

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071619\
 Data File : VN056781.D
 Acq On : 16 Jul 2019 20:02
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 7/17/2019 4:57:37 PM

Quant Time: Jul 17 03:41:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 07:03:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	316120	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	493372	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	438675	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	202054	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	176415	50.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.90%	
35) Dibromofluoromethane	7.59	113	155634	50.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.38%	
50) Toluene-d8	10.09	98	594298	50.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.24%	
62) 4-Bromofluorobenzene	12.40	95	203026	50.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	137350	46.272	ug/l	98
3) Chloromethane	2.06	50	186420	46.712	ug/l	99
4) Vinyl Chloride	2.18	62	181498	47.227	ug/l	99
5) Bromomethane	2.55	94	108287	47.915	ug/l	98
6) Chloroethane	2.69	64	104746	46.773	ug/l	96
7) Trichlorofluoromethane	3.01	101	235989	47.856	ug/l	98
8) Diethyl Ether	3.41	74	96733	50.315	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.75	101	144773	48.866	ug/l	100
10) Methyl Iodide	3.95	142	205681	51.904	ug/l	99
11) Tert butyl alcohol	4.79	59	152550	262.100	ug/l	98
12) 1,1-Dichloroethene	3.73	96	144850	48.743	ug/l	98
13) Acrolein	3.61	56	48940	246.349	ug/l	99
14) Allyl chloride	4.32	41	249935	48.633	ug/l	99
15) Acrylonitrile	4.99	53	429974	255.813	ug/l	100
16) Acetone	3.82	43	336989	209.131	ug/l	99
17) Carbon Disulfide	4.05	76	356913	45.450	ug/l	99
18) Methyl Acetate	4.32	43	187075	51.725	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	471753	49.823	ug/l	100
20) Methylene Chloride	4.55	84	171757	48.776	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	155995	49.660	ug/l	96
22) Diisopropyl ether	5.95	45	515235	50.792	ug/l	97
23) Vinyl Acetate	5.90	43	2169354	263.906	ug/l	100
24) 1,1-Dichloroethane	5.85	63	292524	49.738	ug/l	99
25) 2-Butanone	6.84	43	574993	244.071	ug/l	99
26) 2,2-Dichloropropane	6.82	77	194601	45.890	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	185465	51.311	ug/l	98
28) Bromochloromethane	7.19	49	141886	51.311	ug/l	100
29) Tetrahydrofuran	7.21	42	387251	252.026	ug/l	98
30) Chloroform	7.37	83	288834	49.077	ug/l	99
31) Cyclohexane	7.65	56	270962	48.473	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	237863	51.105	ug/l	99
36) 1,1-Dichloropropene	7.79	75	216839	47.495	ug/l	100
37) Ethyl Acetate	6.93	43	229121	50.919	ug/l	99
38) Carbon Tetrachloride	7.77	117	202886	47.387	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	270741	48.027	ug/l	99
40) Benzene	8.04	78	673878	48.173	ug/l	99
41) Methacrylonitrile	7.18	41	115343m	58.356	ug/l	
42) 1,2-Dichloroethane	8.13	62	216845	49.048	ug/l	100
43) Isopropyl Acetate	8.17	43	371769	52.555	ug/l	98
44) Trichloroethene	8.84	130	184891	48.672	ug/l	94
45) 1,2-Dichloropropane	9.12	63	180698	48.613	ug/l	97
46) Dibromomethane	9.21	93	116886	50.743	ug/l	98
47) Bromodichloromethane	9.40	83	220921	50.470	ug/l	98
48) Methyl methacrylate	9.20	41	174915	51.129	ug/l	100
49) 1,4-Dioxane	9.20	88	74075	1055.257	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	1155490	252.198	ug/l	100
52) Toluene	10.16	92	415089	49.964	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	234355	51.317	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	267793	50.532	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	170094	48.814	ug/l	99
56) Ethyl methacrylate	10.43	69	263277	52.511	ug/l	99
57) 1,3-Dichloropropane	10.71	76	282936	49.716	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	610133	253.066	ug/l	99
59) 2-Hexanone	10.75	43	836923	254.576	ug/l	99
60) Dibromochloromethane	10.90	129	175577	51.234	ug/l	99
61) 1,2-Dibromoethane	11.00	107	178062	51.419	ug/l	99
64) Tetrachloroethene	10.63	164	179475	47.423	ug/l	99
65) Chlorobenzene	11.43	112	446265	49.752	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	166035	50.275	ug/l	99
67) Ethyl Benzene	11.51	91	783902	49.729	ug/l	99
68) m/p-Xylenes	11.62	106	594652	100.939	ug/l	99
69) o-Xylene	11.95	106	285386	49.274	ug/l	98
70) Styrene	11.96	104	488723	52.194	ug/l	100
71) Bromoform	12.12	173	128426	51.108	ug/l #	97
73) Isopropylbenzene	12.25	105	770637	47.302	ug/l	99
74) N-amyl acetate	12.07	43	294769	48.582	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	245694	52.164	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	216114m	48.903	ug/l	
77) Bromobenzene	12.53	156	200739	47.108	ug/l	98
78) n-propylbenzene	12.59	91	849014	46.941	ug/l	100
79) 2-Chlorotoluene	12.67	91	510986	51.164	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	649954	47.071	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	70895	49.544	ug/l	100
82) 4-Chlorotoluene	12.77	91	505758	47.649	ug/l	99
83) tert-Butylbenzene	12.99	119	553562	51.471	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	642717	47.646	ug/l	100
85) sec-Butylbenzene	13.17	105	727353	47.406	ug/l	100
86) p-Isopropyltoluene	13.29	119	662457	47.661	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	334073	47.837	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	323632	47.642	ug/l	99
89) n-Butylbenzene	13.61	91	545703	48.741	ug/l	100
90) Hexachloroethane	13.87	117	105871	47.102	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	336991	47.182	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	42239	48.350	ug/l	97

