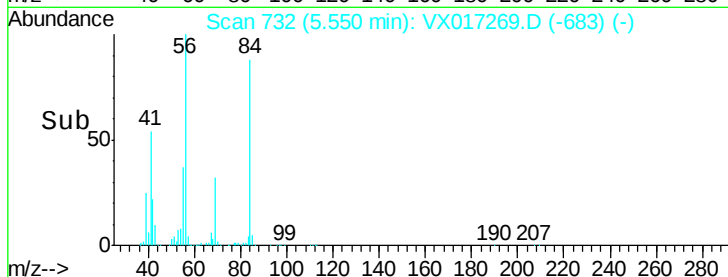
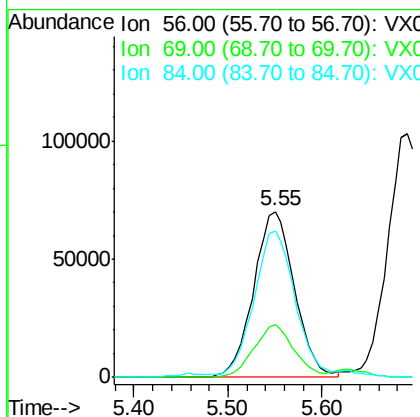
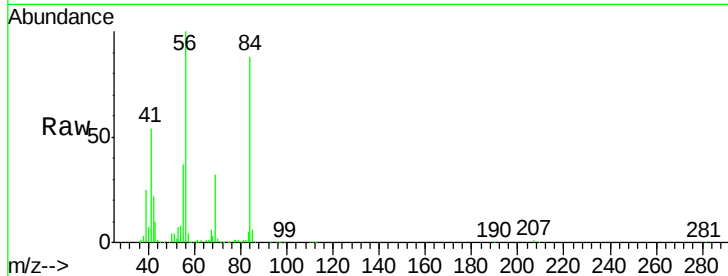
#31
Cyclohexane
Concen: 46.594 ug/l
RT: 5.55 min Scan# 732
Delta R.T. -0.00 min
Lab File: VX017269.D
Acq: 08 Jul 2020 20:23

Instrument :
MSVOA_X
ClientSampleId :
MH-117N-20200630MSD

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
69	31.5	25.0	37.4	
84	85.8	69.1	103.7	

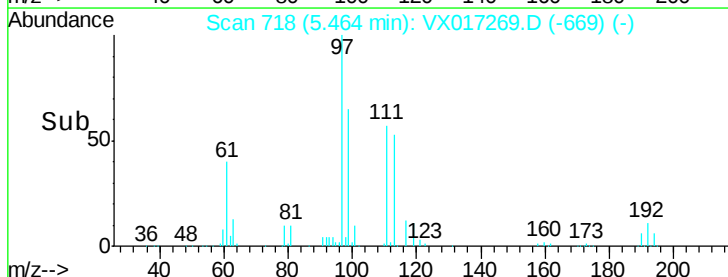
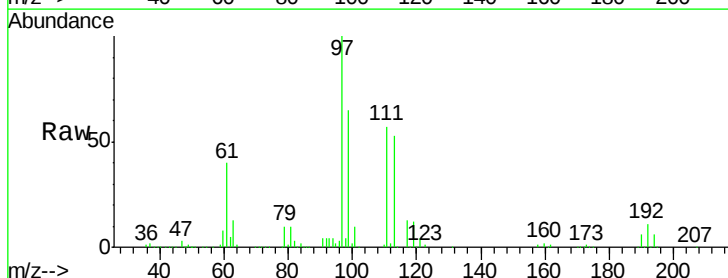
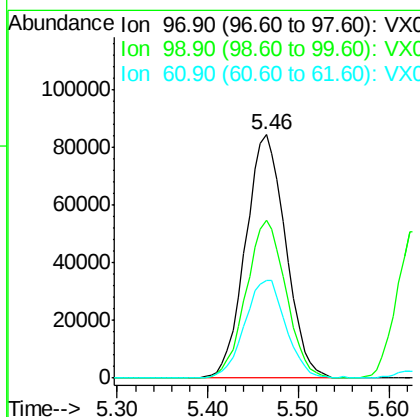
Manual Integrations
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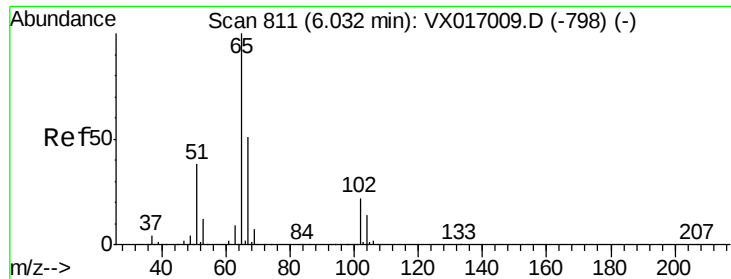
MMDadoda
7/9/2020 10:59:52 AM



#32
1,1,1-Trichloroethane
Concen: 51.715 ug/l
RT: 5.46 min Scan# 718
Delta R.T. -0.00 min
Lab File: VX017269.D
Acq: 08 Jul 2020 20:23

Tgt Ion	Ion	Ratio	Lower	Upper
97	100			
99	64.1	50.8	76.2	
61	41.4	33.7	50.5	





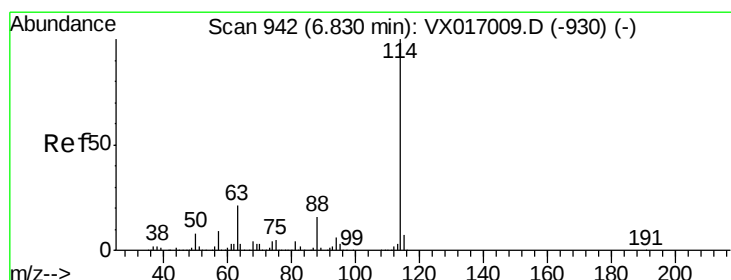
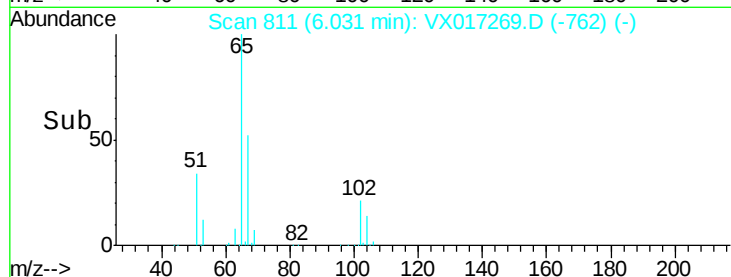
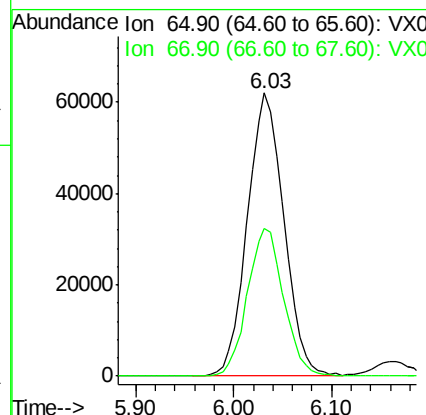
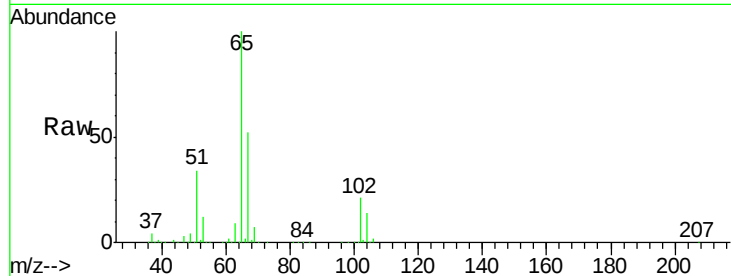
#33
 1,2-Dichloroethane-d4
 Concen: 47.452 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: VX017269.D
 Acq: 08 Jul 2020 20:23

Instrument :
 MSVOA_X
 ClientSampleId :
 MH-117N-20200630MSD

Tot Ion	Ratio	Resp	Lower	Upper
65	100	160930		
67	51.7	0.0	103.8	

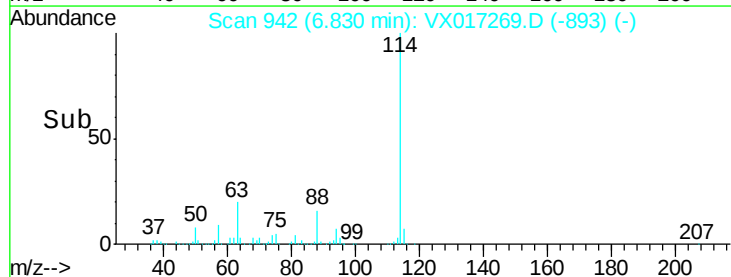
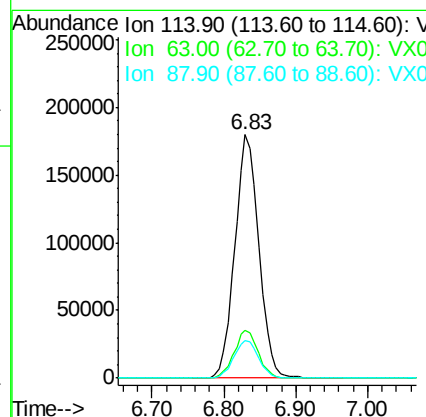
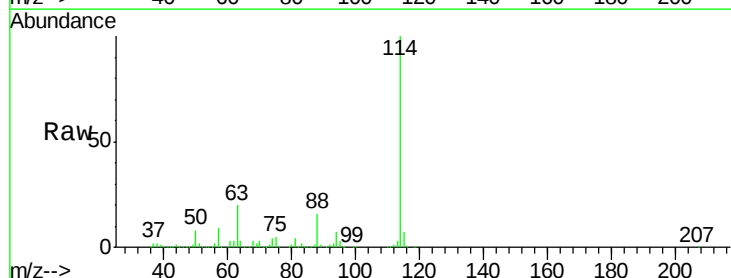
Manual Integrations
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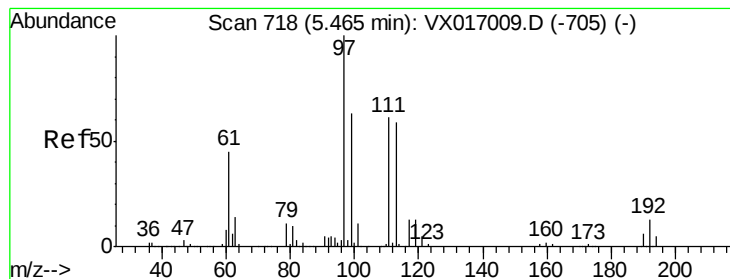
MMDadoda
 7/9/2020 10:59:52 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. -0.00 min
 Lab File: VX017269.D
 Acq: 08 Jul 2020 20:23

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	416481		
63	19.8	0.0	41.4	
88	15.5	0.0	32.4	





#35

Dibromofluoromethane

Concen: 49.855 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX017269.D

Acq: 08 Jul 2020 20:23

Instrument :

MSVOA_X

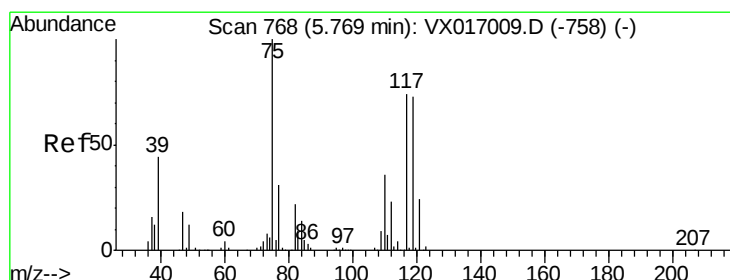
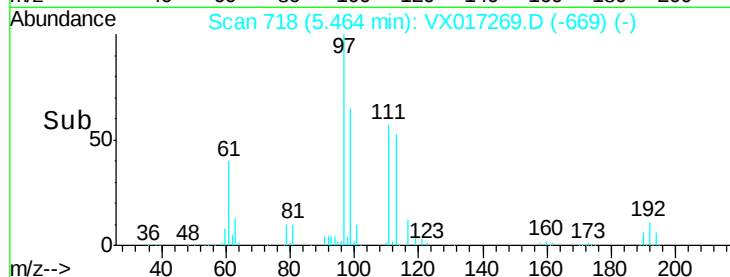
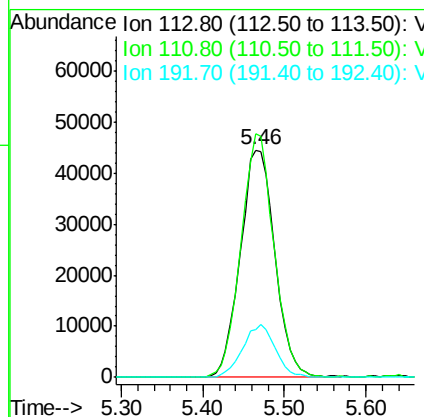
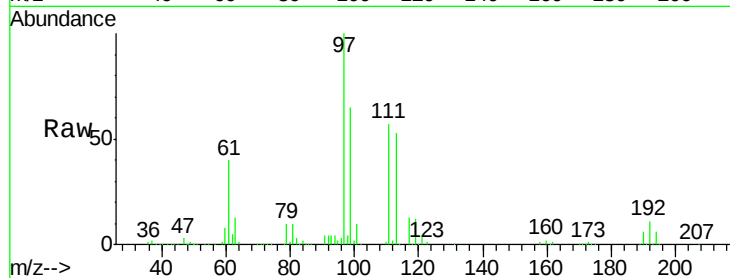
ClientSampleId :

MH-117N-20200630MSD

Tot Ion:	113	Resp:	131345
Ion Ratio	Lower	Upper	
113	100		
111	102.1	81.9	122.9
192	21.9	16.7	25.1

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#36

1,1-Dichloropropene

Concen: 50.422 ug/l

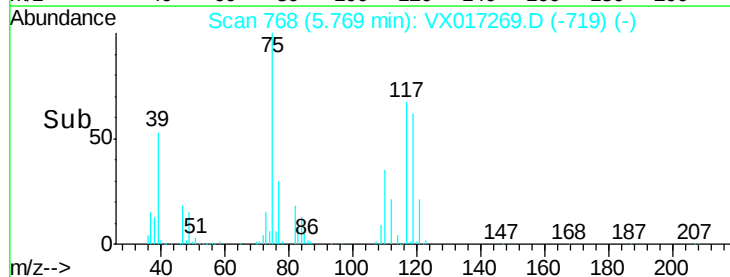
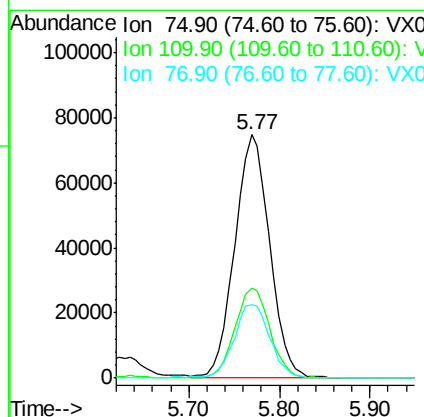
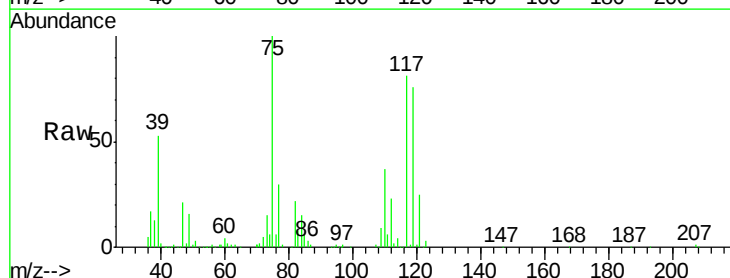
RT: 5.77 min Scan# 768

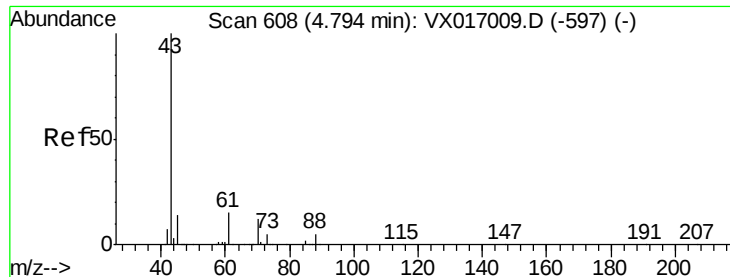
Delta R.T. -0.00 min

Lab File: VX017269.D

Acq: 08 Jul 2020 20:23

Tgt Ion:	75	Resp:	198473
Ion Ratio	Lower	Upper	
75	100		
110	37.4	18.1	54.1
77	31.3	24.6	37.0





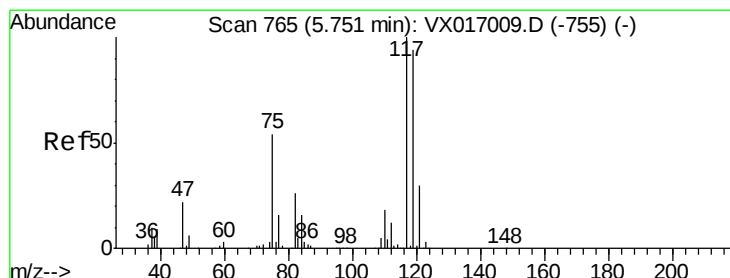
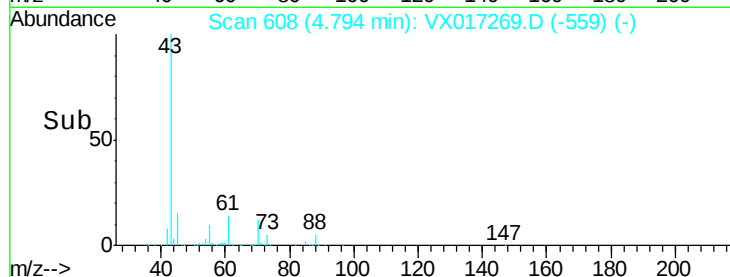
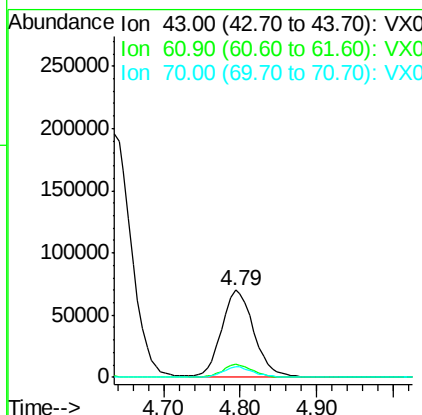
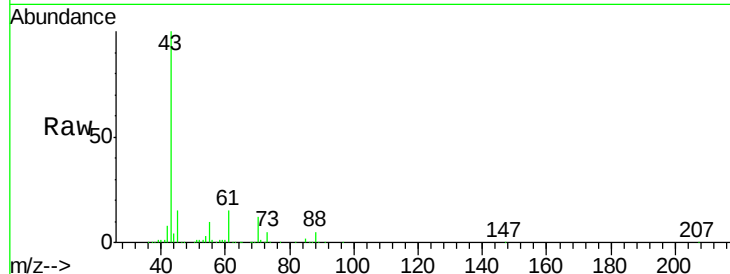
#37
Ethyl Acetate
Concen: 50.895 ug/l
RT: 4.79 min Scan# 608
Delta R.T. -0.00 min
Lab File: VX017269.D
Acq: 08 Jul 2020 20:23

Instrument :
MSVOA_X
ClientSampleId :
MH-117N-20200630MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.3	11.0	16.4
70	11.7	8.9	13.3

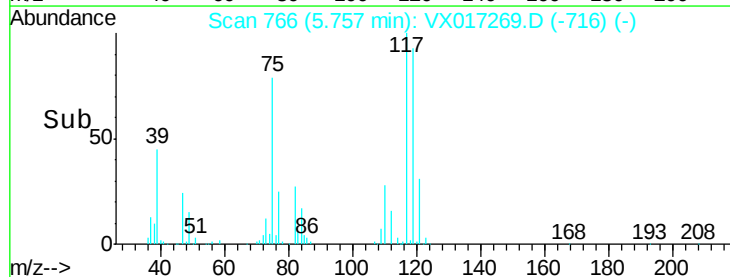
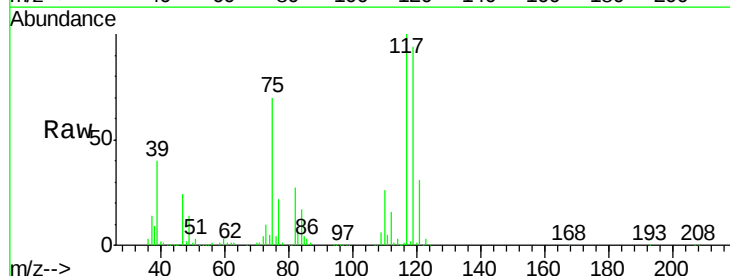
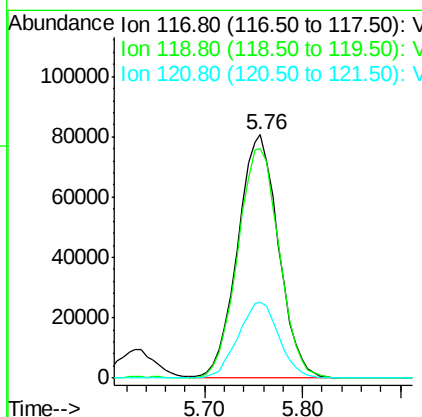
Manual Integrations
APPROVED

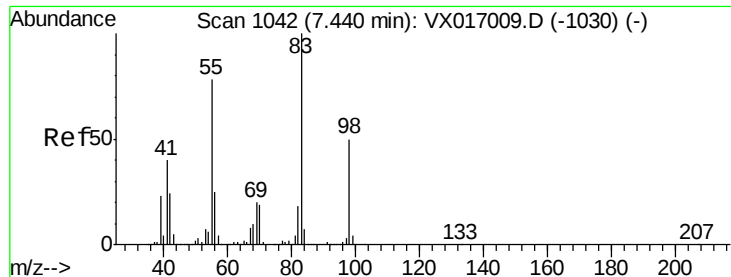
MMDadoda
7/9/2020 10:59:52 AM



#38
Carbon Tetrachloride
Concen: 53.818 ug/l
RT: 5.76 min Scan# 766
Delta R.T. 0.01 min
Lab File: VX017269.D
Acq: 08 Jul 2020 20:23

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.2	75.4	113.0
121	31.0	23.8	35.6





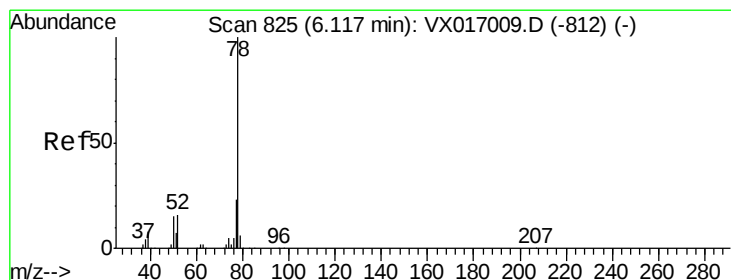
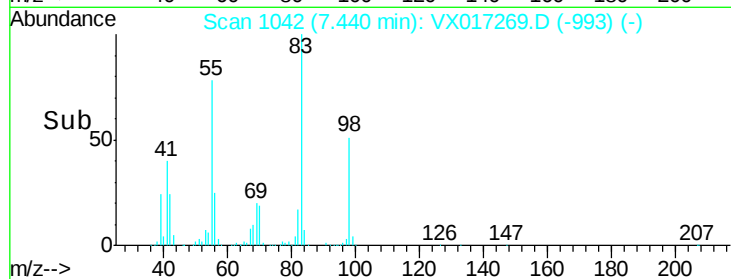
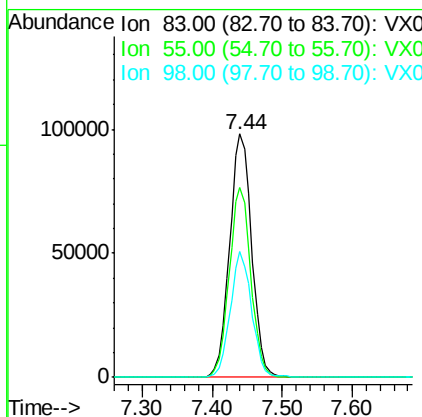
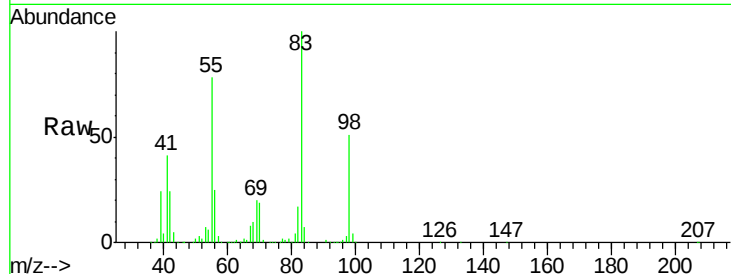
#39
Methvlcvclohexane
Concen: 49.068 ug/l
RT: 7.44 min Scan# 1042
Delta R.T. -0.00 min
Lab File: VX017269.D
Acq: 08 Jul 2020 20:23

Instrument :
MSVOA_X
ClientSampleId :
MH-117N-20200630MSD

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.9	62.5	93.7
98	51.5	40.1	60.1

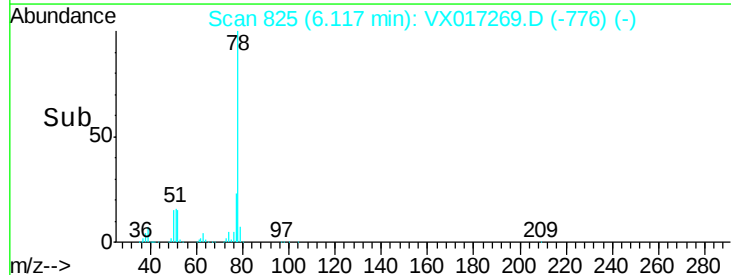
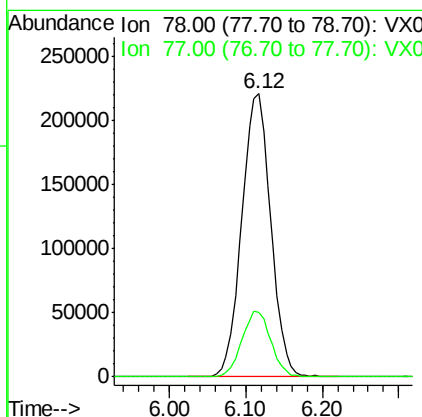
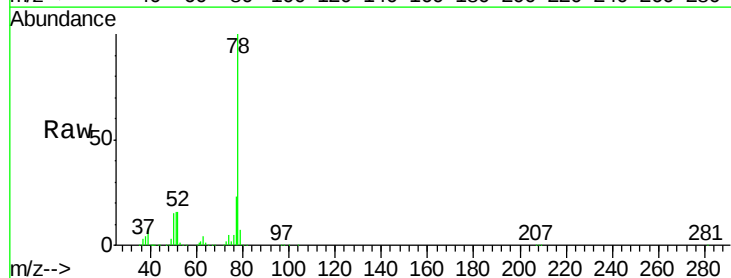
Manual Integrations
APPROVED

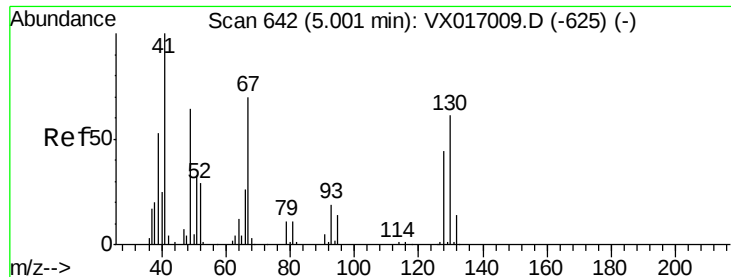
MMDadoda
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#40
Benzene
Concen: 50.339 ug/l
RT: 6.12 min Scan# 825
Delta R.T. -0.00 min
Lab File: VX017269.D
Acq: 08 Jul 2020 20:23

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.9	18.3	27.5





#41

Methacrylonitrile

Concen: 52.772 ug/l

RT: 5.00 min Scan# 642

Delta R.T. -0.00 min

Lab File: VX017269.D

Acq: 08 Jul 2020 20:23

Instrument :

MSVOA_X

ClientSampleId :

MH-117N-20200630MSD

Tot Ion: 41 Resp: 118621

Ion Ratio Lower Upper

41 100

39 54.4 44.4 66.6

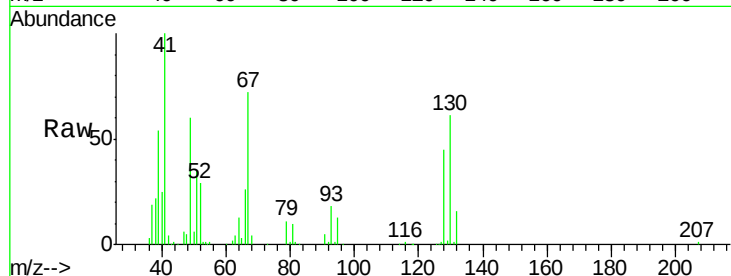
67 73.2 57.1 85.7

52 31.1 23.2 34.8

Manual Integrations
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MMDadoda

7/9/2020 10:59:52 AM



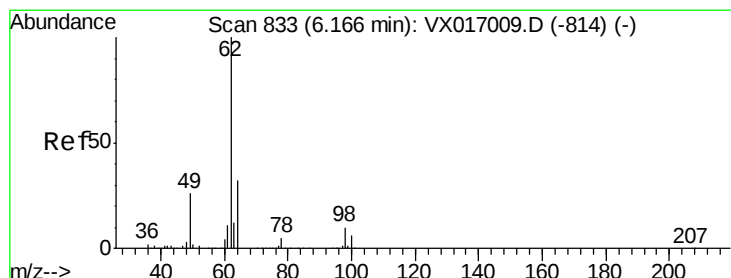
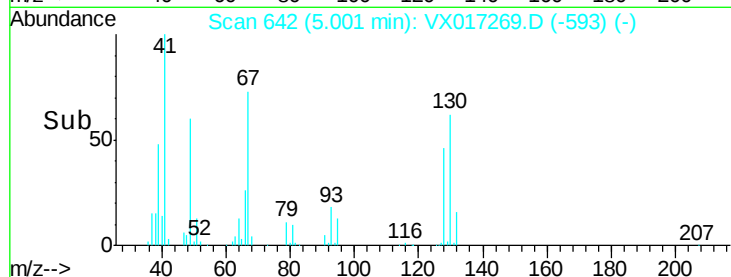
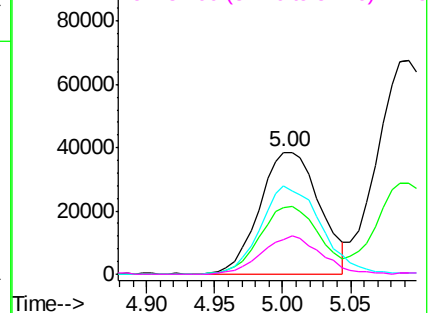
Abundance

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 54.187 ug/l

RT: 6.17 min Scan# 833

Delta R.T. -0.00 min

Lab File: VX017269.D

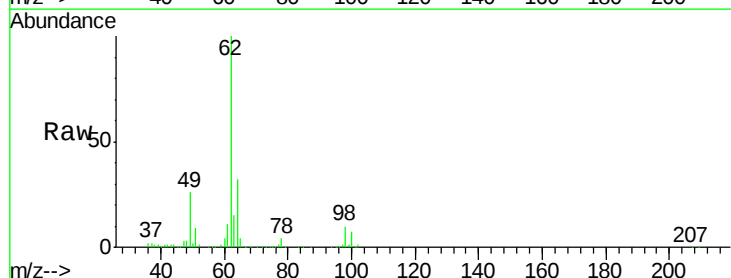
Acq: 08 Jul 2020 20:23

Tgt Ion: 62 Resp: 226368

Ion Ratio Lower Upper

62 100

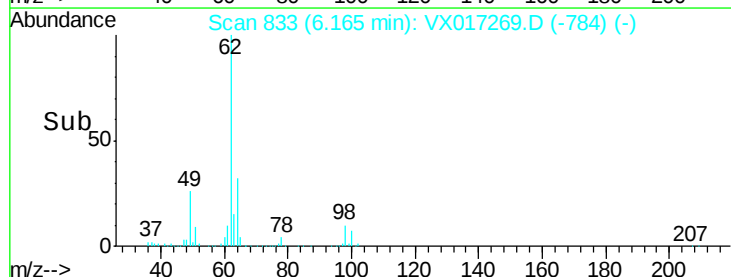
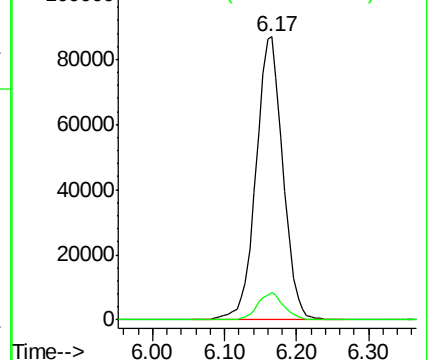
98 9.4 0.0 19.2

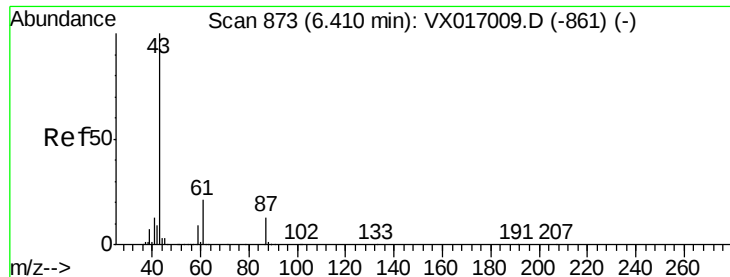


Abundance

Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

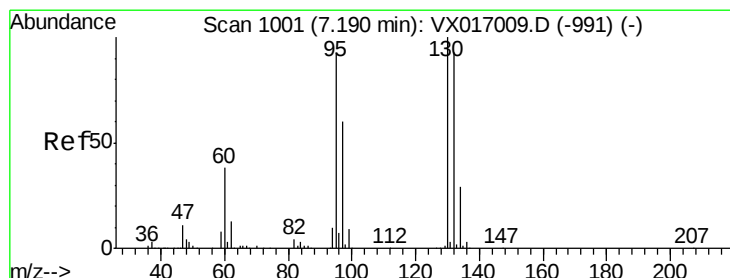
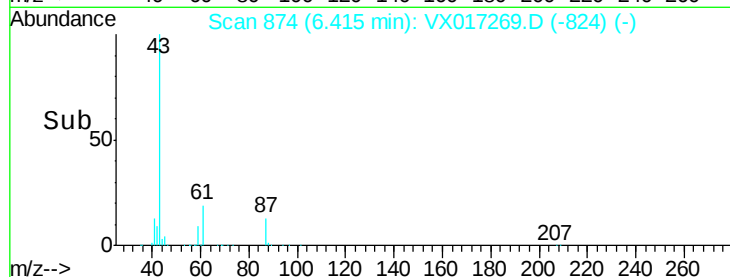
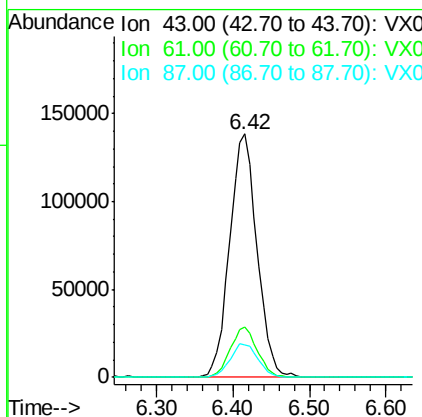
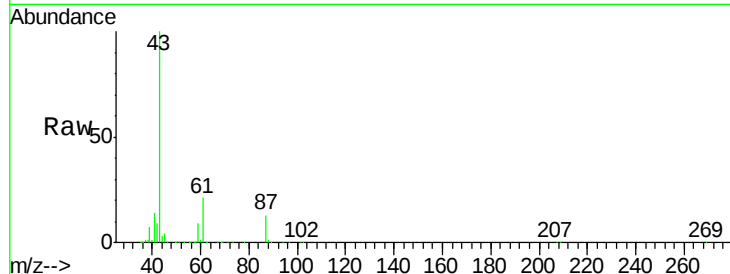
Isopropyl Acetate
 Concen: 51.481 ug/l
 RT: 6.42 min Scan# 874
 Delta R.T. 0.01 min
 Lab File: VX017269.D
 Acq: 08 Jul 2020 20:23

Instrument :
 MSVOA_X
 ClientSampleId :
 MH-117N-20200630MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.5	16.2	24.2
87	14.2	10.7	16.1

Manual Integrations
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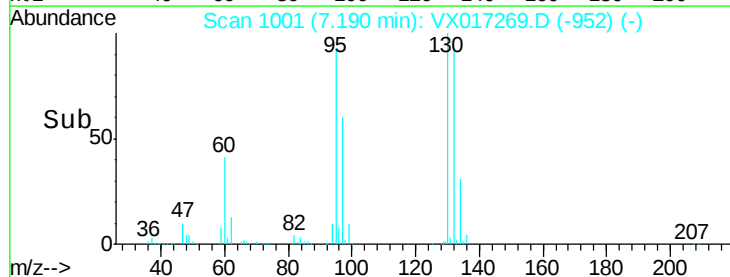
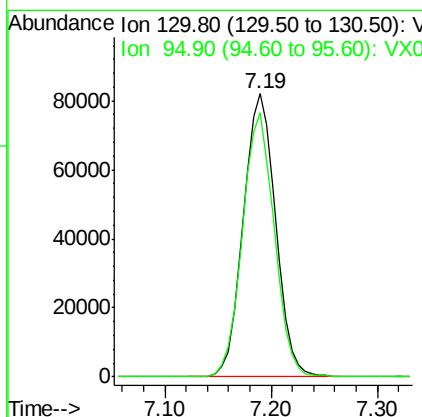
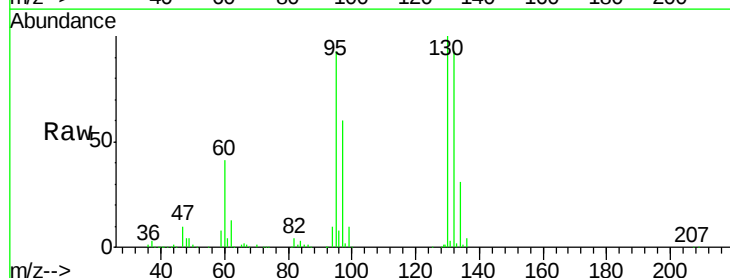
MMDadoda
 7/9/2020 10:59:52 AM



#44

Trichloroethene
 Concen: 54.881 ug/l
 RT: 7.19 min Scan# 1001
 Delta R.T. 0.00 min
 Lab File: VX017269.D
 Acq: 08 Jul 2020 20:23

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.2	0.0	185.0





#45

1,2-Dichloropropane

Concen: 51.563 ug/l

RT: 7.49 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VX017269.D

Acq: 08 Jul 2020 20:23

Instrument :

MSVOA_X

ClientSampleId :

MH-117N-20200630MSD

Tot Ion: 63 Resp: 153168

Ion Ratio Lower Upper

63 100

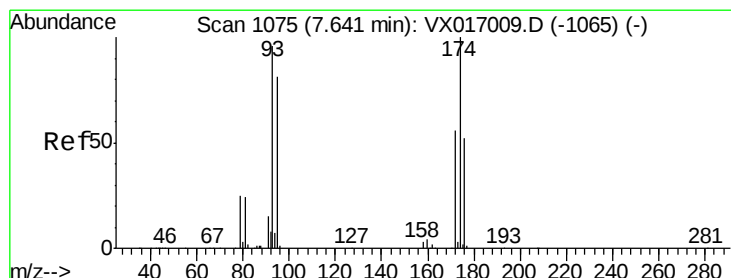
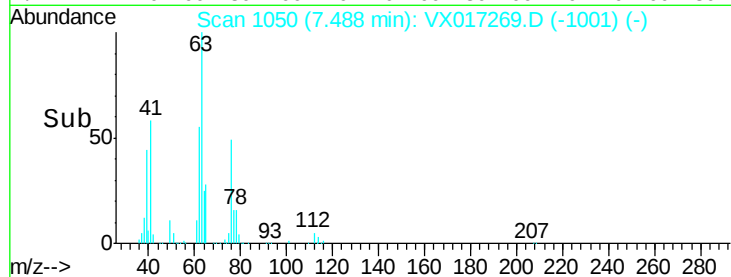
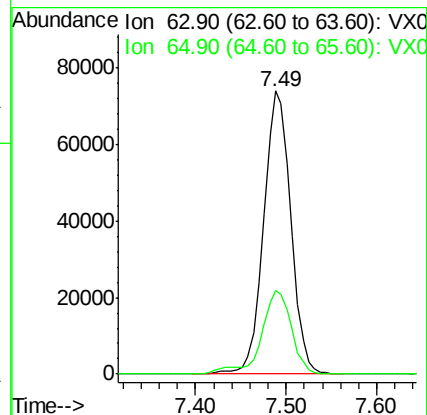
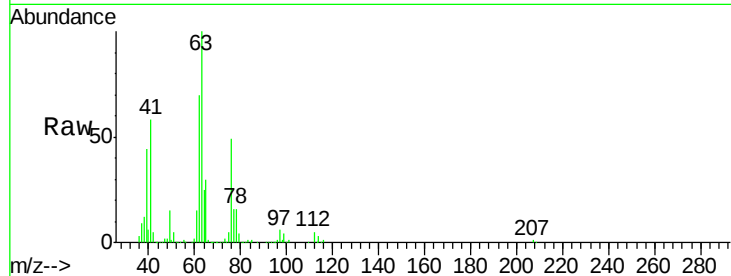
65 29.5 24.6 36.8

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#46

Dibromomethane

Concen: 52.884 ug/l

RT: 7.64 min Scan# 1075

Delta R.T. -0.00 min

Lab File: VX017269.D

Acq: 08 Jul 2020 20:23

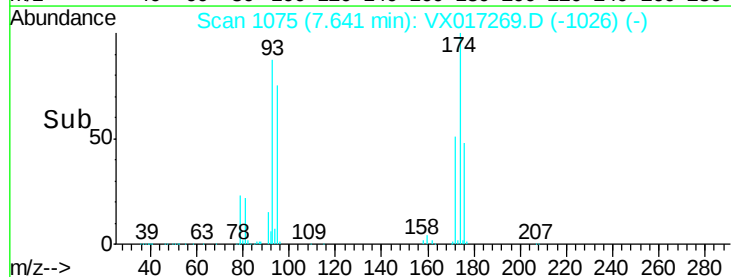
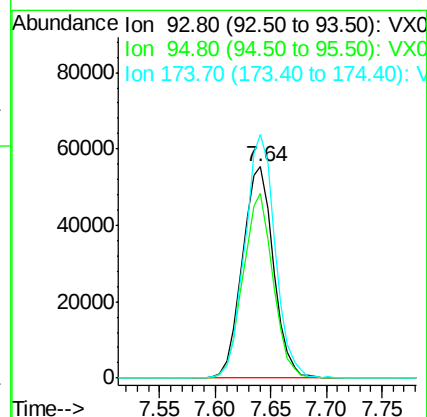
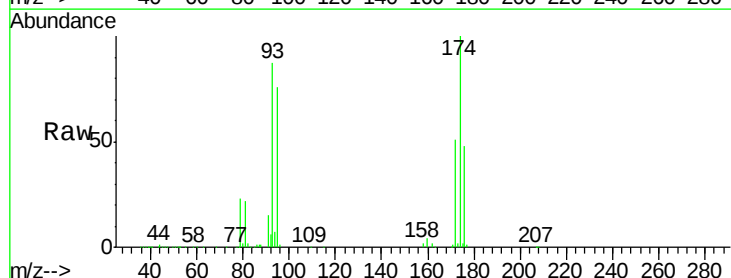
Tgt Ion: 93 Resp: 107249

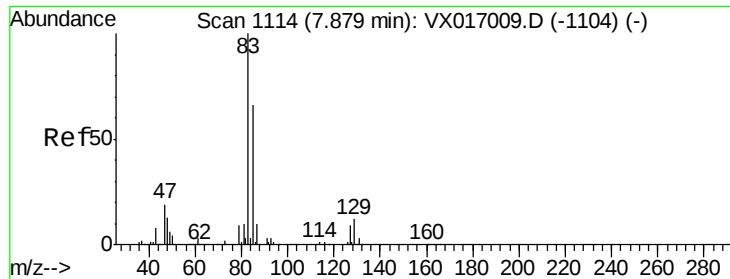
Ion Ratio Lower Upper

93 100

95 84.0 67.4 101.0

174 112.5 84.3 126.5





#47

Bromodichloromethane

Concen: 54.942 ug/l

RT: 7.87 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VX017269.D

Acq: 08 Jul 2020 20:23

Instrument :