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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	175965	44.994	ug/l	99
94) Hexachlorobutadiene	15.01	225	113539	50.613	ug/l	100
95) Naphthalene	15.13	128	460902	43.247	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	176010	45.264	ug/l	99

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

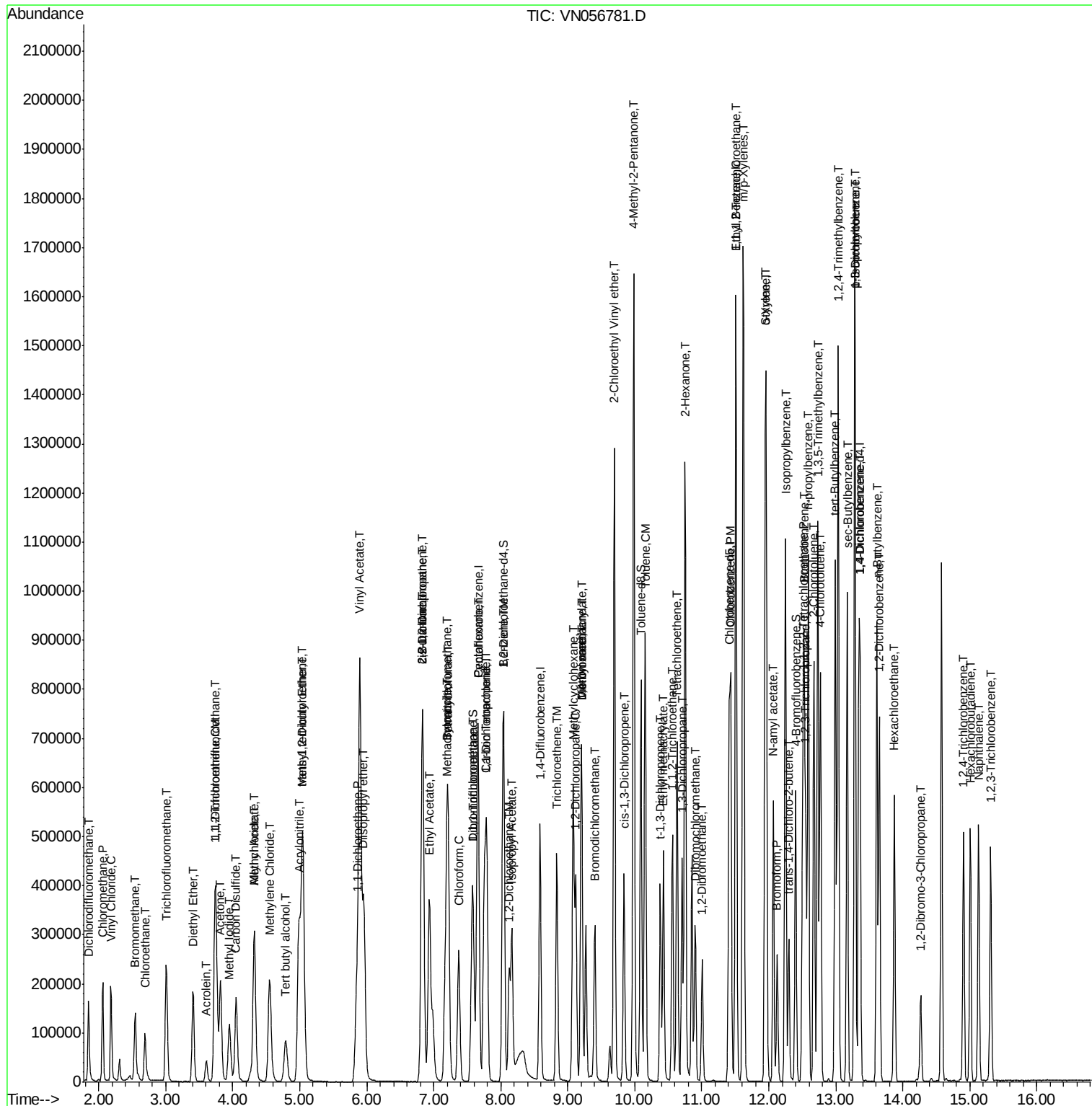
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071619\
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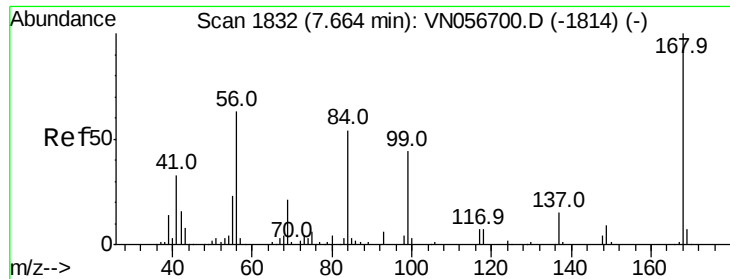
Instrument :
 MSVOA_N
 ClientSampleId :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN056781.D