MSVOA_X

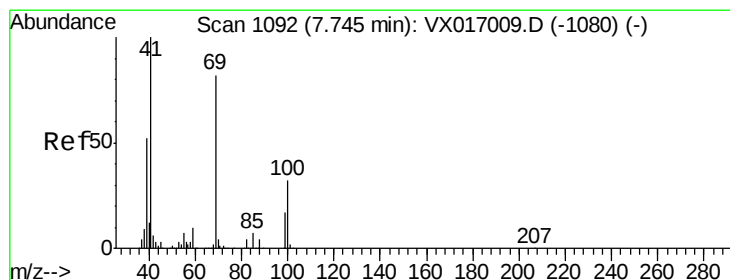
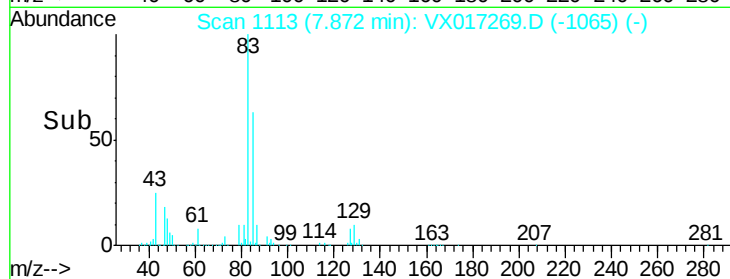
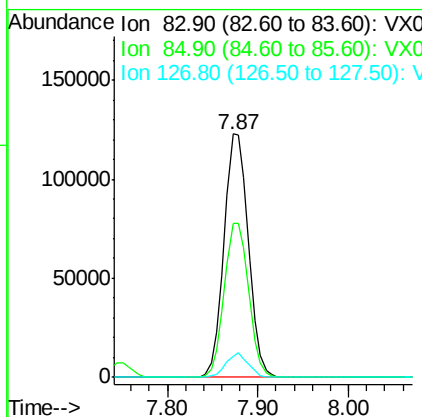
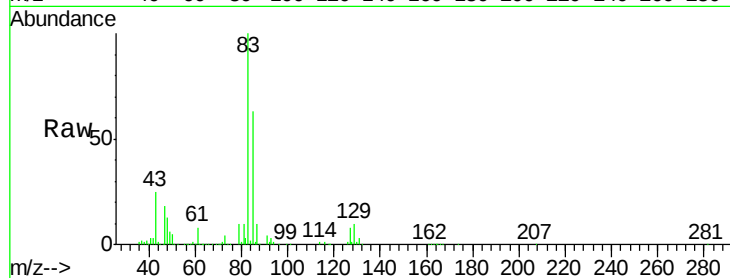
ClientSampleId :

MH-117N-20200630MSD

Tot Ion:	83	Resp:	229621
Ion	Ratio	Lower	Upper
83	100		
85	63.2	53.0	79.4
127	8.4	7.5	11.3

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#48

Methyl methacrylate

Concen: 54.848 ug/l

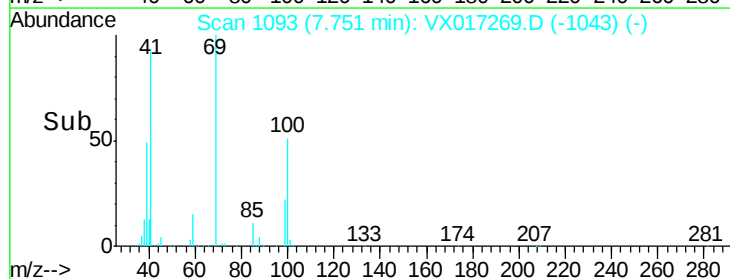
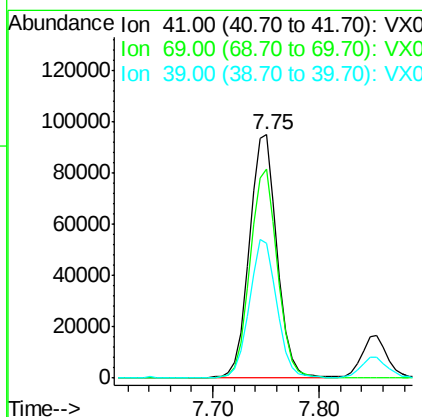
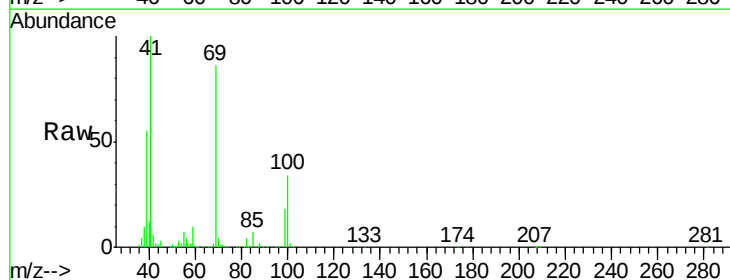
RT: 7.75 min Scan# 1093

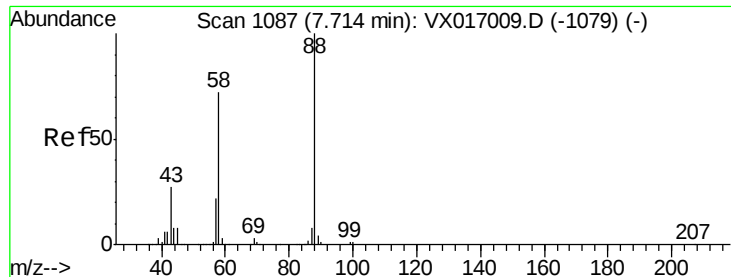
Delta R.T. 0.01 min

Lab File: VX017269.D

Acq: 08 Jul 2020 20:23

Tgt Ion:	41	Resp:	172934
Ion	Ratio	Lower	Upper
41	100		
69	85.0	65.8	98.8
39	56.5	42.5	63.7





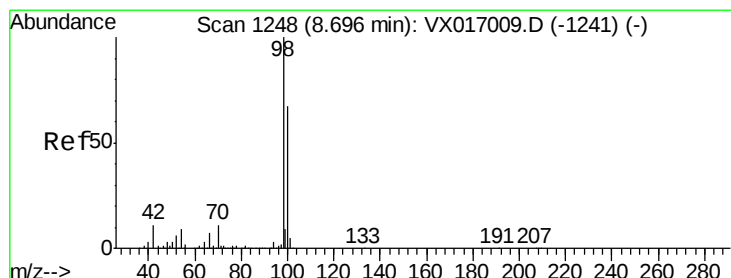
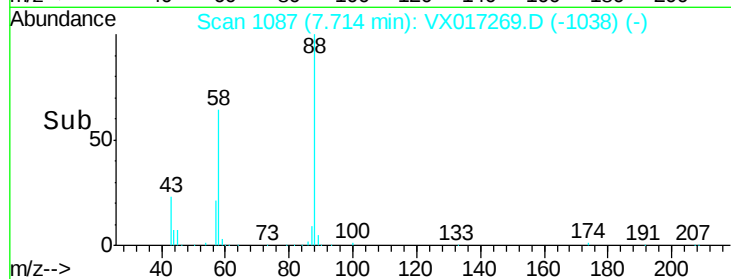
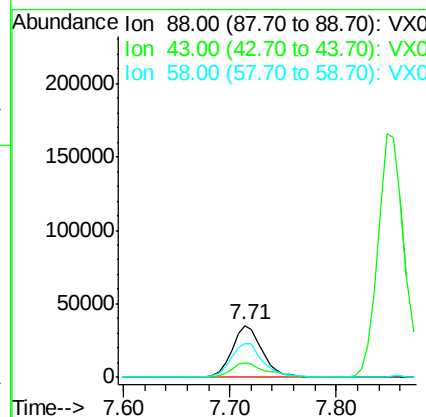
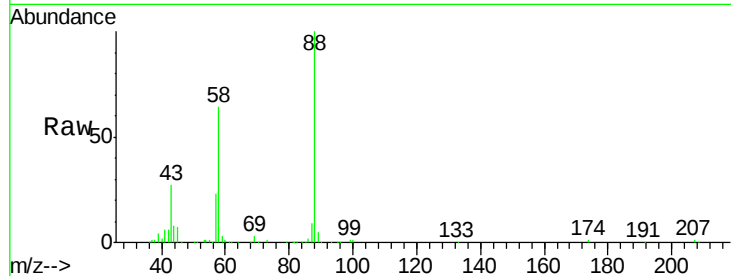
#49
1,4-Dioxane
Concen: 971.003 ug/l
RT: 7.71 min Scan# 1087
Delta R.T. -0.00 min
Lab File: VX017269.D
Acq: 08 Jul 2020 20:23

Instrument :
MSVOA_X
ClientSampleId :
MH-117N-20200630MSD

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.3	25.8	38.8
58	69.5	54.8	82.2

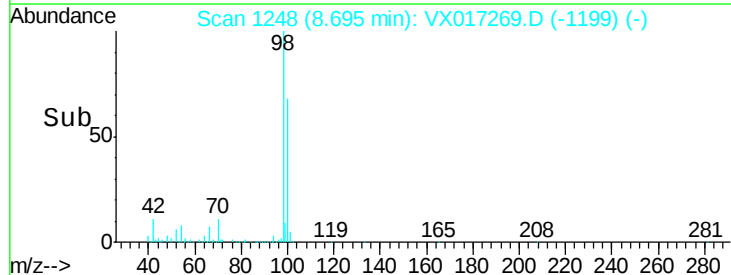
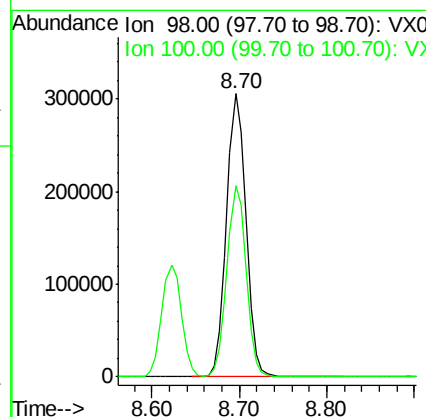
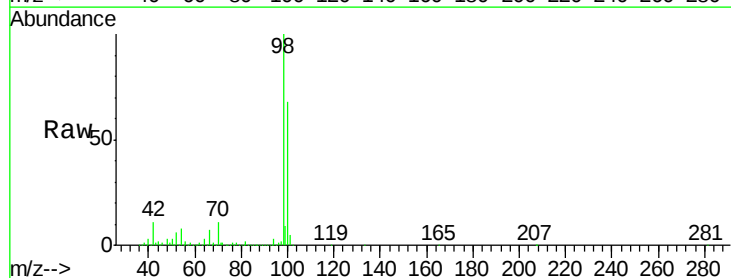
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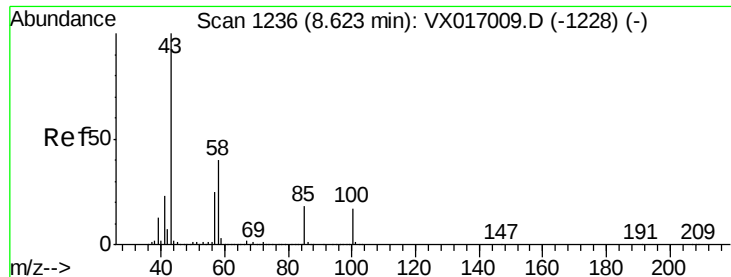
MMDadoda
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#50
Toluene-d8
Concen: 48.307 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX017269.D
Acq: 08 Jul 2020 20:23

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.1	53.8	80.6





#51

4-Methyl-2-Pentanone

Concen: 279.659 ug/l

RT: 8.62 min Scan# 1236

Delta R.T. -0.00 min

Lab File: VX017269.D

Acq: 08 Jul 2020 20:23

Instrument :

MSVOA_X

ClientSampleId :

MH-117N-20200630MSD

Tot Ion: 43 Resp: 1106327

Ion Ratio Lower Upper

43 100

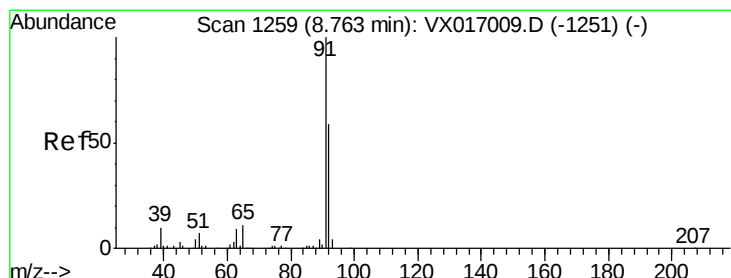
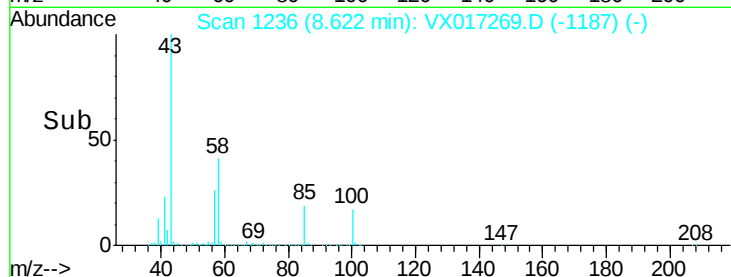
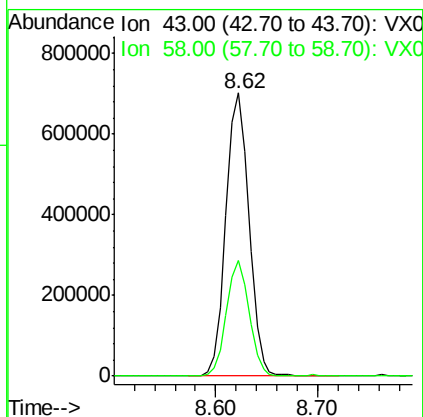
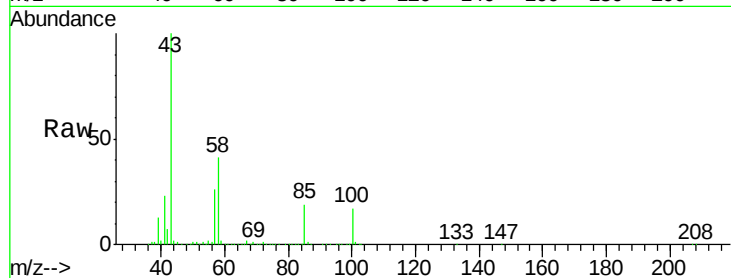
58 39.8 31.9 47.9

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#52

Toluene

Concen: 52.149 ug/l

RT: 8.77 min Scan# 1260

Delta R.T. 0.01 min

Lab File: VX017269.D

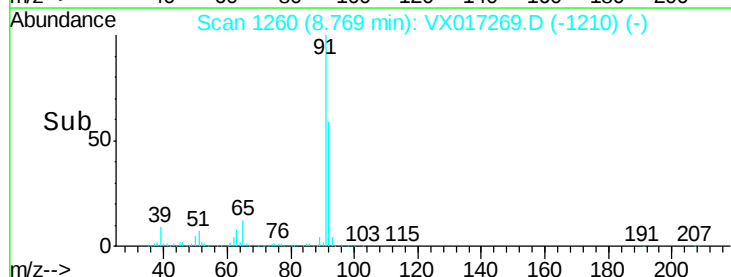
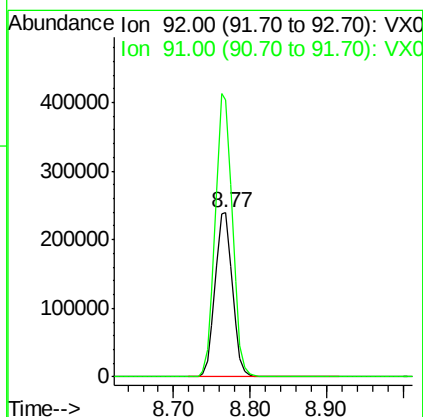
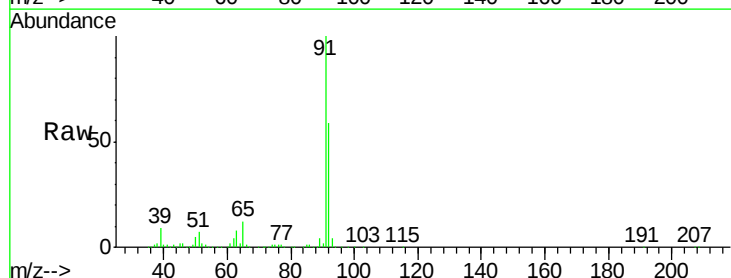
Acq: 08 Jul 2020 20:23

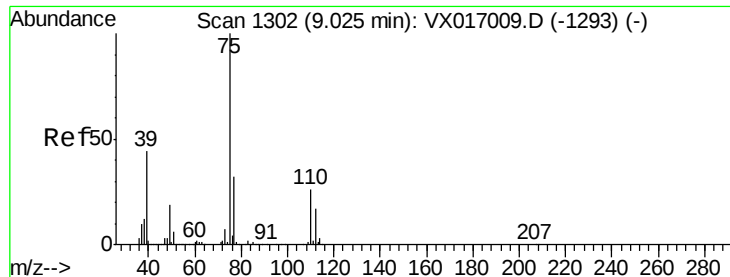
Tgt Ion: 92 Resp: 376559

Ion Ratio Lower Upper

92 100

91 170.1 136.9 205.3





#53

t-1,3-Dichloropropene

Concen: 53.866 ug/l

RT: 9.02 min Scan# 1302

Delta R.T. -0.00 min

Lab File: VX017269.D

Acq: 08 Jul 2020 20:23

Instrument :

MSVOA_X

ClientSampleId :

MH-117N-20200630MSD

Tot Ion: 75 Resp: 248387

Ion Ratio Lower Upper

75 100

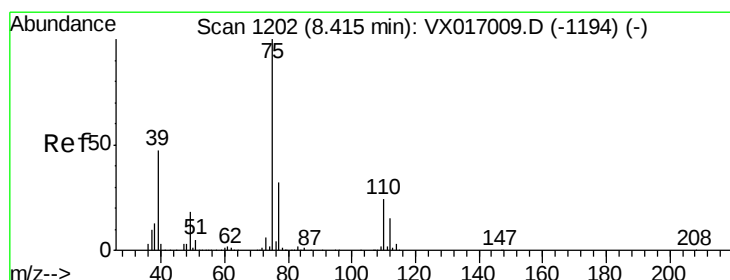
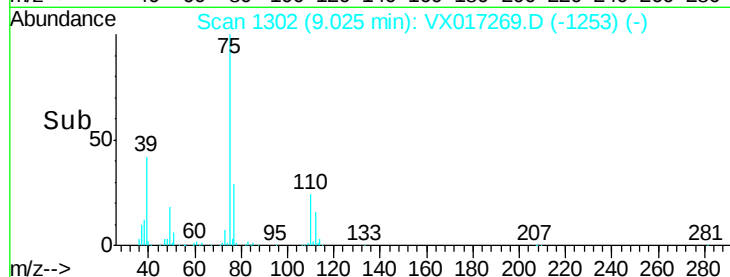
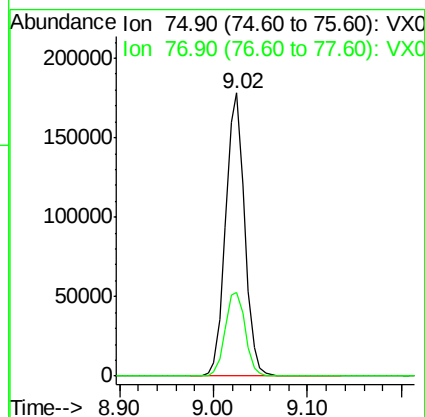
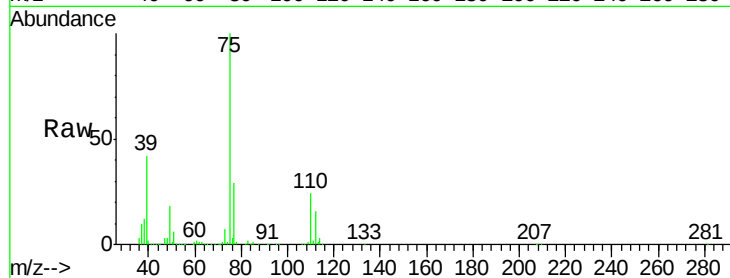
77 29.4 25.6 38.4

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 51.559 ug/l

RT: 8.42 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VX017269.D

Acq: 08 Jul 2020 20:23

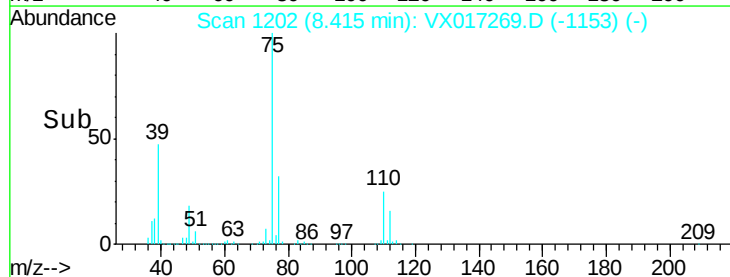
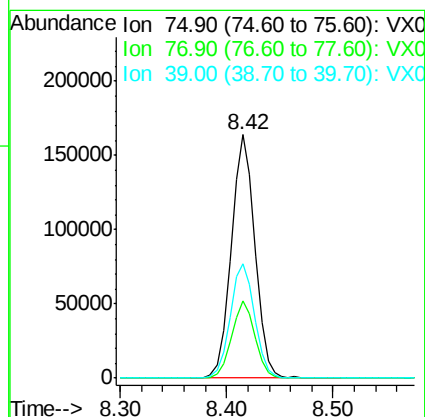
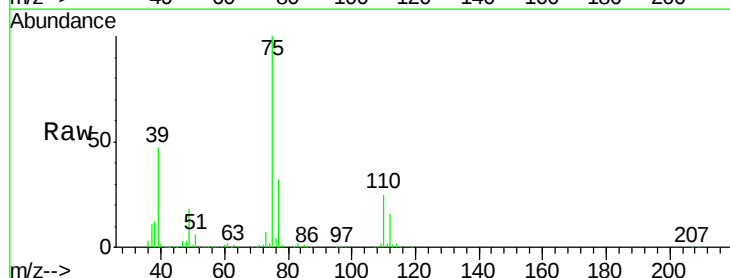
Tgt Ion: 75 Resp: 254867

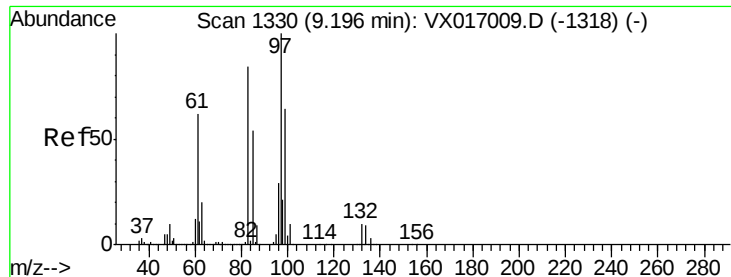
Ion Ratio Lower Upper

75 100

77 31.6 25.2 37.8

39 47.0 37.4 56.2





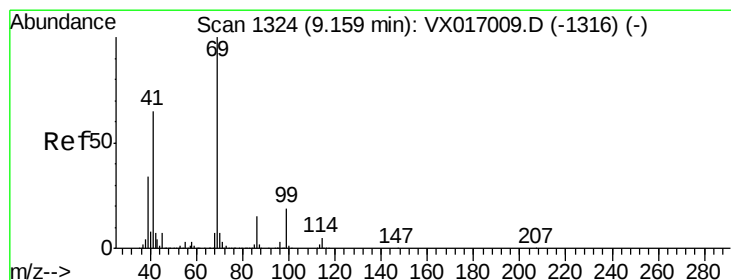
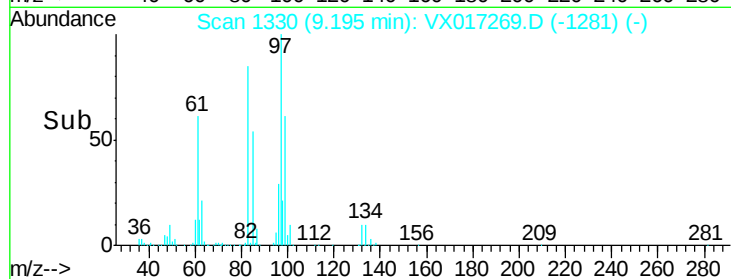
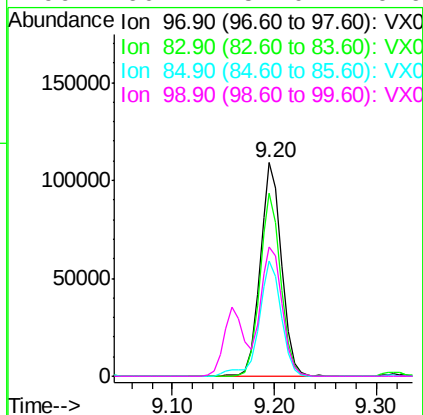
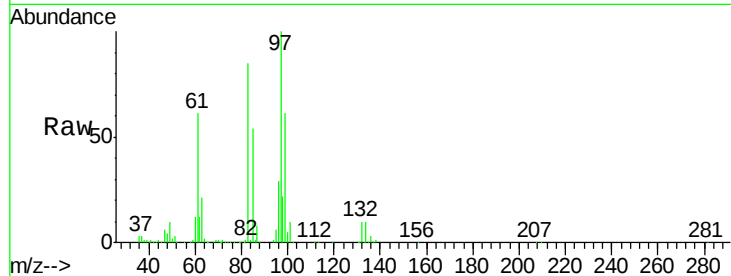
#55
 1,1,2-Trichloroethane
 Concen: 54.142 ug/l
 RT: 9.20 min Scan# 1330
 Delta R.T. -0.00 min
 Lab File: VX017269.D
 Acq: 08 Jul 2020 20:23

Instrument :
 MSVOA_X
 ClientSampleId :
 MH-117N-20200630MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		159730		
83	85.5	67.0	100.6		
85	54.2	43.5	65.3		
99	60.7	51.0	76.6		

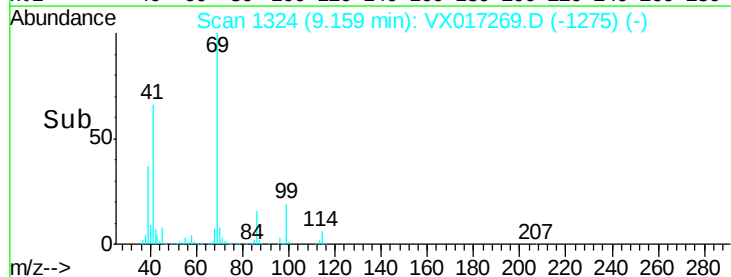
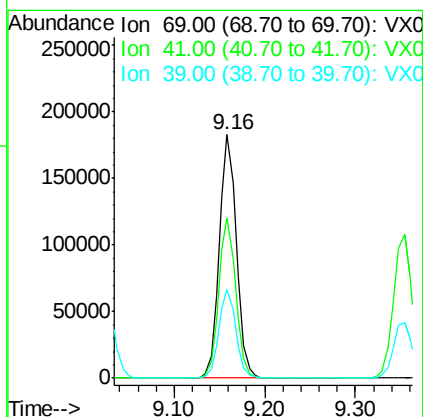
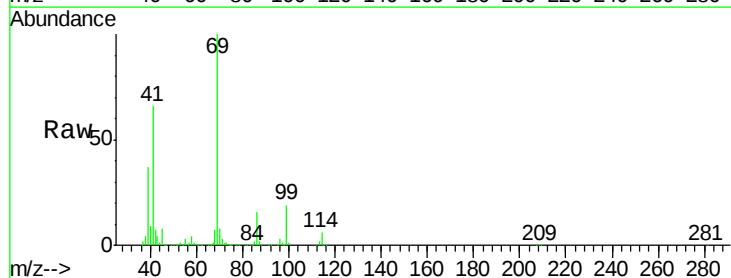
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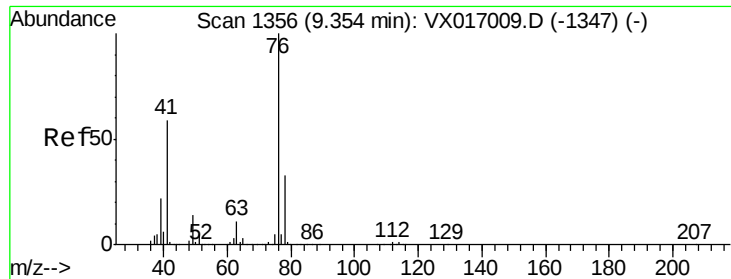
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 7/9/2020 10:59:52 AM



#56
 Ethyl methacrylate
 Concen: 57.503 ug/l
 RT: 9.16 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VX017269.D
 Acq: 08 Jul 2020 20:23

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		241463		
41	65.4	53.6	80.4		
39	36.2	28.2	42.2		





#57

1,3-Dichloropropane

Concen: 53.141 ug/l

RT: 9.35 min Scan# 1356

Delta R.T. -0.00 min

Lab File: VX017269.D

Acq: 08 Jul 2020 20:23

Instrument :

MSVOA_X

ClientSampleId :

MH-117N-20200630MSD

Tot Ion: 76 Resp: 265280

Ion Ratio Lower Upper

76 100

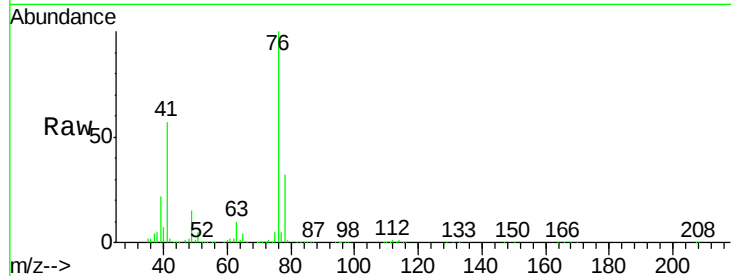
78 32.6 25.9 38.9

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.35

200000

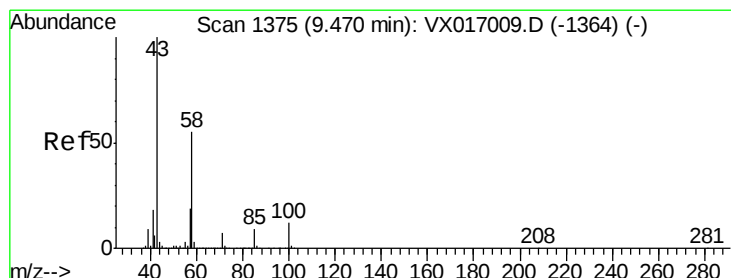
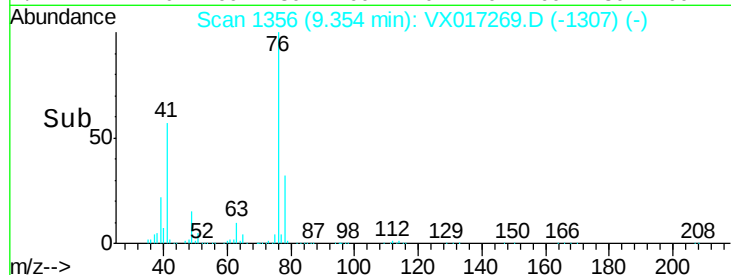
150000

100000

50000

0

Time-->



#59

2-Hexanone

Concen: 294.305 ug/l

RT: 9.48 min Scan# 1376

Delta R.T. 0.01 min

Lab File: VX017269.D

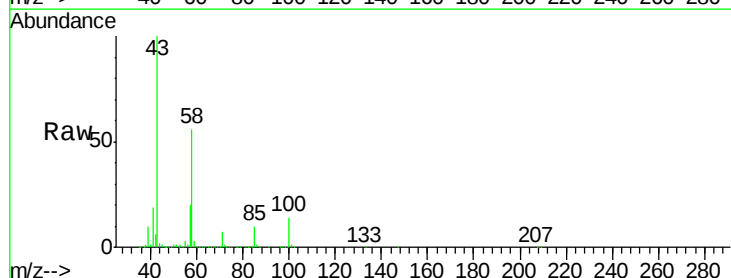
Acq: 08 Jul 2020 20:23

Tgt Ion: 43 Resp: 850304

Ion Ratio Lower Upper

43 100

58 55.5 27.9 83.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

9.48

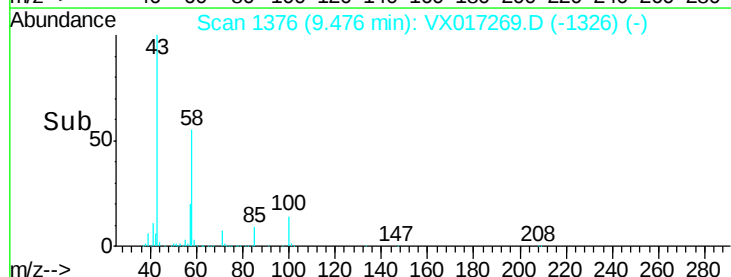
600000

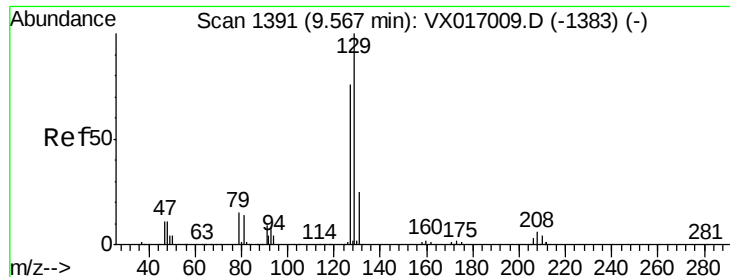
400000

200000

0

Time-->





#60

Dibromochloromethane

Concen: 57.238 ug/l

RT: 9.57 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VX017269.D

Acq: 08 Jul 2020 20:23

Instrument :

MSVOA_X

ClientSampleId :

MH-117N-20200630MSD

Tot Ion:129 Resp: 196130

Ion Ratio Lower Upper

129 100

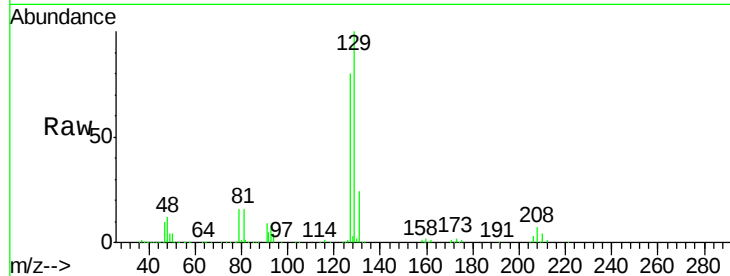
127 77.2 38.9 116.7

Manual Integrations

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MMDadoda

7/9/2020 10:59:52 AM



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.57

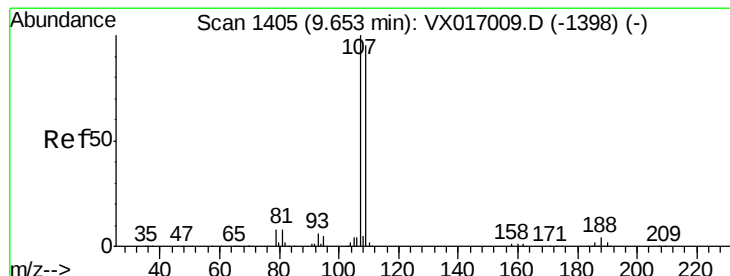
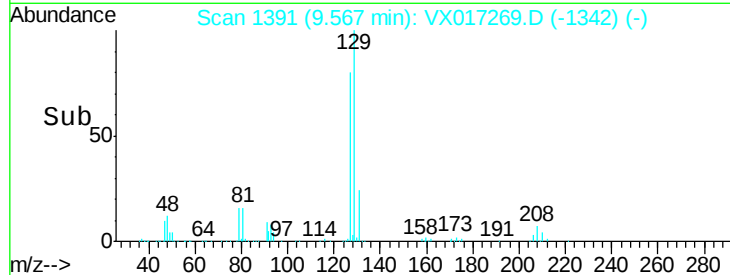
150000

100000

50000

0

Time-->



#61

1,2-Dibromoethane

Concen: 54.965 ug/l

RT: 9.65 min Scan# 1405

Delta R.T. -0.00 min

Lab File: VX017269.D

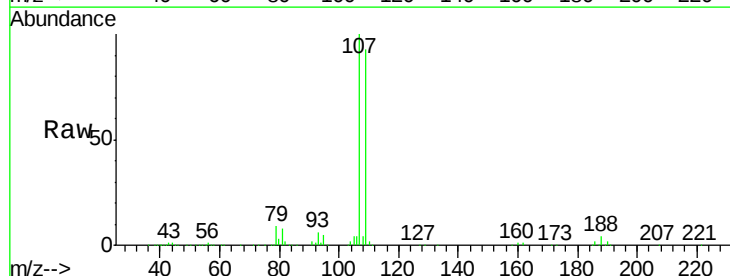
Acq: 08 Jul 2020 20:23

Tgt Ion:107 Resp: 174301

Ion Ratio Lower Upper

107 100

109 95.5 75.8 113.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.65

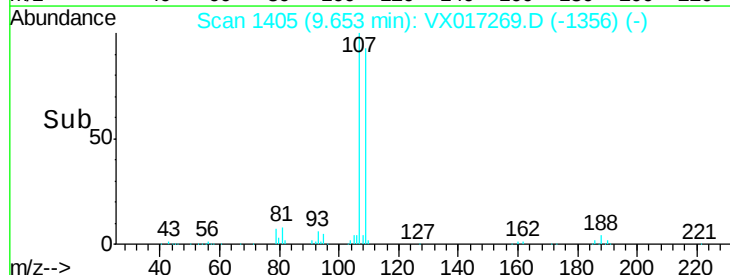
150000

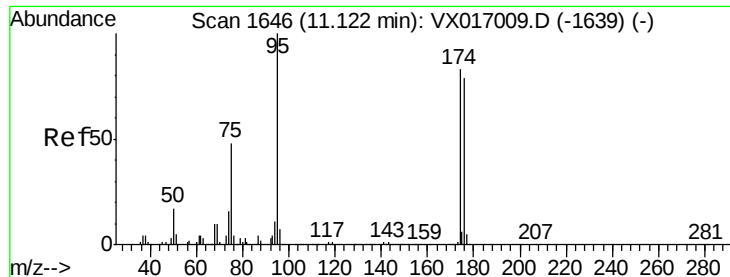
100000

50000

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Time-->





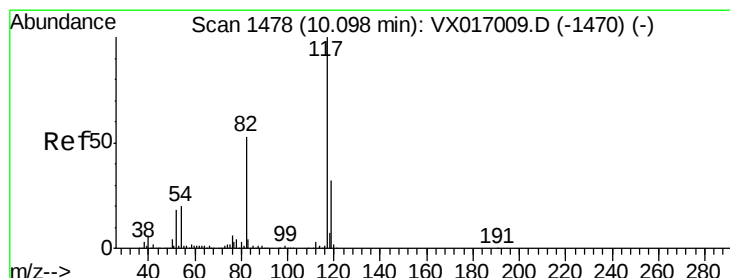
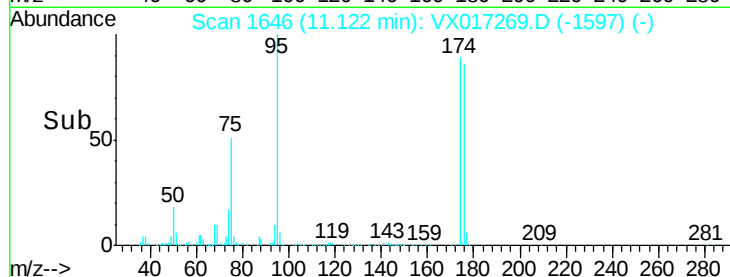
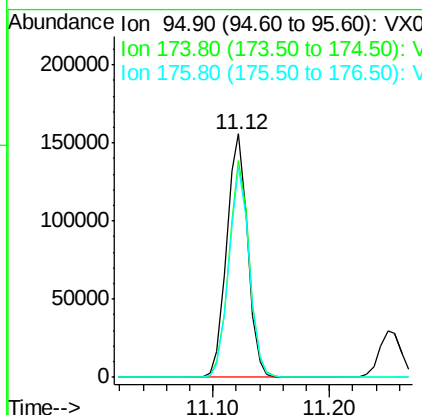
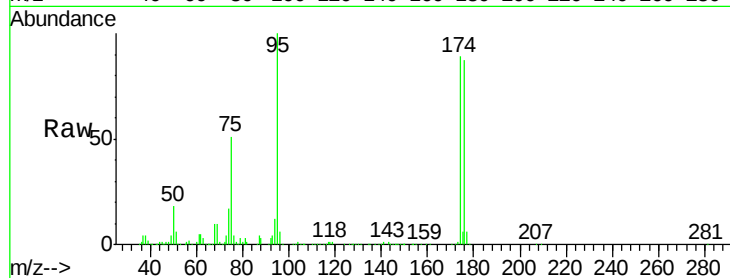
#62
4-Bromofluorobenzene
Concen: 50.924 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX017269.D
Acq: 08 Jul 2020 20:23

Instrument :
MSVOA_X
ClientSampleId :
MH-117N-20200630MSD

Tot Ion	Ratio	Resp	Lower	Upper
95	100	193932		
174	87.2	0.0	164.0	
176	84.1	0.0	157.6	

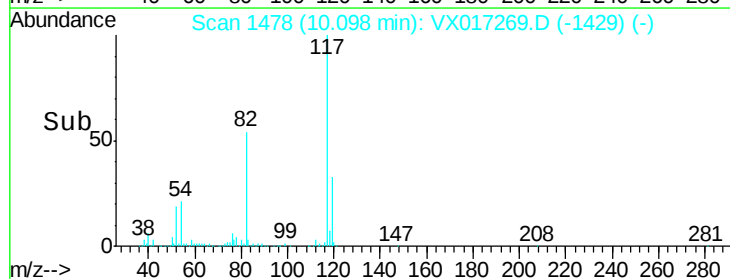
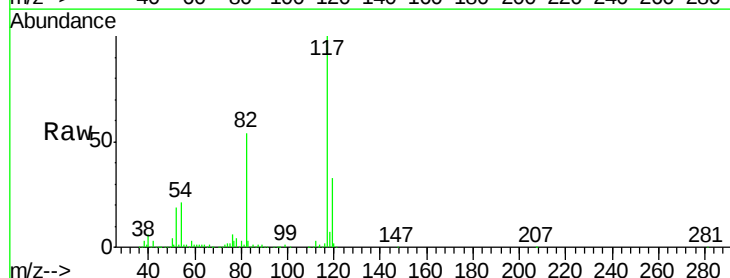
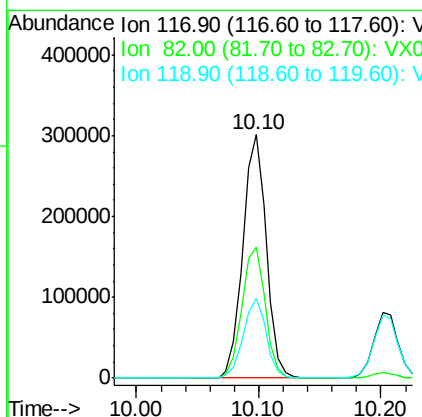
Manual Integrations
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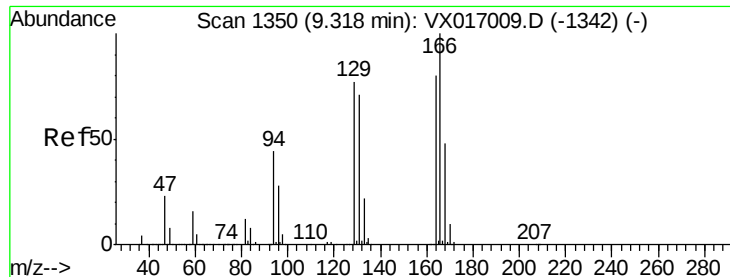
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#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX017269.D
Acq: 08 Jul 2020 20:23

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	397931		
82	53.9	42.6	63.8	
119	32.7	25.4	38.2	





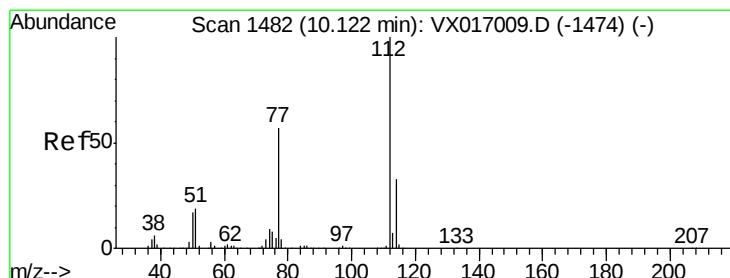
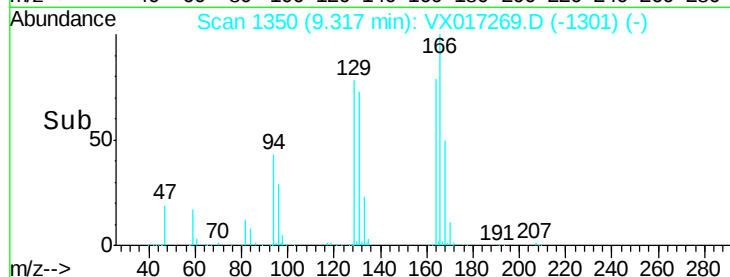
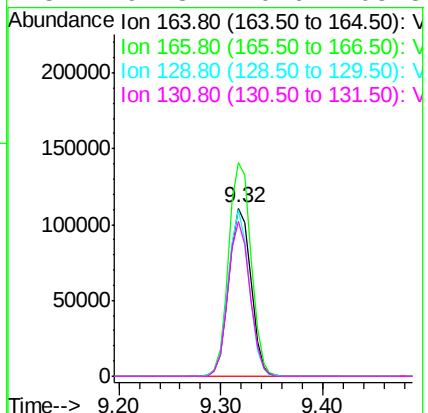
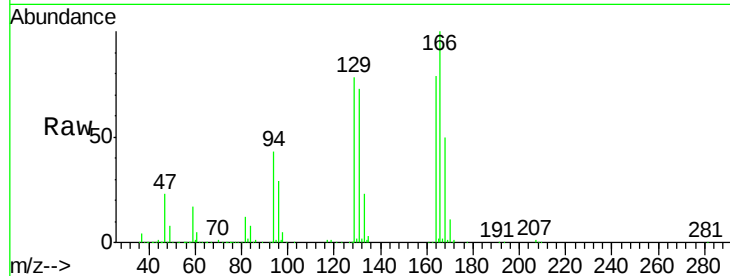
#64
Tetrachloroethene
Concen: 51.413 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. -0.00 min
Lab File: VX017269.D
Acq: 08 Jul 2020 20:23