Acq: 16 Jul 2019 20:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 316120

Ion Ratio Lower Upper

168 100

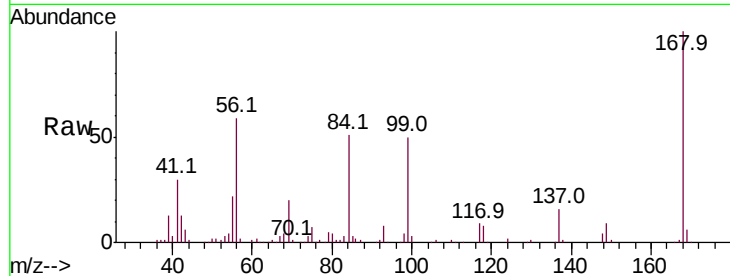
99 50.2 39.4 59.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

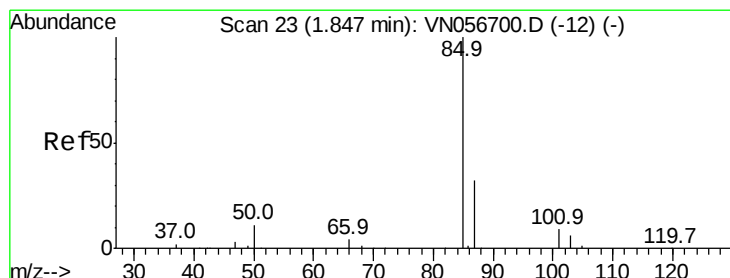
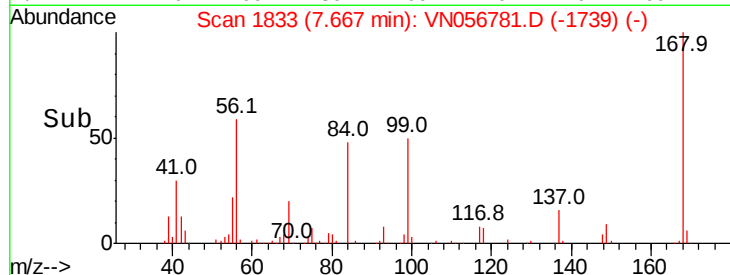
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100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 46.272 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN056781.D

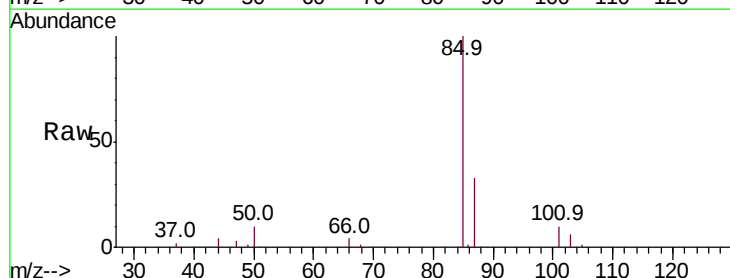
Acq: 16 Jul 2019 20:02

Tgt Ion: 85 Resp: 137350

Ion Ratio Lower Upper

85 100

87 32.7 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

100000

80000

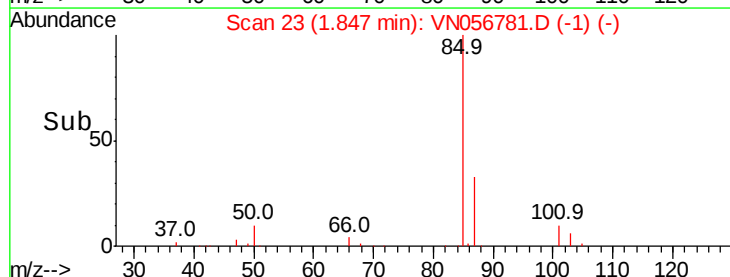
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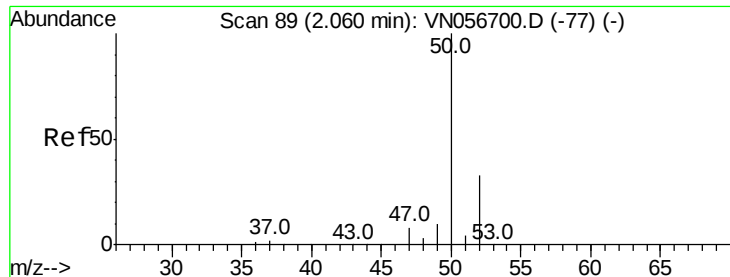
40000