Instrument :
MSVOA_X
ClientSampleId :
MH-117N-20200630MSD

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
166	127.2	99.4	149.0	
129	99.0	76.3	114.5	
131	92.3	70.6	105.8	

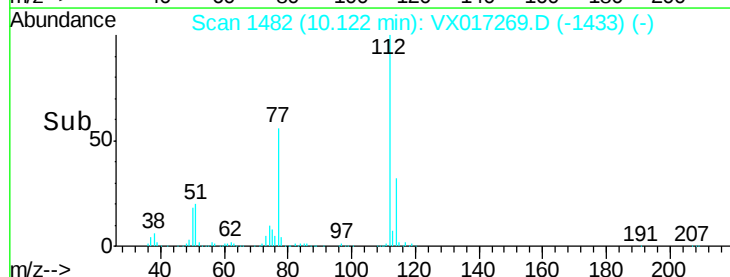
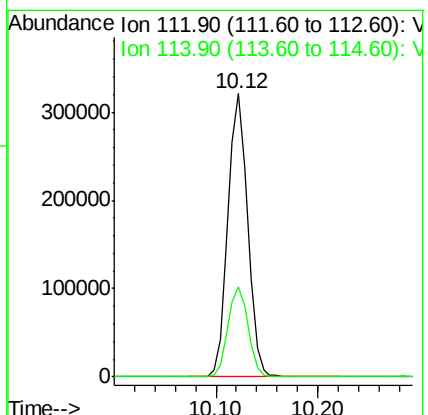
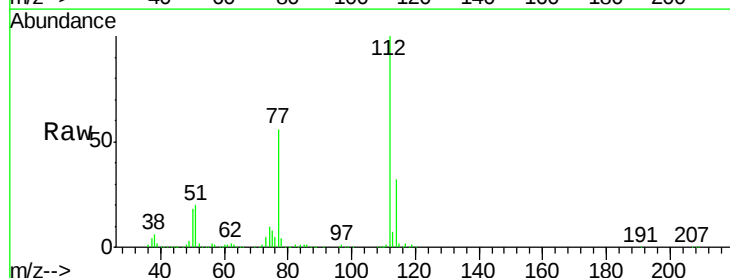
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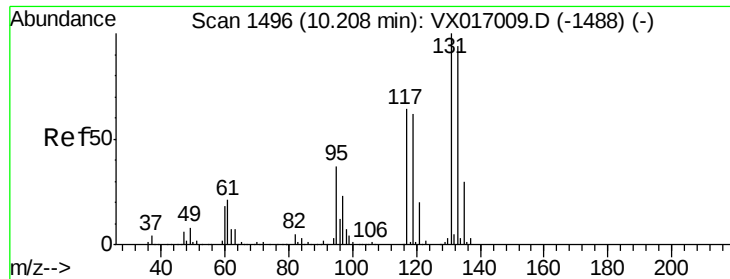
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#65
Chlorobenzene
Concen: 52.106 ug/l
RT: 10.12 min Scan# 1482
Delta R.T. -0.00 min
Lab File: VX017269.D
Acq: 08 Jul 2020 20:23

Tgt Ion	Ratio	Resp	Lower	Upper
112	100			
114	31.9	26.2	39.4	





#66

1,1,1,2-Tetrachloroethane

Concen: 55.519 ug/l

RT: 10.20 min Scan# 1495

Delta R.T. -0.01 min

Lab File: VX017269.D

Acq: 08 Jul 2020 20:23

Instrument :

MSVOA_X

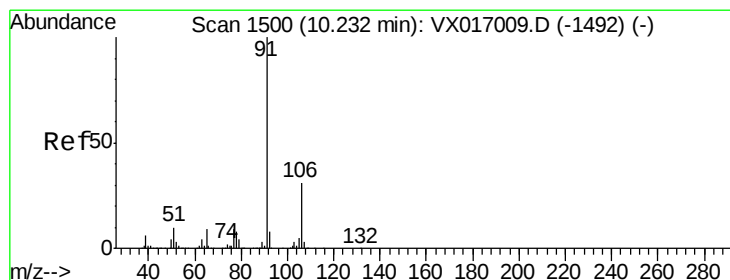
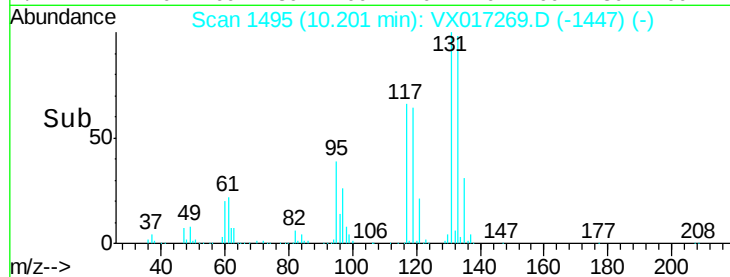
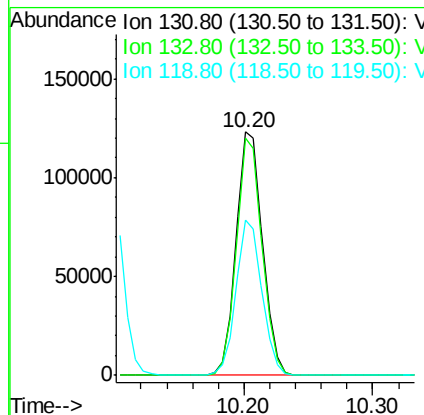
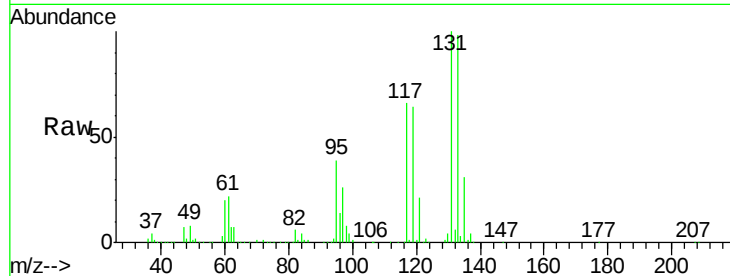
ClientSampleId :

MH-117N-20200630MSD

Tot Ion:	131	Resp:	175729
Ion Ratio	Lower	Upper	
131	100		
133	94.9	47.3	141.9
119	62.6	31.9	95.5

Manual Integrations
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#67

Ethyl Benzene

Concen: 54.054 ug/l

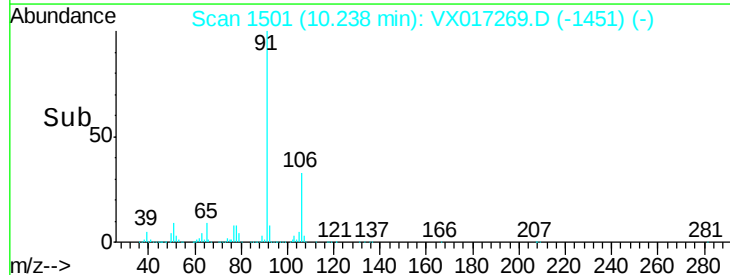
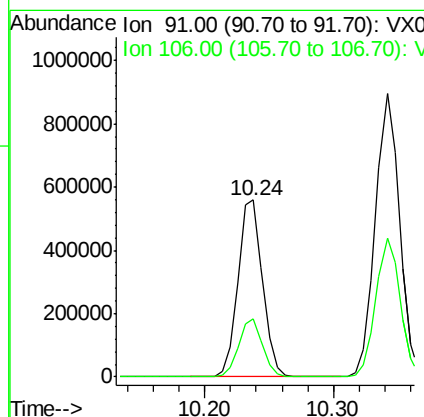
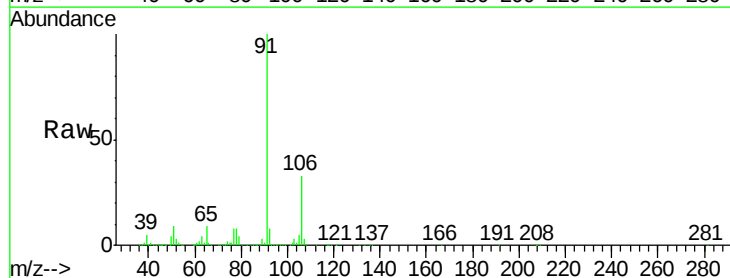
RT: 10.24 min Scan# 1501

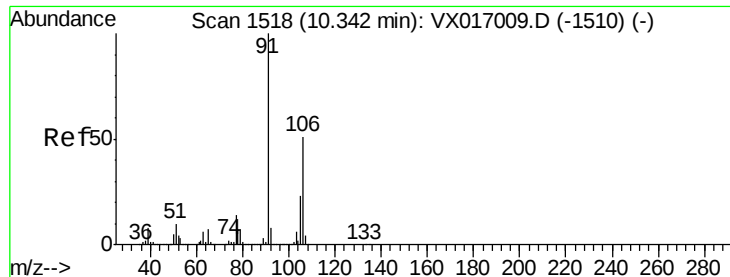
Delta R.T. 0.01 min

Lab File: VX017269.D

Acq: 08 Jul 2020 20:23

Tgt Ion:	91	Resp:	741399
Ion Ratio	Lower	Upper	
91	100		
106	32.6	24.7	37.1





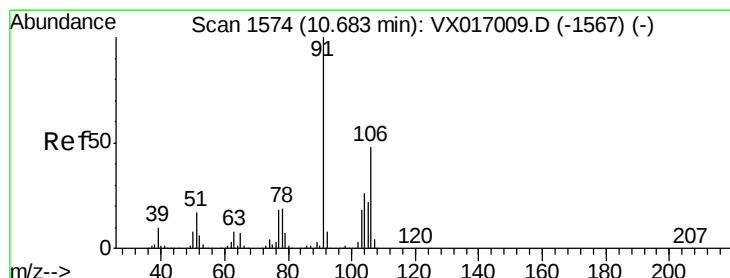
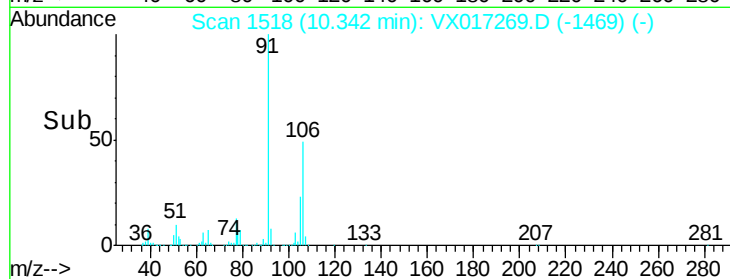
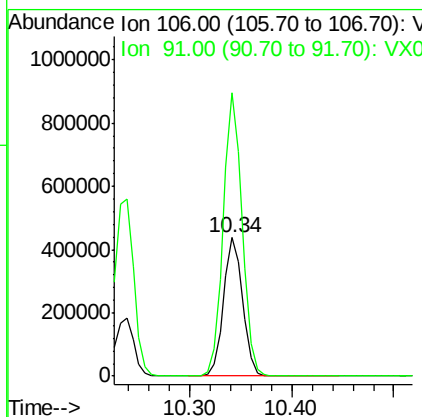
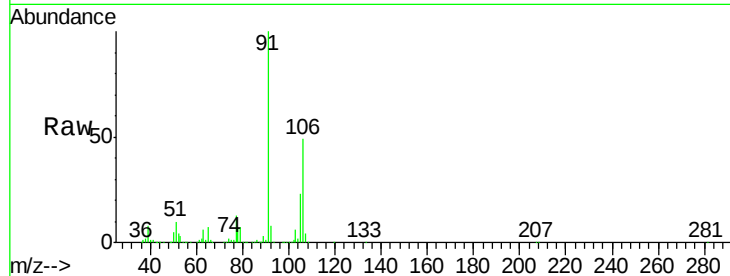
#68
m/p-Xylenes
Concen: 108.074 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. -0.00 min
Lab File: VX017269.D
Acq: 08 Jul 2020 20:23

Instrument :
MSVOA_X
ClientSampleId :
MH-117N-20200630MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		569166		
91	202.3	158.6	238.0		

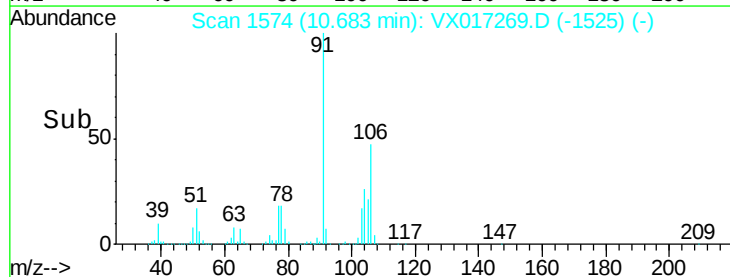
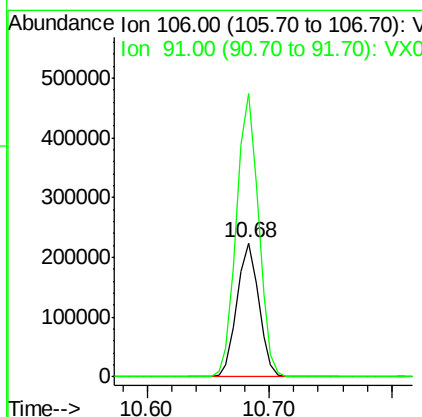
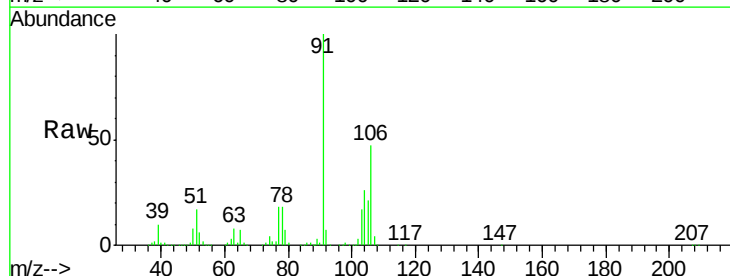
Manual Integrations
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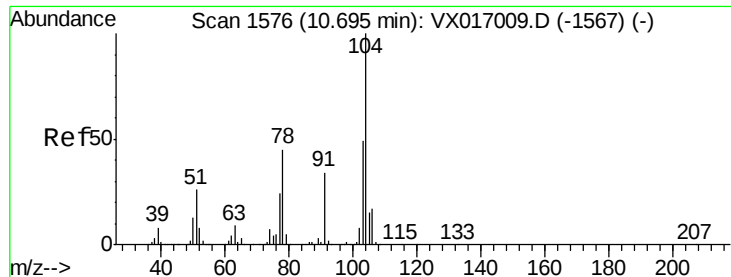
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#69
o-Xylene
Concen: 55.315 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VX017269.D
Acq: 08 Jul 2020 20:23

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
106	100		277127		
91	212.4	105.6	316.7		





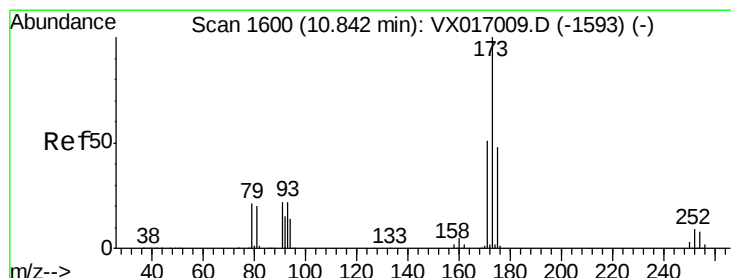
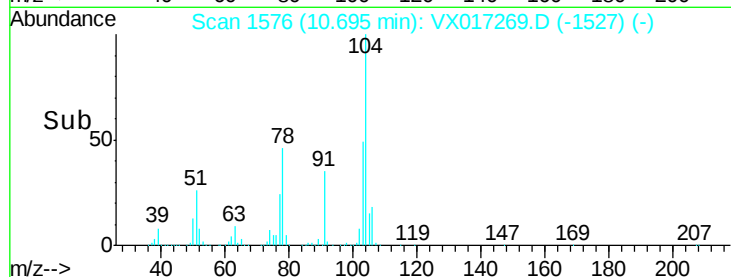
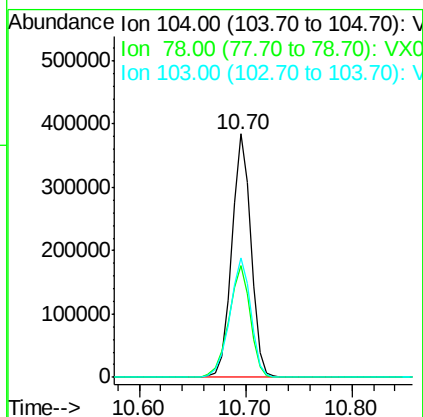
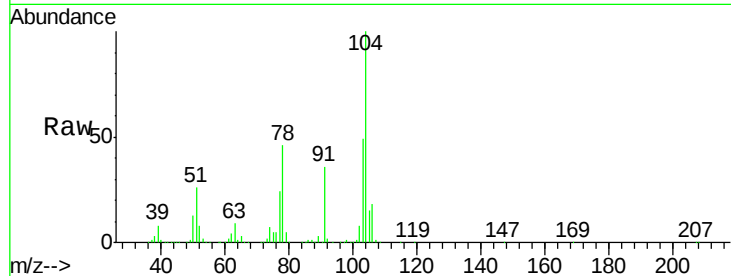
#70
Stvrene
Concen: 57.114 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. -0.00 min
Lab File: VX017269.D
Acq: 08 Jul 2020 20:23

Instrument :
MSVOA_X
ClientSampled :
MH-117N-20200630MSD

Tot Ion	Ratio	Resp	Lower	Upper
104	100	487264		
78	50.9	39.5	59.3	
103	53.7	43.0	64.6	

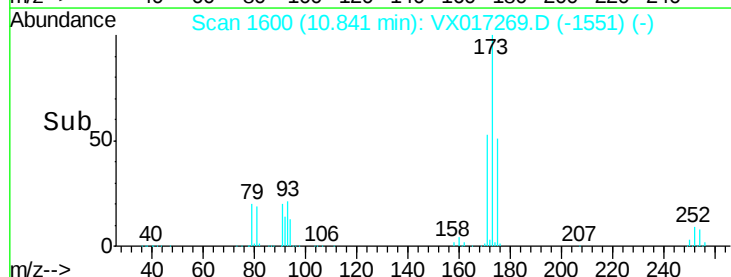
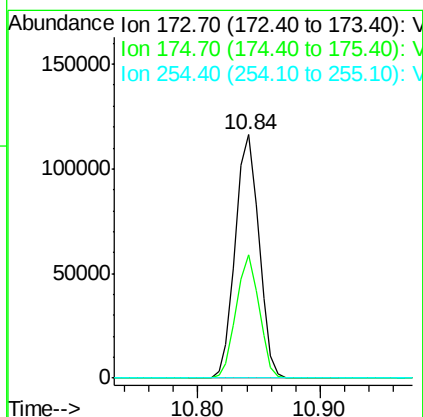
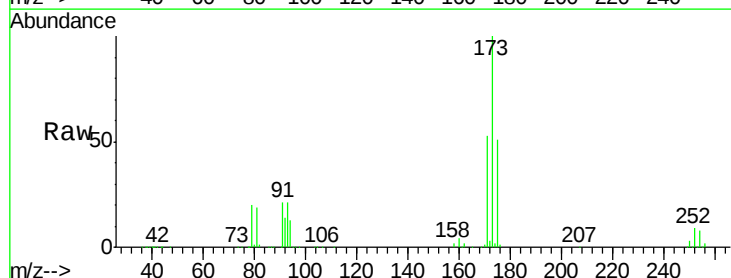
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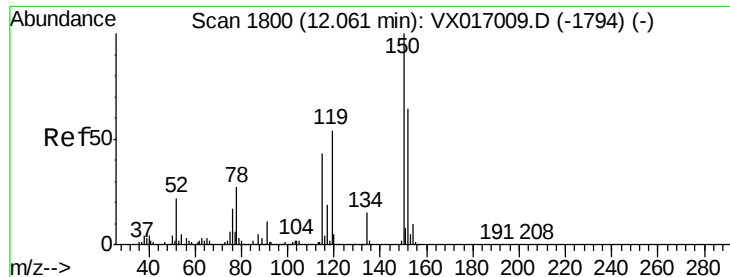
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#71
Bromoform
Concen: 61.861 ug/l
RT: 10.84 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VX017269.D
Acq: 08 Jul 2020 20:23

Tgt Ion	Ratio	Resp	Lower	Upper
173	100	155271		
175	49.3	24.5	73.5	
254	0.1	0.1	0.1#	





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX017269.D

Acq: 08 Jul 2020 20:23

Instrument :

MSVOA_X

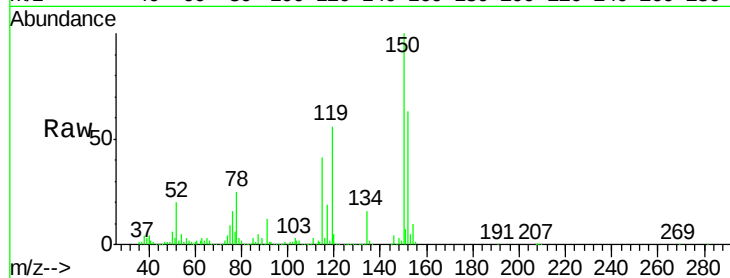
ClientSampleId :