20000

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Time-->





#3

Chloromethane

Concen: 46.712 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN056781.D

Acq: 16 Jul 2019 20:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 186420

Ion Ratio Lower Upper

50 100

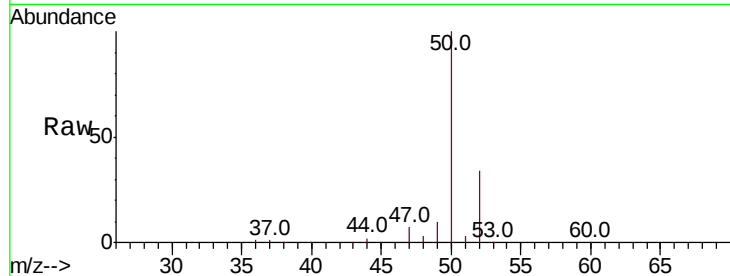
52 33.9 26.5 39.7

Manual Integrations

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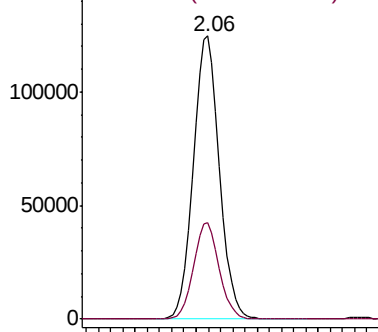
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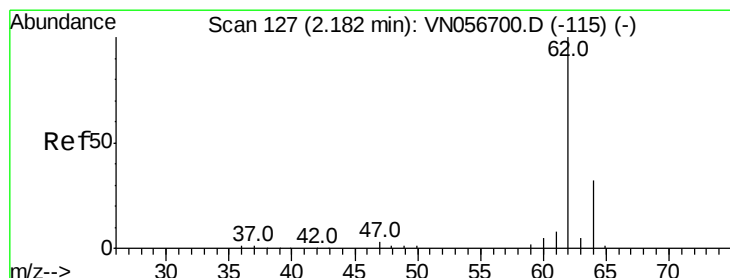
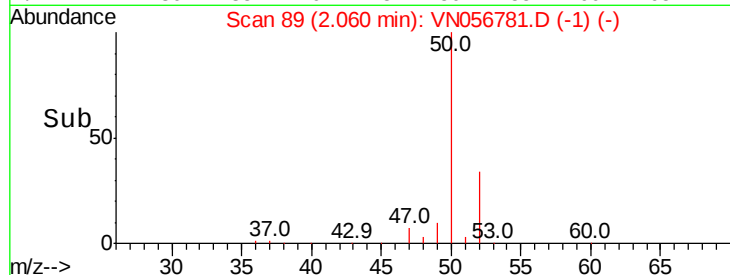


Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



Time-->



#4

Vinyl Chloride

Concen: 47.227 ug/l

RT: 2.18 min Scan# 127

Delta R.T. 0.00 min

Lab File: VN056781.D

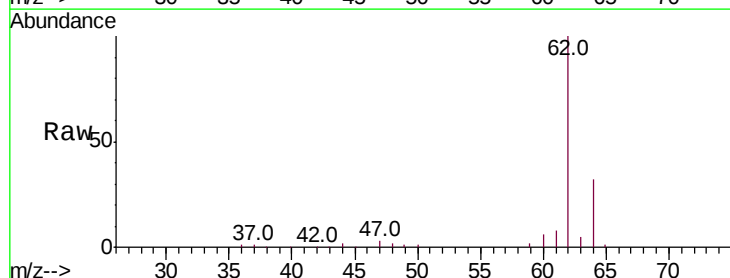
Acq: 16 Jul 2019 20:02

Tgt Ion: 62 Resp: 181498

Ion Ratio Lower Upper

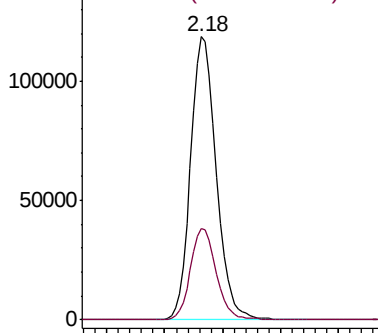
62 100

64 32.5 25.6 38.4

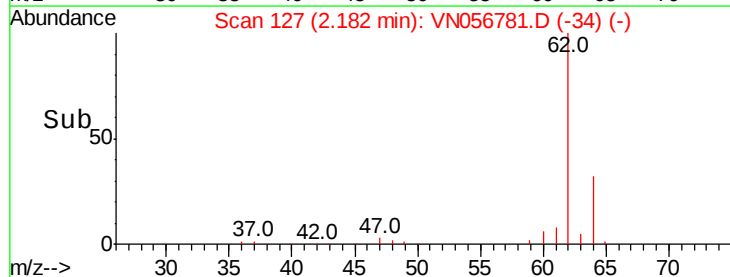


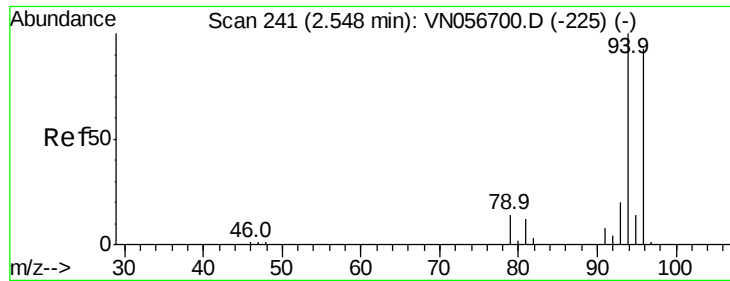
Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC



Time-->





#5

Bromomethane

Concen: 47.915 ug/l

RT: 2.55 min Scan# 240

Delta R.T. -0.00 min

Lab File: VN056781.D

Acq: 16 Jul 2019 20:02

Instrument :

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Tot Ion: 94 Resp: 108287

Ion Ratio Lower Upper

94 100

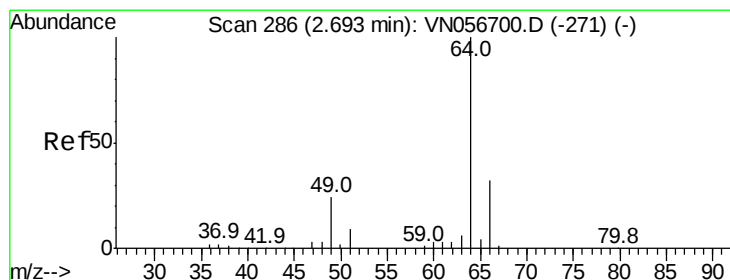
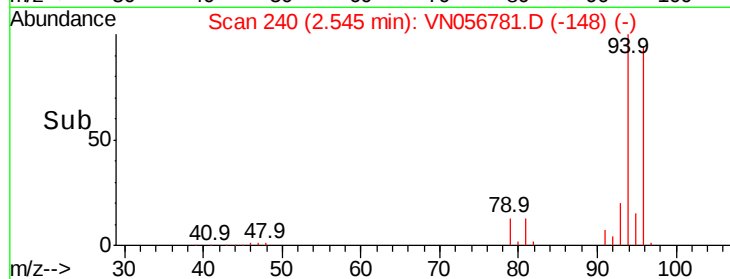
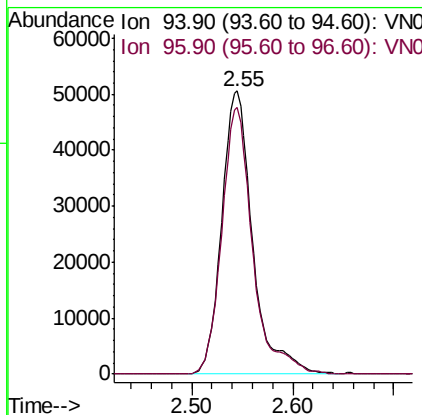
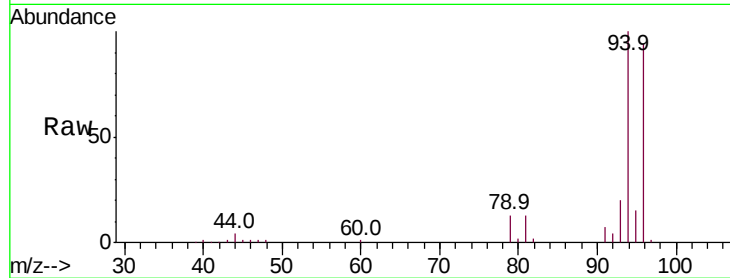
96 94.3 74.0 111.0

Manual Integrations

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#6

Chloroethane

Concen: 46.773 ug/l

RT: 2.69 min Scan# 285

Delta R.T. -0.00 min

Lab File: VN056781.D

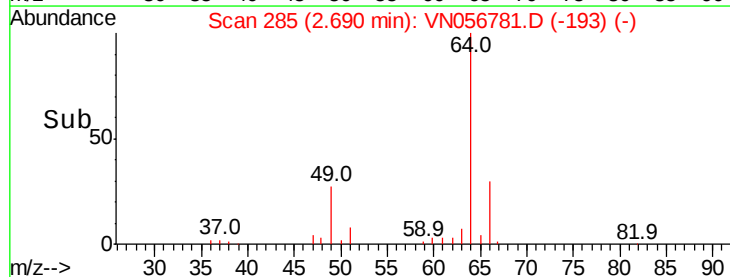
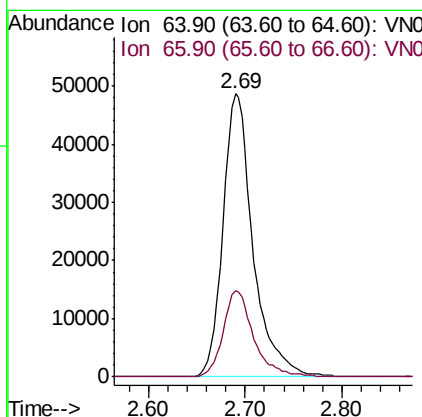
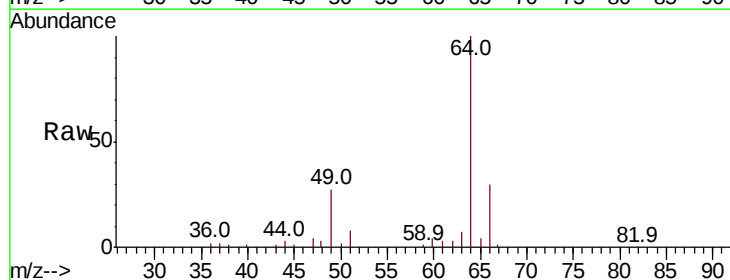
Acq: 16 Jul 2019 20:02

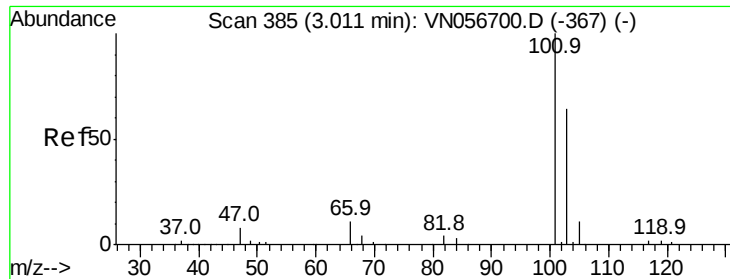
Tgt Ion: 64 Resp: 104746

Ion Ratio Lower Upper

64 100

66 30.3 25.8 38.8





#7

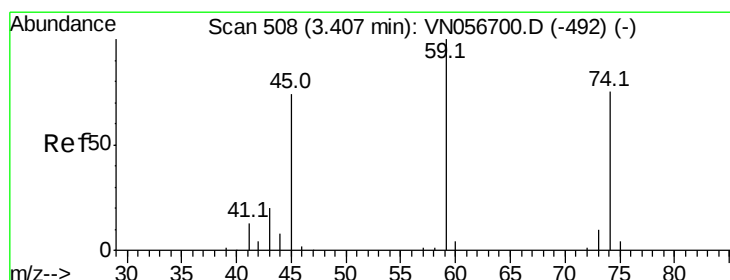
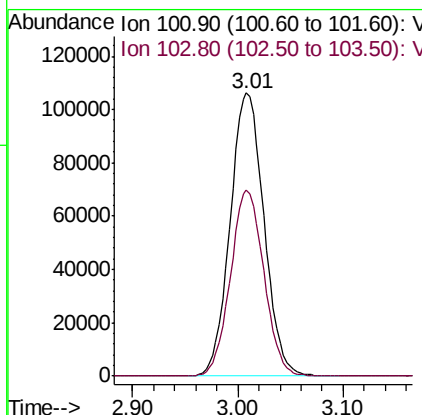
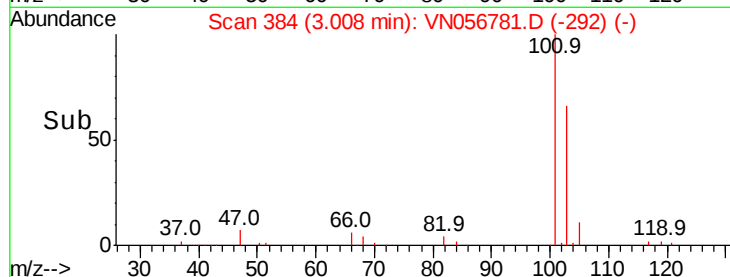
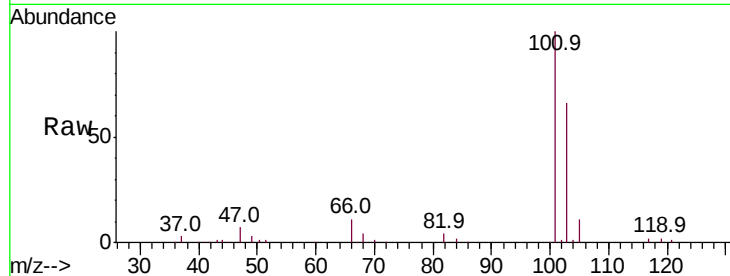
Trichlorofluoromethane
Concen: 47.856 ug/l
RT: 3.01 min Scan# 384
Delta R.T. -0.00 min
Lab File: VN056781.D
Acq: 16 Jul 2019 20:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:101 Resp: 235989
Ion Ratio Lower Upper
101 100
103 65.8 51.5 77.3