MH-117N-20200630MSD

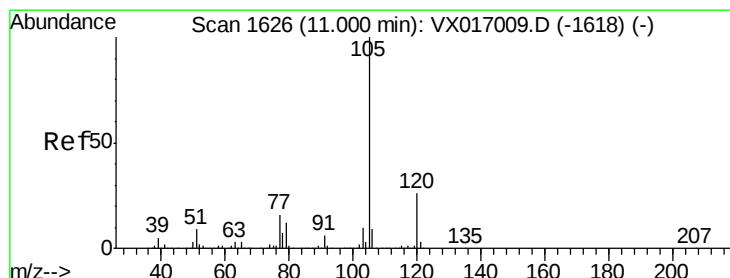
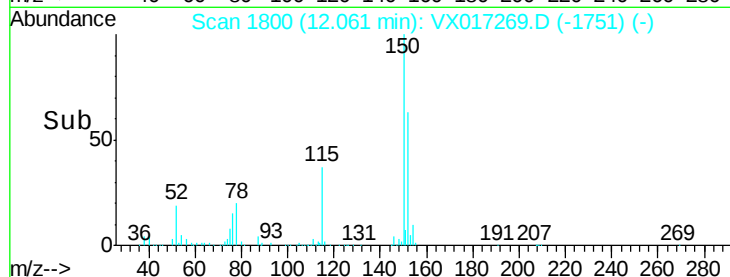
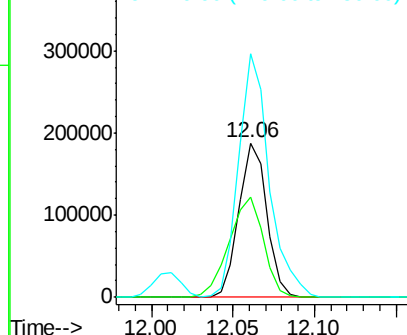
Tot Ion:	152	Resp:	224258
Ion Ratio	Lower	Upper	
152	100		
115	79.7	40.9	122.7
150	172.8	0.0	351.6

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Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 51.329 ug/l

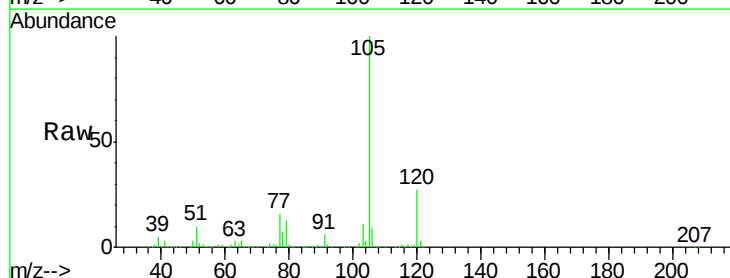
RT: 11.00 min Scan# 1626

Delta R.T. -0.00 min

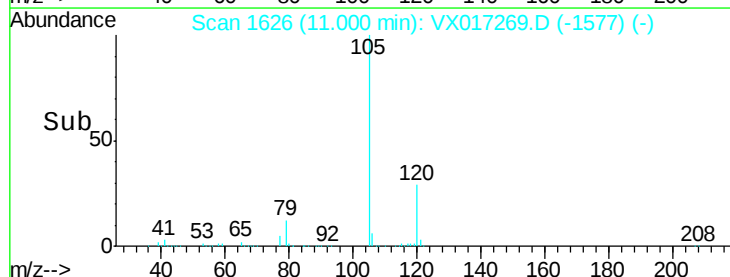
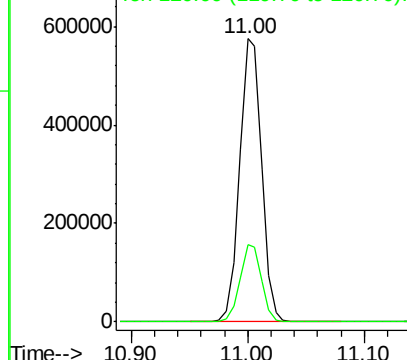
Lab File: VX017269.D

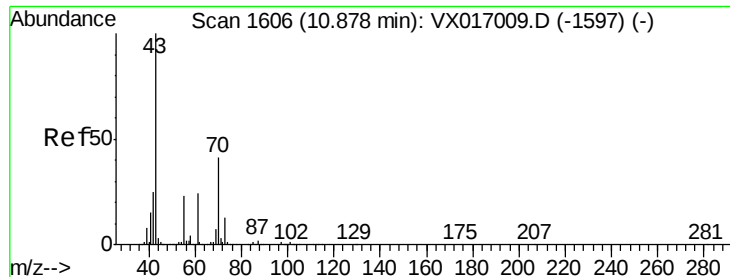
Acq: 08 Jul 2020 20:23

Tgt Ion:	105	Resp:	753980
Ion Ratio	Lower	Upper	
105	100		
120	26.6	13.4	40.2



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 49.727 ug/l

RT: 10.88 min Scan# 1606

Delta R.T. -0.00 min

Lab File: VX017269.D

Acq: 08 Jul 2020 20:23

Instrument :

MSVOA_X

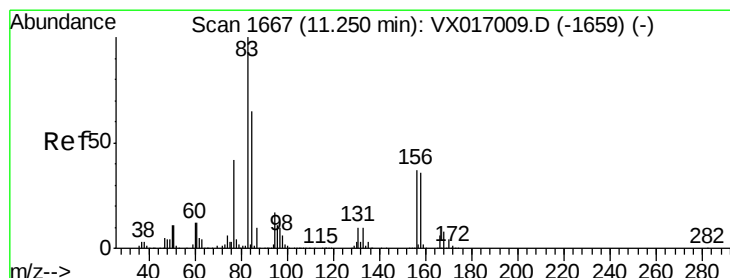
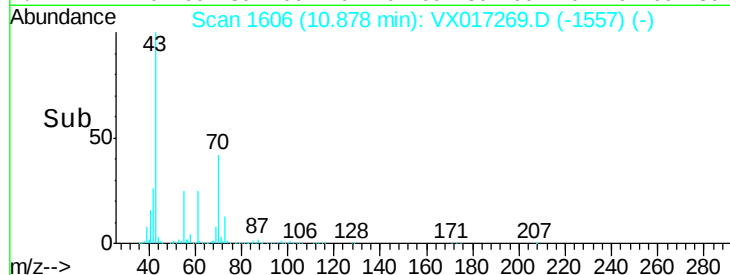
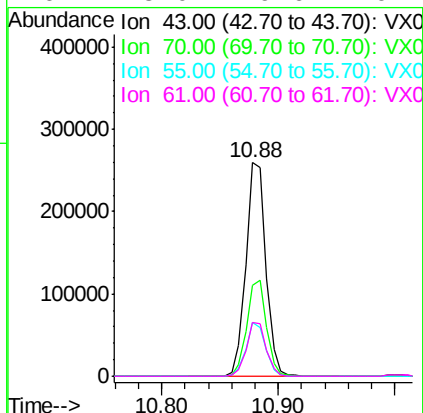
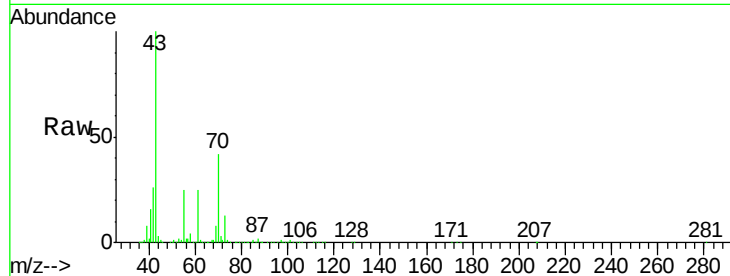
ClientSampleId :

MH-117N-20200630MSD

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
70	44.3	34.2	51.2	
55	24.7	19.2	28.8	
61	25.0	19.6	29.4	

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#75

1,1,2,2-Tetrachloroethane

Concen: 50.686 ug/l

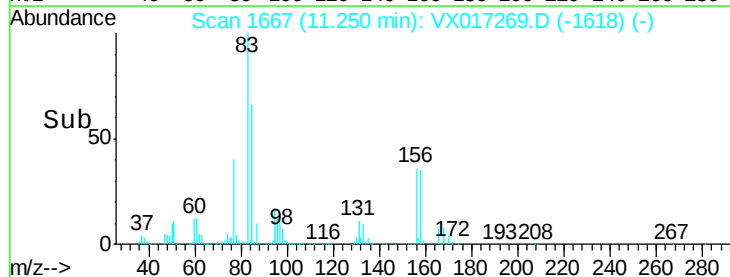
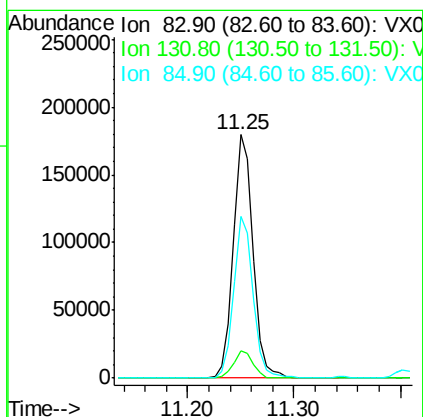
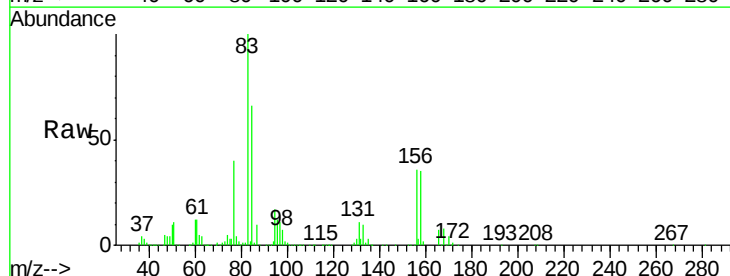
RT: 11.25 min Scan# 1667

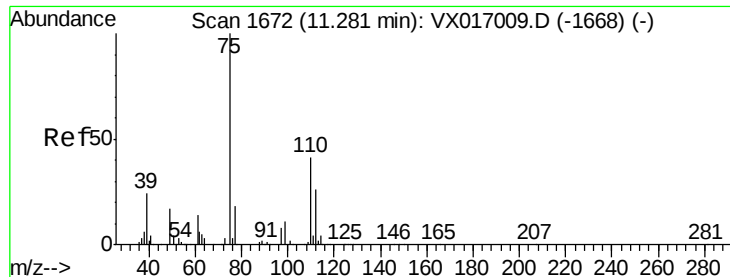
Delta R.T. -0.00 min

Lab File: VX017269.D

Acq: 08 Jul 2020 20:23

Tgt Ion	Ion	Ratio	Lower	Upper
83	100			
131	11.1	5.4	16.2	
85	65.5	31.9	95.9	





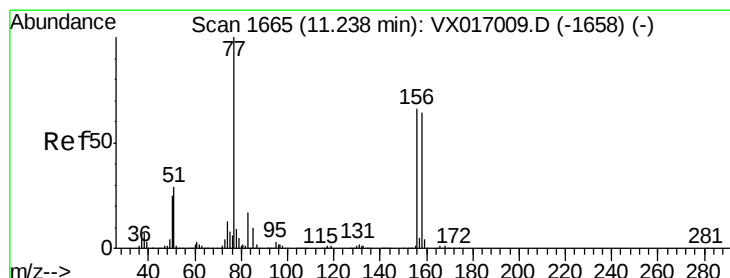
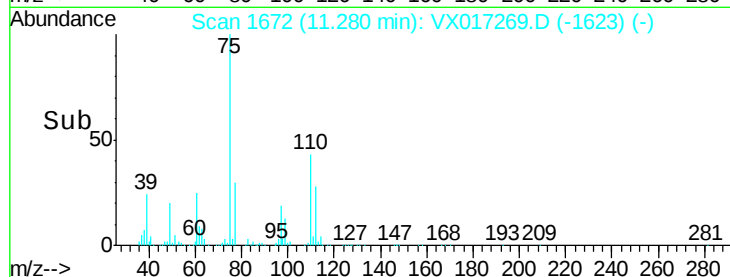
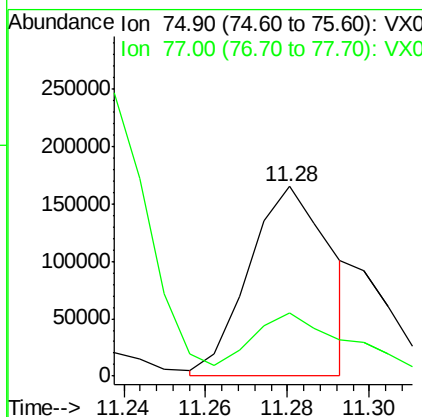
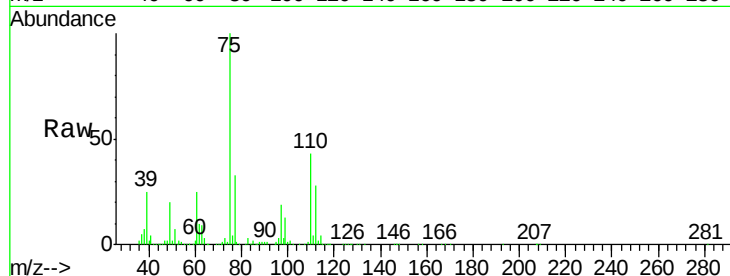
#76
1,2,3-Trichloropropane
Concen: 51.769 ug/l m
RT: 11.28 min Scan# 1672
Delta R.T. -0.00 min
Lab File: VX017269.D
Acq: 08 Jul 2020 20:23

Instrument :
MSVOA_X
ClientSampleId :
MH-117N-20200630MSD

Tot Ion: 75 Resp: 228298
Ion Ratio Lower Upper
75 100
77 40.9 20.2 60.6

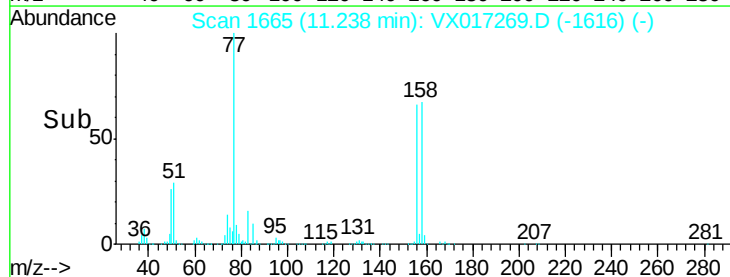
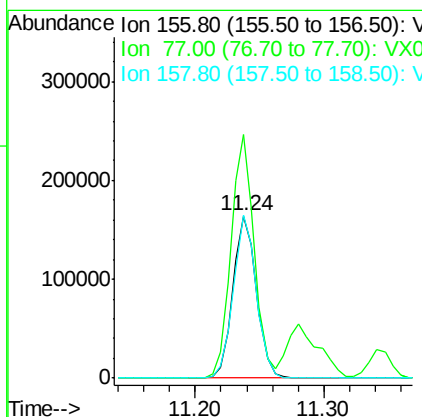
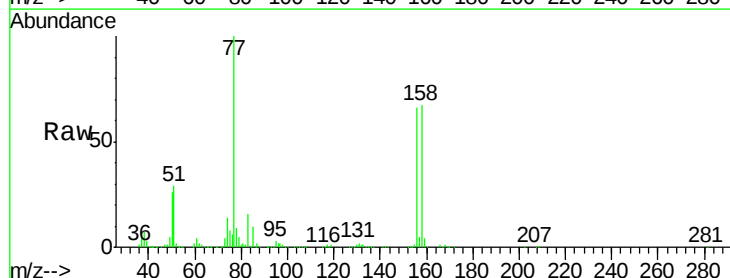
Manual Integrations
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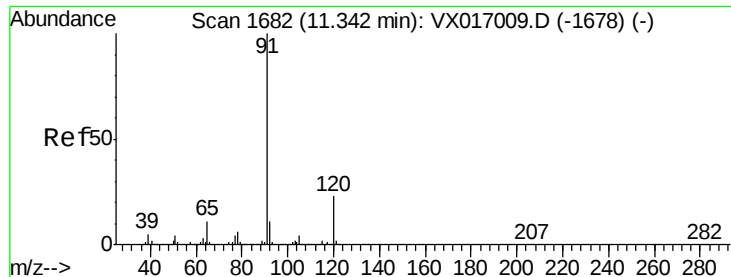
MMDadoda
7/9/2020 10:59:52 AM



#77
Bromobenzene
Concen: 51.615 ug/l
RT: 11.24 min Scan# 1665
Delta R.T. -0.00 min
Lab File: VX017269.D
Acq: 08 Jul 2020 20:23

Tgt Ion: 156 Resp: 208375
Ion Ratio Lower Upper
156 100
77 148.8 76.9 230.7
158 98.4 47.9 143.6





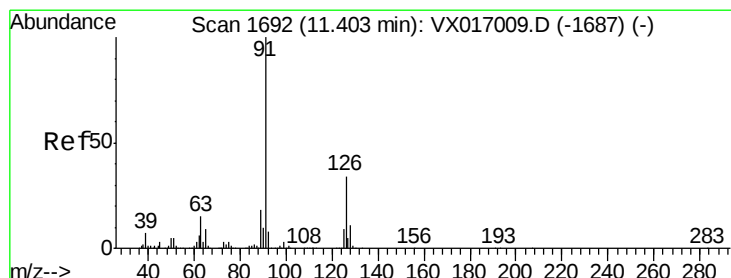
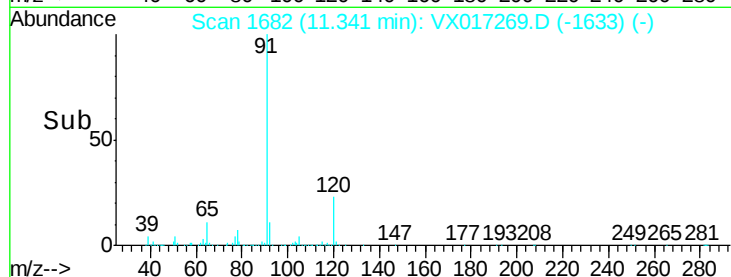
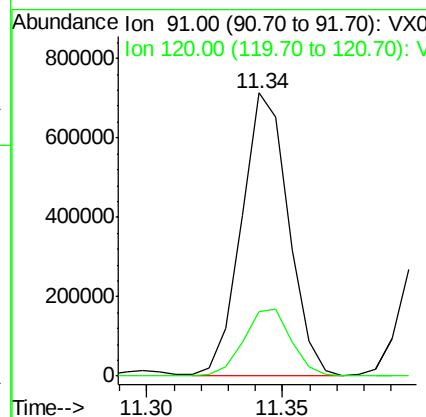
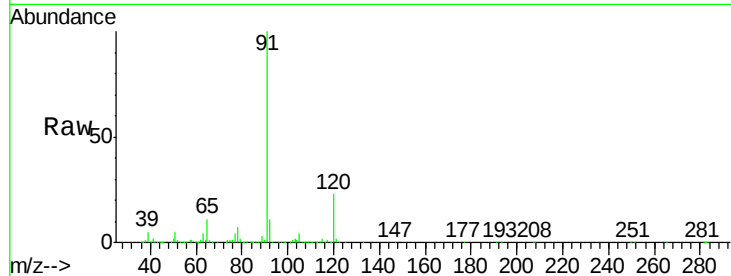
#78
n-propylbenzene
Concen: 50.934 ug/l
RT: 11.34 min Scan# 1682
Delta R.T. -0.00 min
Lab File: VX017269.D
Acq: 08 Jul 2020 20:23

Instrument :
MSVOA_X
ClientSampleId :
MH-117N-20200630MSD

Tot Ion	Ratio	Lower	Upper
91	100		
120	24.3	11.9	35.9

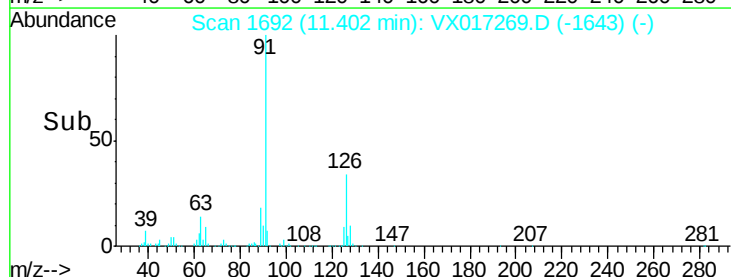
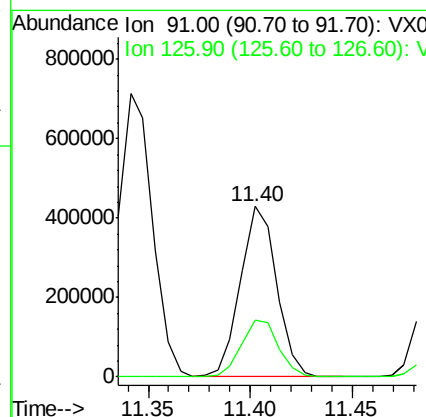
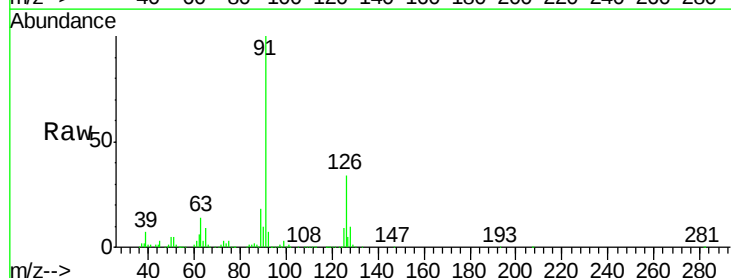
Manual Integrations
APPROVED

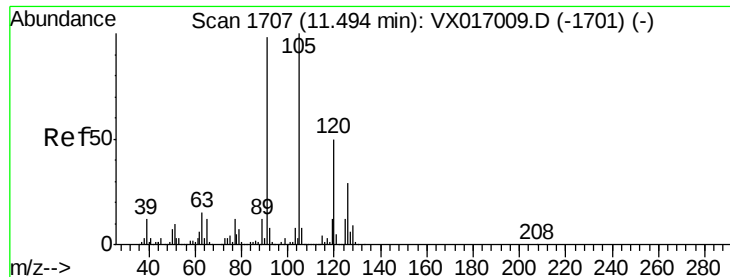
MMDadoda
7/9/2020 10:59:52 AM



#79
2-Chlorotoluene
Concen: 52.426 ug/l
RT: 11.40 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VX017269.D
Acq: 08 Jul 2020 20:23

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.5	17.4	52.3





#80

1,3,5-Trimethylbenzene

Concen: 52.763 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VX017269.D

Acq: 08 Jul 2020 20:23

Instrument :

MSVOA_X

ClientSampleId :

MH-117N-20200630MSD

Tot Ion: 105 Resp: 642880

Ion Ratio Lower Upper

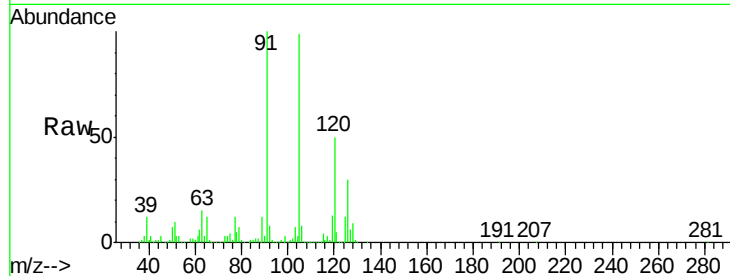
105 100

120 49.8 24.9 74.6

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

600000

500000

400000

300000

200000

100000

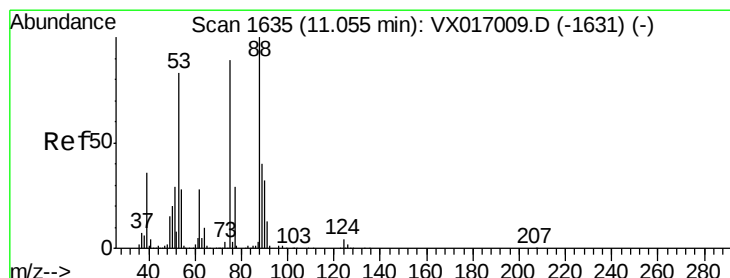
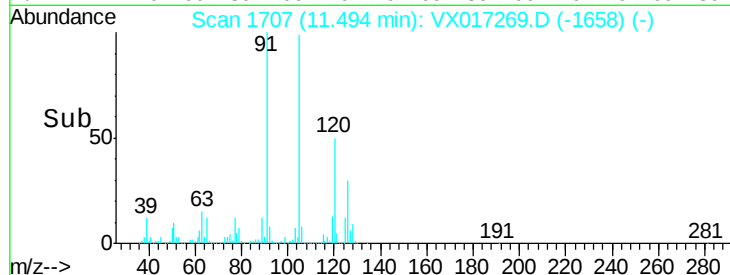
0

11.49

11.40

11.50

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 49.375 ug/l

RT: 11.05 min Scan# 1635

Delta R.T. -0.00 min

Lab File: VX017269.D

Acq: 08 Jul 2020 20:23

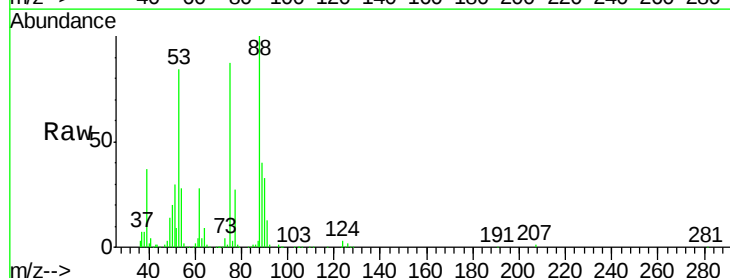
Tgt Ion: 75 Resp: 84080

Ion Ratio Lower Upper

75 100

53 96.5 72.4 108.6

89 46.4 37.0 55.4



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

100000

80000

60000

40000

20000

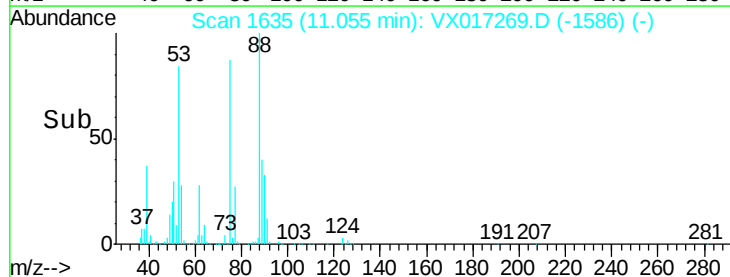
0

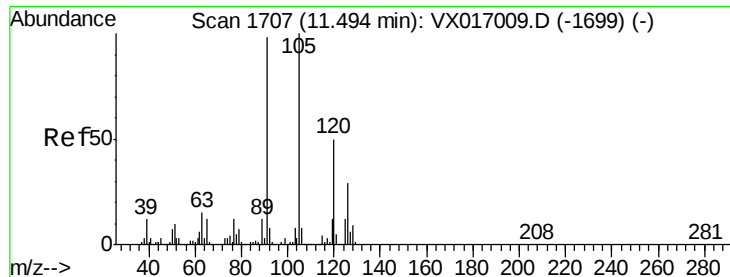
11.05

11.00

11.10

Time-->





#82

4-Chlorotoluene

Concen: 51.920 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VX017269.D

Acq: 08 Jul 2020 20:23

Instrument :

MSVOA_X

ClientSampleId :

MH-117N-20200630MSD

Tot Ion: 91 Resp: 623972

Ion Ratio Lower Upper

91 100

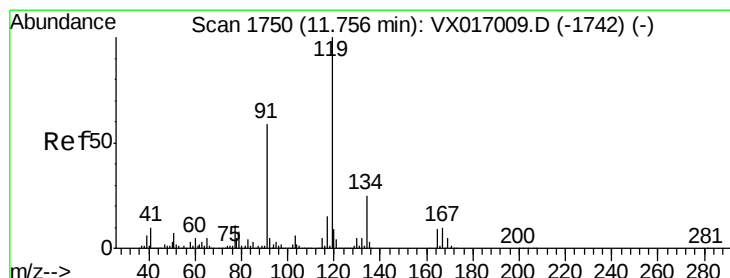
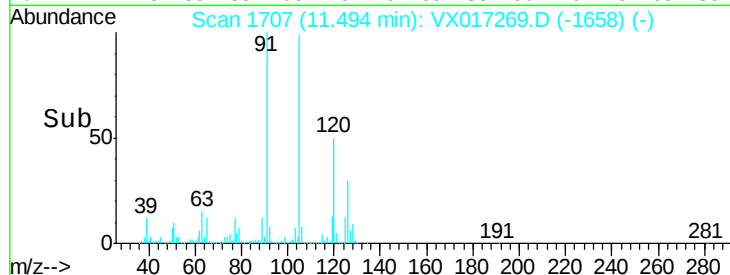
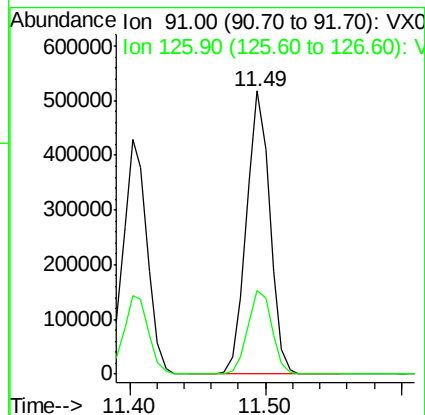
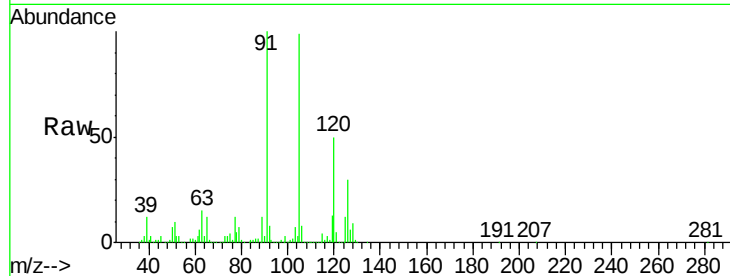
126 30.7 15.2 45.5

Manual Integrations

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#83

tert-Butylbenzene

Concen: 53.206 ug/l

RT: 11.76 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VX017269.D

Acq: 08 Jul 2020 20:23

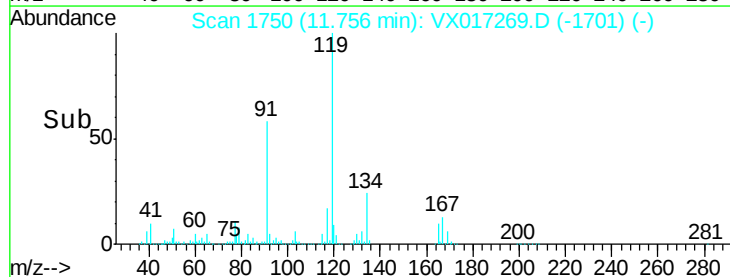
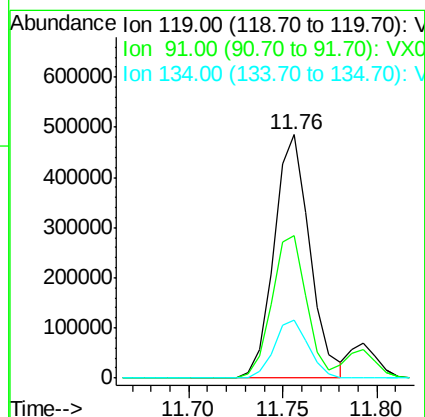
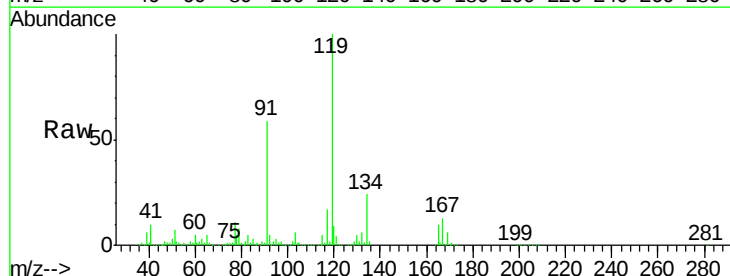
Tgt Ion: 119 Resp: 636388

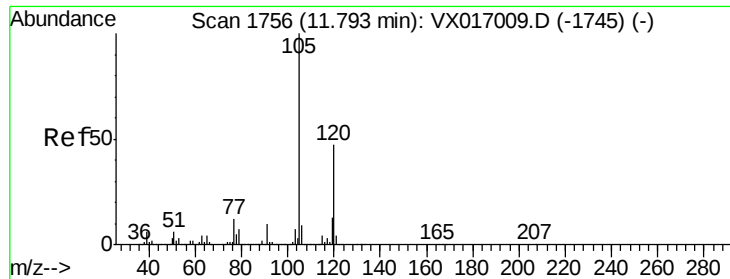
Ion Ratio Lower Upper

119 100

91 56.5 28.3 84.9

134 23.0 11.7 35.1





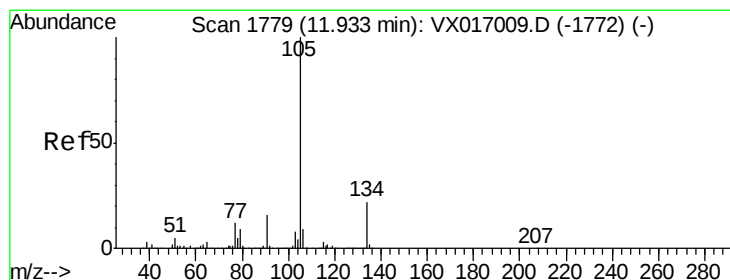
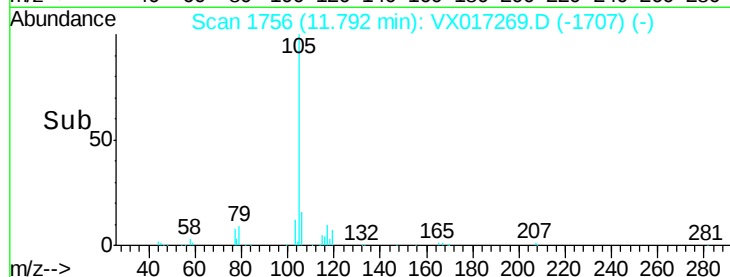
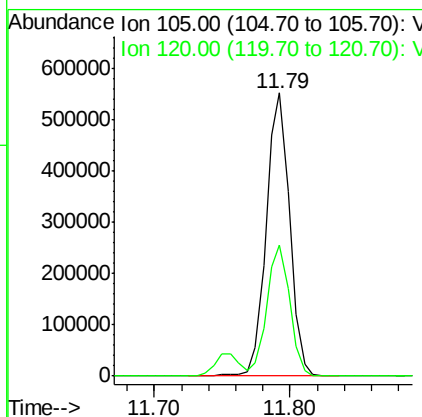
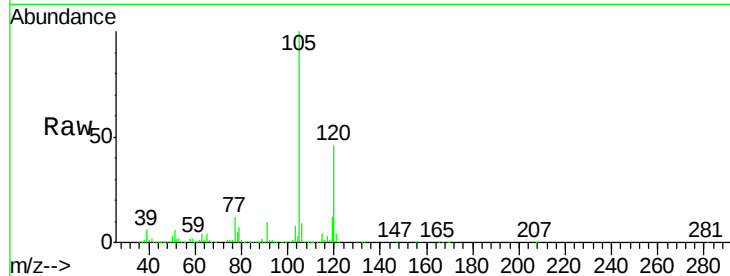
#84
1,2,4-Trimethylbenzene
Concen: 53.763 ug/l
RT: 11.79 min Scan# 1756
Delta R.T. -0.00 min
Lab File: VX017269.D
Acq: 08 Jul 2020 20:23

Instrument :
MSVOA_X
ClientSampleId :
MH-117N-20200630MSD

Tot Ion	Ratio	Lower	Upper
105	100		
120	45.7	22.9	68.5

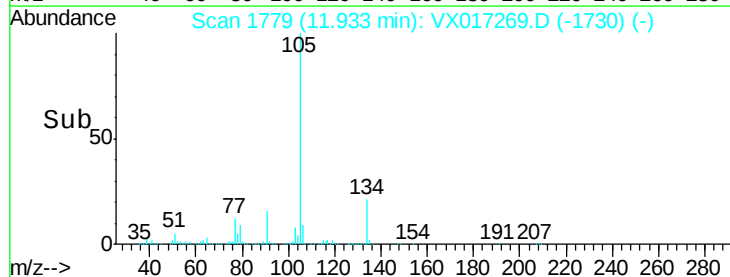
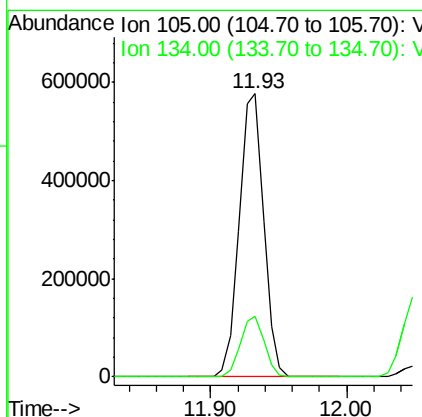
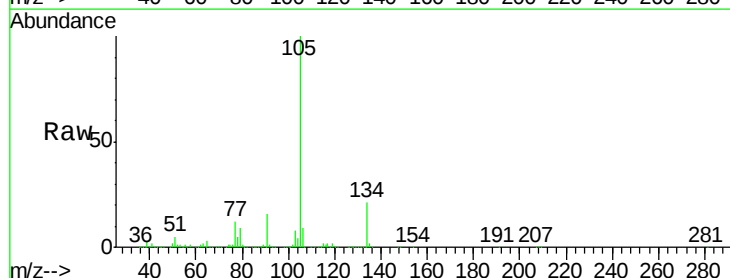
Manual Integrations
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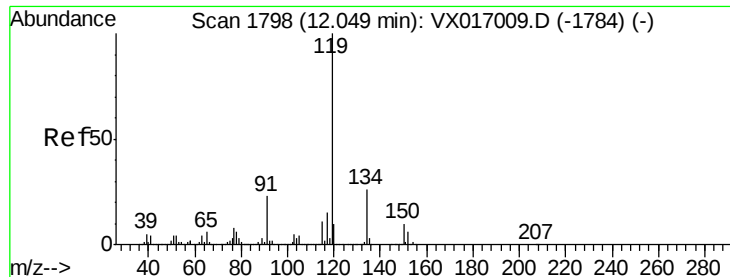
MMDadoda
7/9/2020 10:59:52 AM



#85
sec-Butylbenzene
Concen: 51.267 ug/l
RT: 11.93 min Scan# 1779
Delta R.T. -0.00 min
Lab File: VX017269.D
Acq: 08 Jul 2020 20:23

Tgt Ion	Ratio	Lower	Upper
105	100		
134	21.0	10.5	31.6





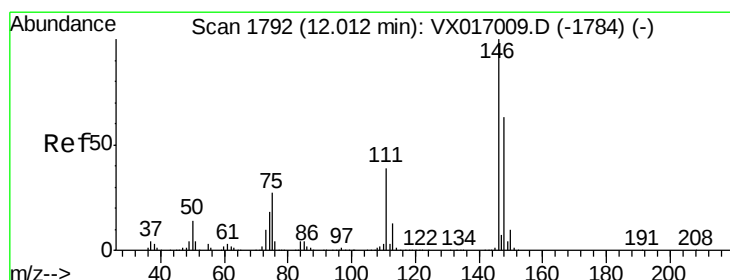
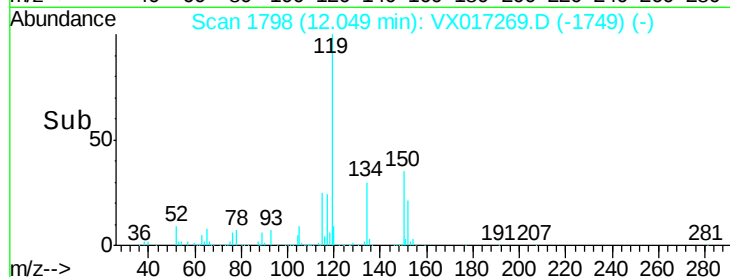
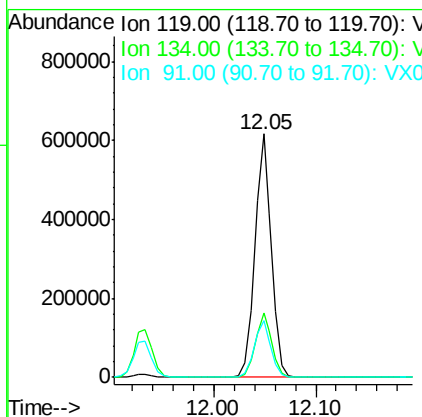
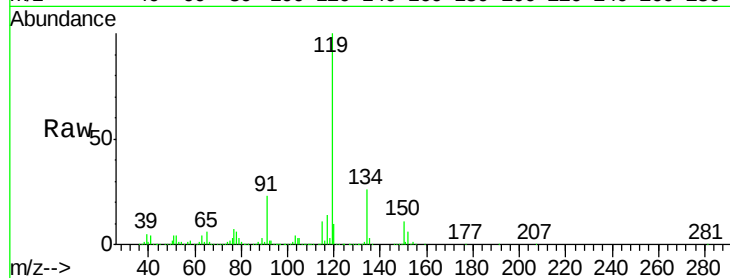
#86
p-Isopropyltoluene
Concen: 53.211 ug/l
RT: 12.05 min Scan# 1798
Delta R.T. -0.00 min
Lab File: VX017269.D
Acq: 08 Jul 2020 20:23

Instrument :
MSVOA_X
ClientSampleId :
MH-117N-20200630MSD

Tot Ion	Ratio	Resp	Lower	Upper
119	100	696446		
134	26.4		13.2	39.5
91	23.5		11.8	35.4

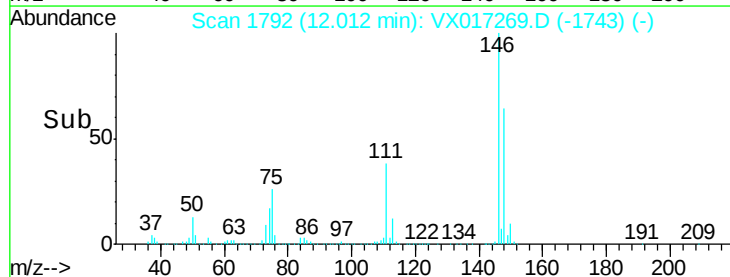
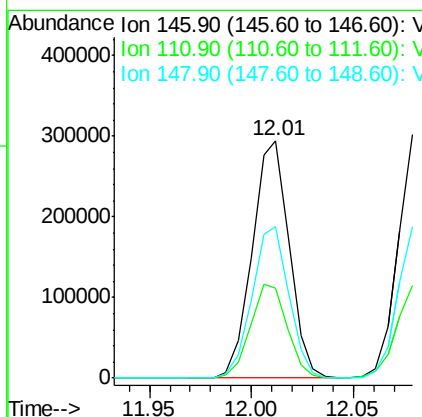
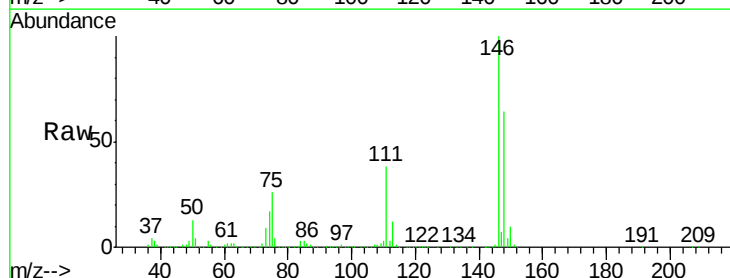
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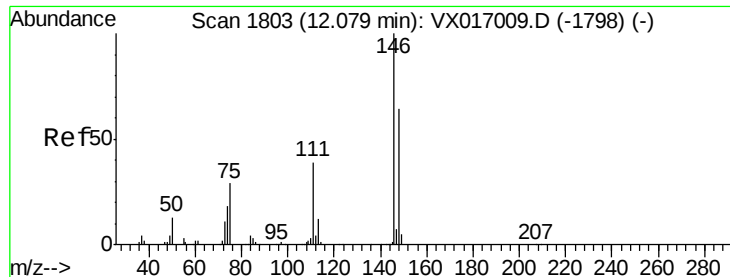
MMDadoda
7/9/2020 10:59:52 AM



#87
1,3-Dichlorobenzene
Concen: 50.724 ug/l
RT: 12.01 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX017269.D
Acq: 08 Jul 2020 20:23

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	371921		
111	39.4		20.4	61.2
148	63.6		32.5	97.5