Manual Integrations
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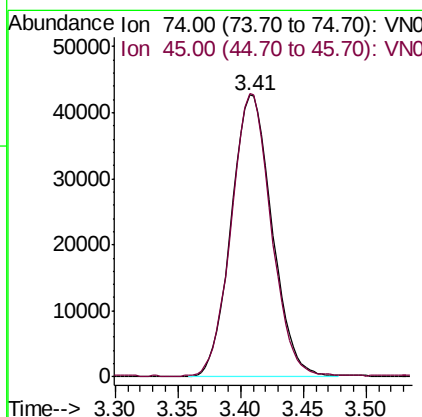
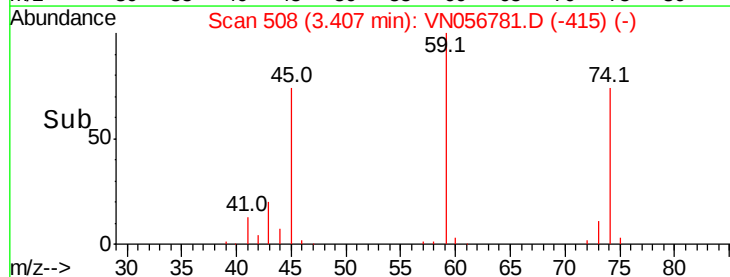
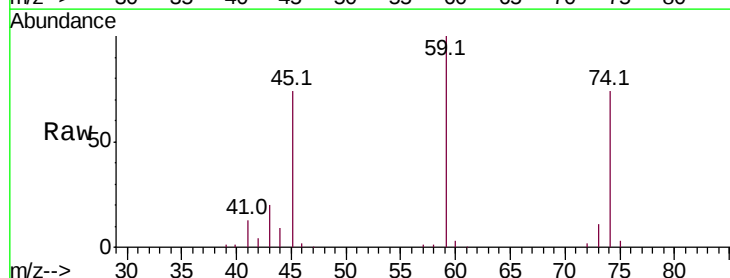
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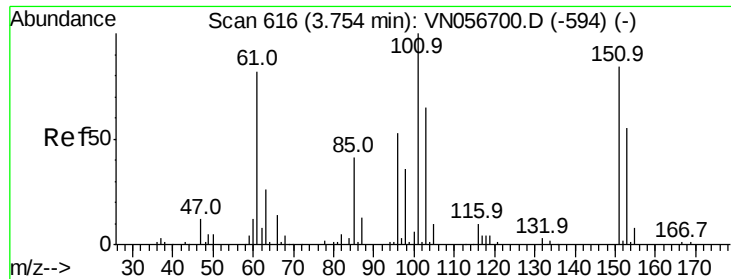


#8

Diethyl Ether
Concen: 50.315 ug/l
RT: 3.41 min Scan# 508
Delta R.T. 0.00 min
Lab File: VN056781.D
Acq: 16 Jul 2019 20:02

Tgt Ion: 74 Resp: 96733
Ion Ratio Lower Upper
74 100
45 98.3 49.4 148.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.866 ug/l

RT: 3.75 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN056781.D

Acq: 16 Jul 2019 20:02

Instrument :

MSVOA_N

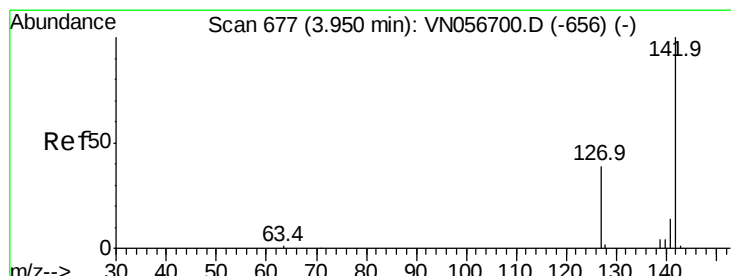
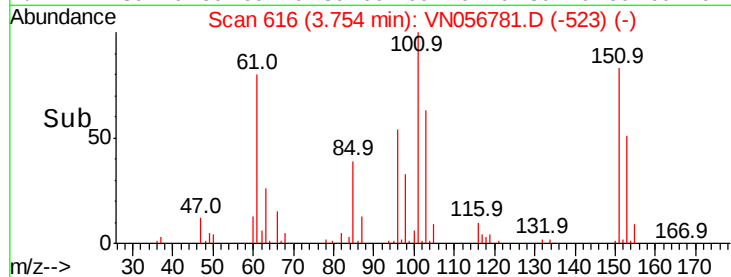
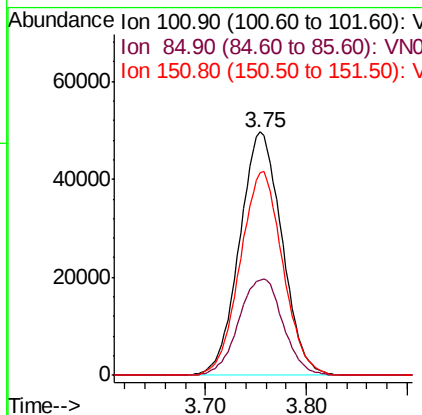
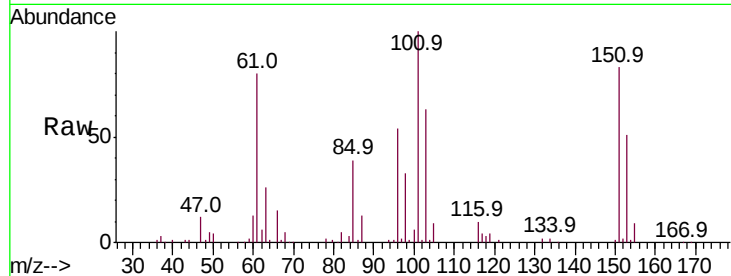
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	144773
Ion Ratio	Lower	Upper	
101	100		
85	41.4	33.3	49.9
151	84.2	67.0	100.6