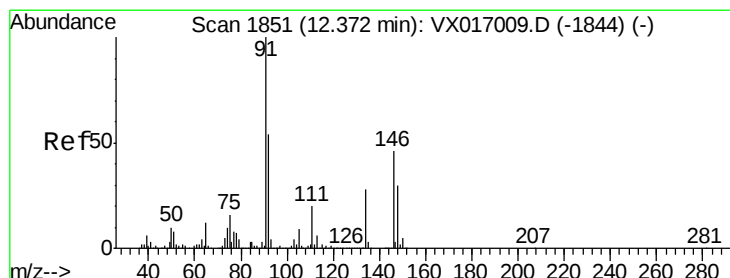
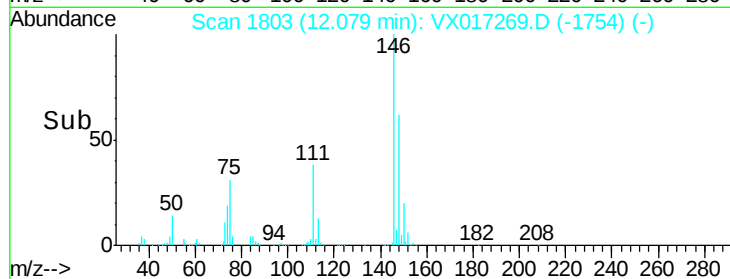
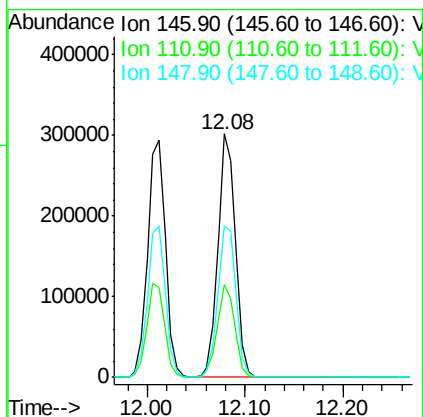
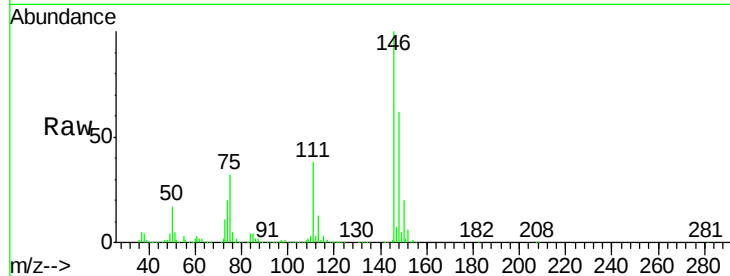
#88
 1,4-Dichlorobenzene
 Concen: 53.837 ug/l
 RT: 12.08 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VX017269.D
 Acq: 08 Jul 2020 20:23

Instrument :
 MSVOA_X
 ClientSampleId :
 MH-117N-20200630MSD

Tot Ion:	146	Resp:	372165
Ion Ratio	Lower	Upper	
146	100		
111	38.3	19.5	58.5
148	64.7	31.9	95.7

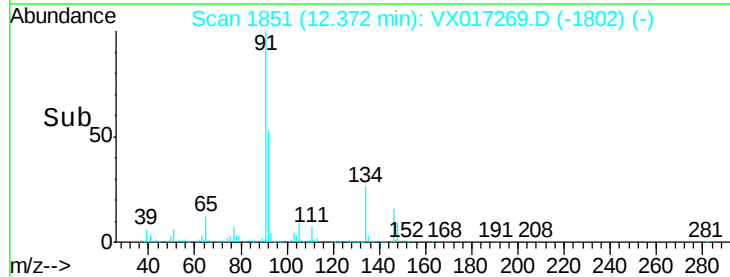
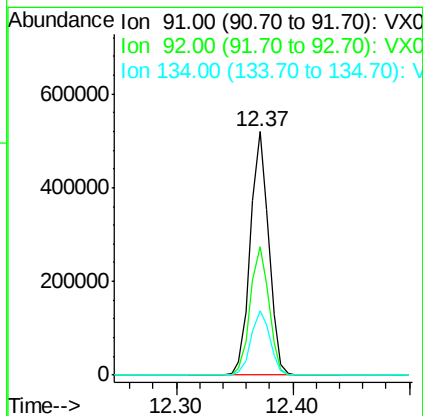
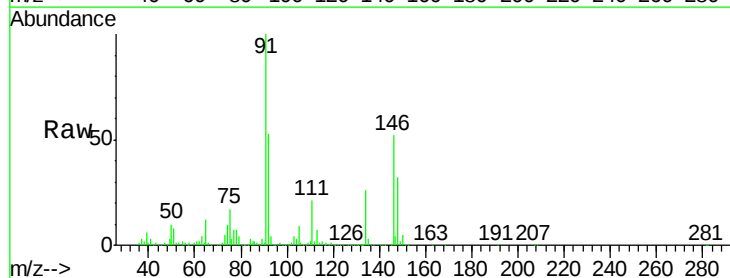
Manual Integrations
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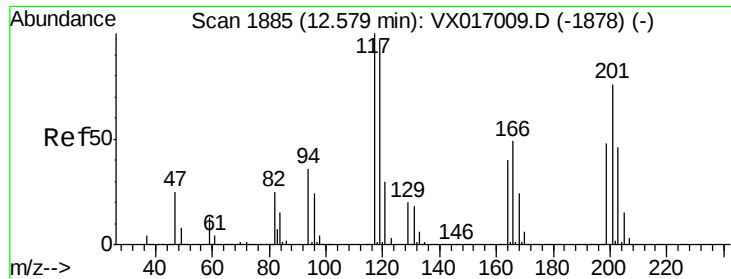
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 7/9/2020 10:59:52 AM



#89
 n-Butylbenzene
 Concen: 49.150 ug/l
 RT: 12.37 min Scan# 1851
 Delta R.T. -0.00 min
 Lab File: VX017269.D
 Acq: 08 Jul 2020 20:23

Tgt Ion:	91	Resp:	574394
Ion Ratio	Lower	Upper	
91	100		
92	53.6	27.2	81.6
134	27.1	13.6	40.7





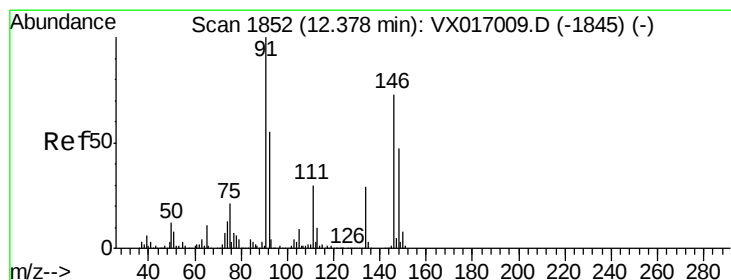
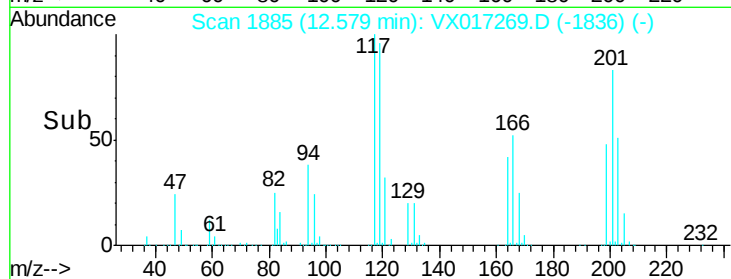
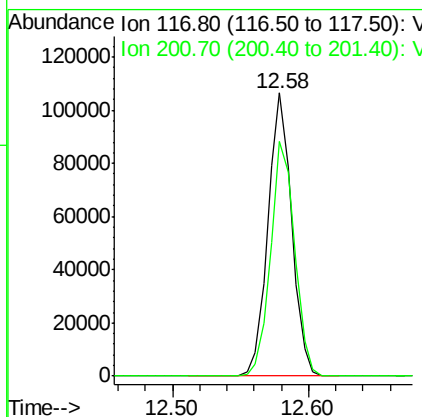
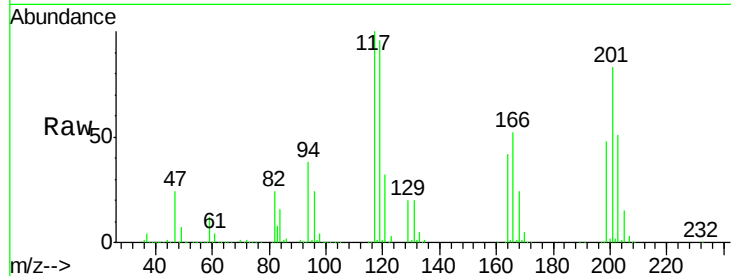
#90
Hexachloroethane
Concen: 50.415 ug/l
RT: 12.58 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VX017269.D
Acq: 08 Jul 2020 20:23

Instrument :
MSVOA_X
ClientSampleId :
MH-117N-20200630MSD

Tot Ion	Ratio	Resp	Lower	Upper
117	100	130123		
201	84.0	39.4	118.2	

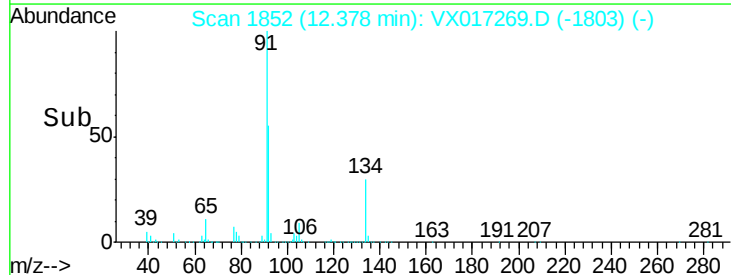
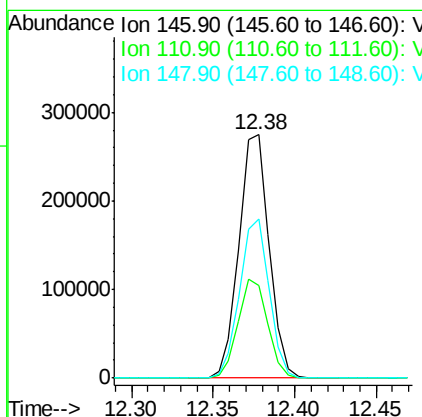
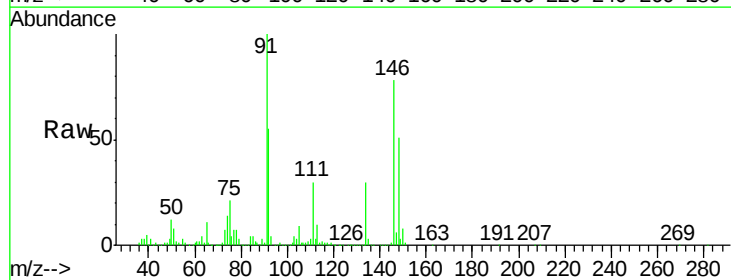
Manual Integrations
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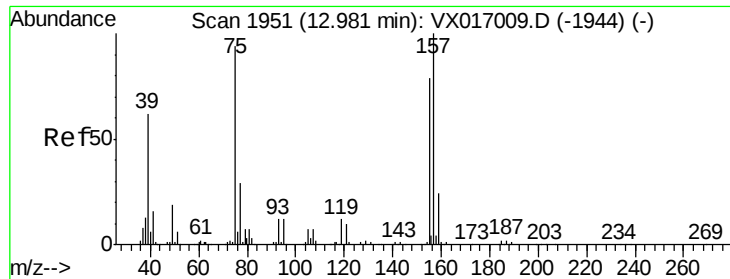
MMDadoda
7/9/2020 10:59:52 AM



#91
1,2-Dichlorobenzene
Concen: 51.835 ug/l
RT: 12.38 min Scan# 1852
Delta R.T. -0.00 min
Lab File: VX017269.D
Acq: 08 Jul 2020 20:23

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	355260		
111	39.9	20.6	61.9	
148	64.3	32.4	97.2	





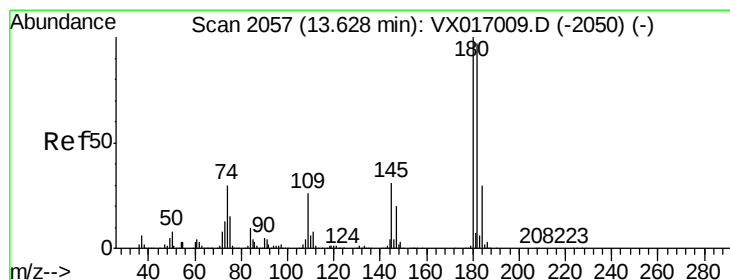
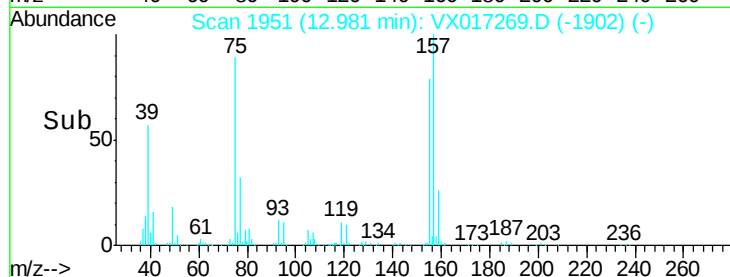
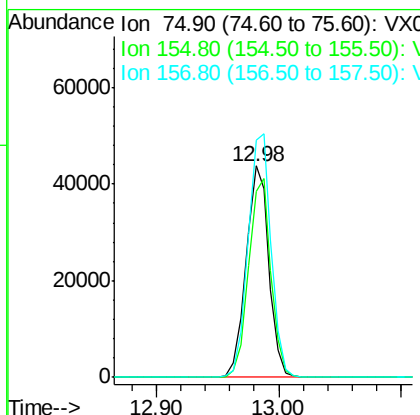
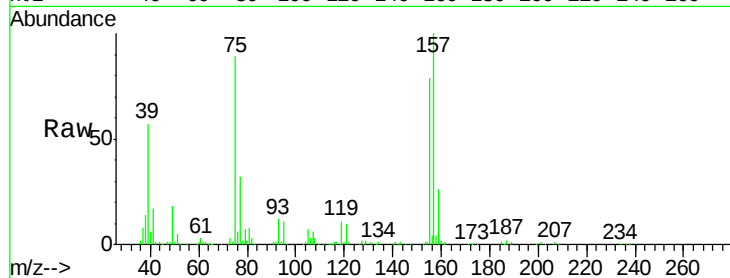
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.243 ug/l
 RT: 12.98 min Scan# 1951
 Delta R.T. -0.00 min
 Lab File: VX017269.D
 Acq: 08 Jul 2020 20:23

Instrument :
 MSVOA_X
 ClientSampleId :
 MH-117N-20200630MSD

Tot Ion	Ratio	Lower	Upper
75	100		
155	92.6	45.1	135.2
157	117.0	56.5	169.3

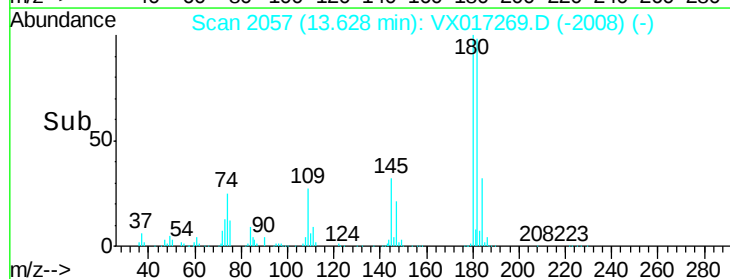
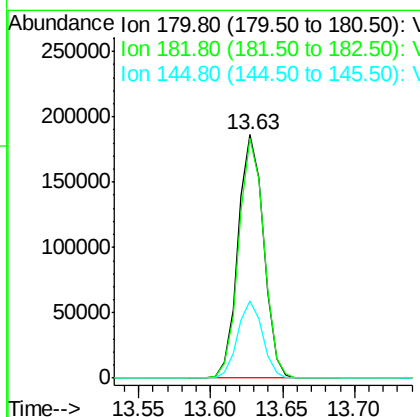
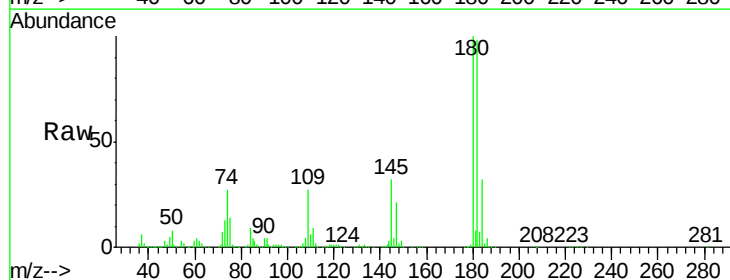
Manual Integrations
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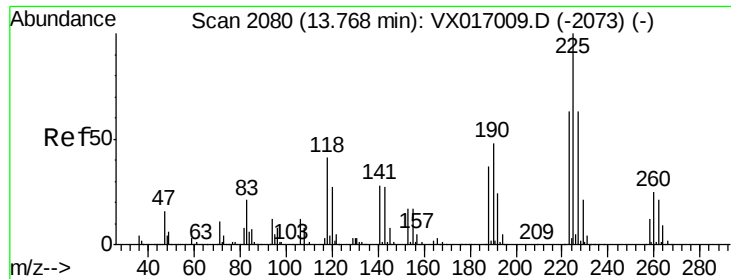
MMDadoda
 7/9/2020 10:59:52 AM



#93
 1,2,4-Trichlorobenzene
 Concen: 49.096 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. -0.00 min
 Lab File: VX017269.D
 Acq: 08 Jul 2020 20:23

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.0	47.3	141.9
145	31.3	15.4	46.2





#94

Hexachlorobutadiene

Concen: 47.698 ug/l

RT: 13.77 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX017269.D

Acq: 08 Jul 2020 20:23

Instrument :

MSVOA_X

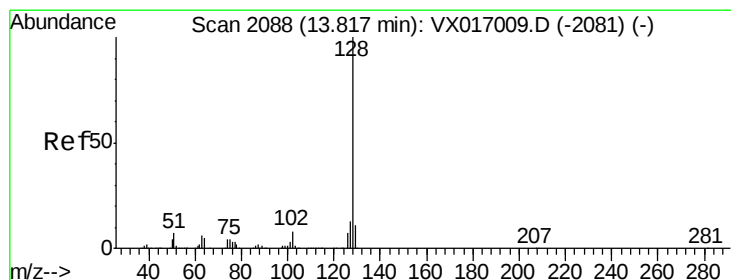
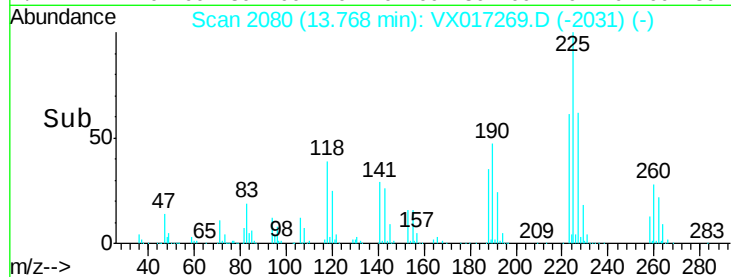
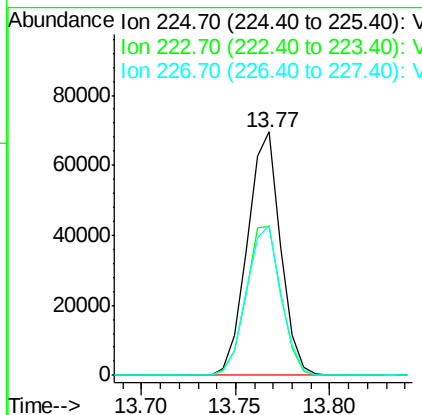
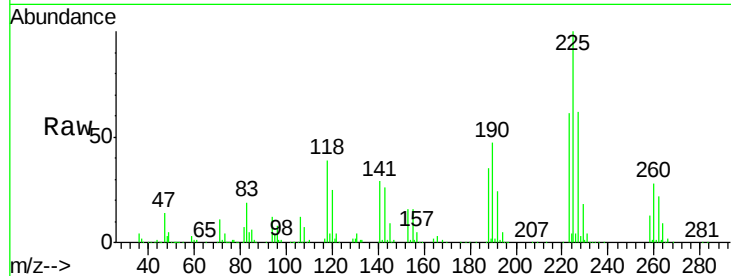
ClientSampleId :

MH-117N-20200630MSD

Tot Ion:	225	Resp:	84613
Ion Ratio	Lower	Upper	
225	100		
223	64.8	32.5	97.5
227	63.7	33.1	99.2

Manual Integrations
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MMDadoda
7/9/2020 10:59:52 AM



#95

Naphthalene

Concen: 53.490 ug/l

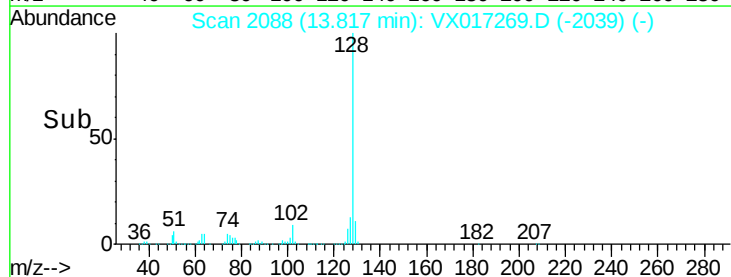
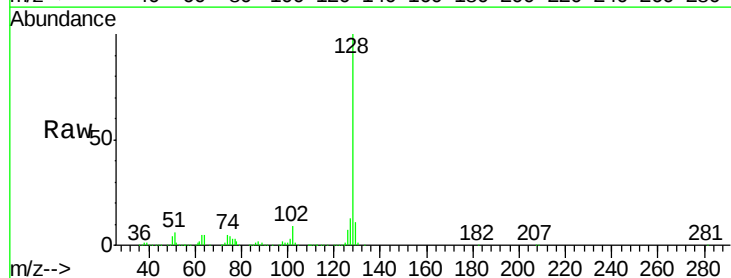
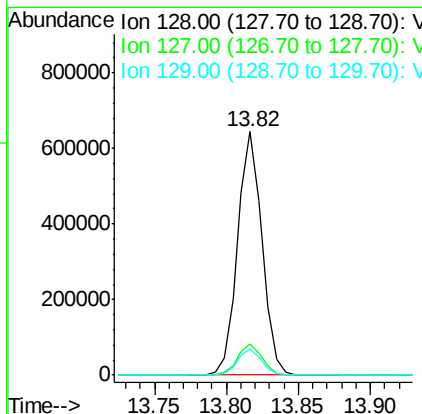
RT: 13.82 min Scan# 2088

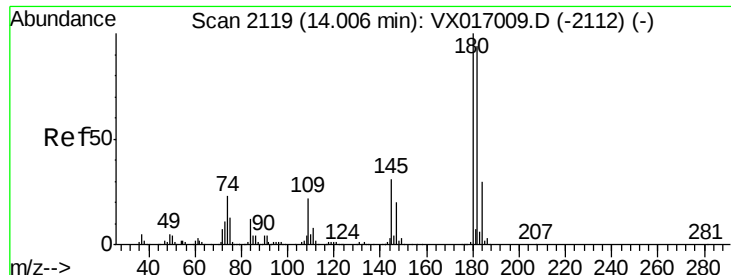
Delta R.T. -0.00 min

Lab File: VX017269.D

Acq: 08 Jul 2020 20:23

Tgt Ion:	128	Resp:	760720
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.2	15.4
129	10.8	8.7	13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 51.394 ug/l
 RT: 14.01 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VX017269.D
 Acq: 08 Jul 2020 20:23

Instrument :
 MSVOA_X
 ClientSampleId :
 MH-117N-20200630MSD

Tot Ion:	180	Resp:	232671
Ion Ratio	Lower	Upper	
180	100		
182	95.1	47.1	141.4
145	32.8	16.6	49.7

Manual Integrations
 APPROVED

MMDadoda
 7/9/2020 10:59:52 AM