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#10

Methyl Iodide

Concen: 51.904 ug/l

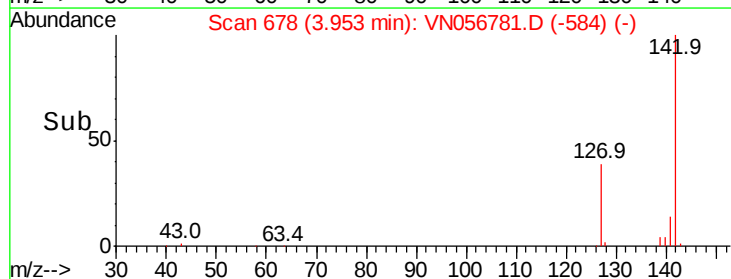
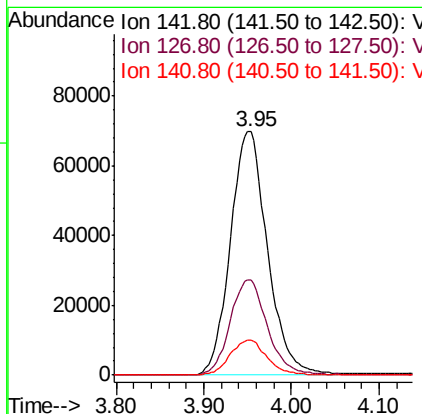
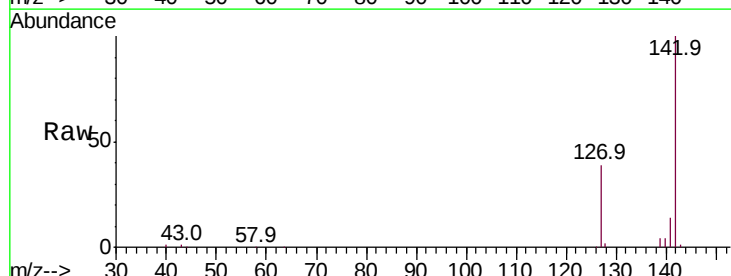
RT: 3.95 min Scan# 678

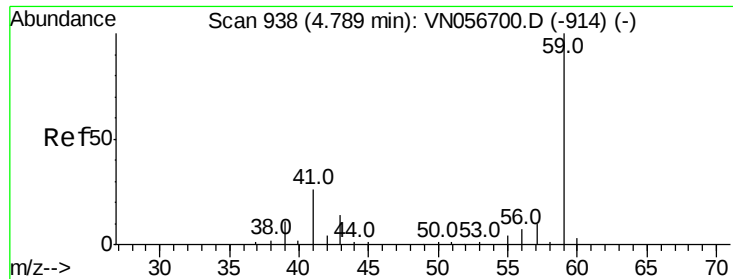
Delta R.T. 0.00 min

Lab File: VN056781.D

Acq: 16 Jul 2019 20:02

Tgt Ion:	142	Resp:	205681
Ion Ratio	Lower	Upper	
142	100		
127	39.1	30.7	46.1
141	14.4	11.3	16.9





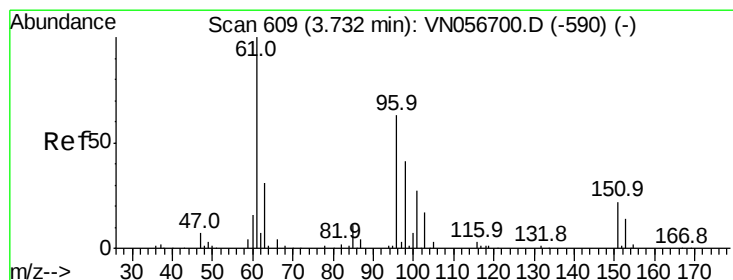
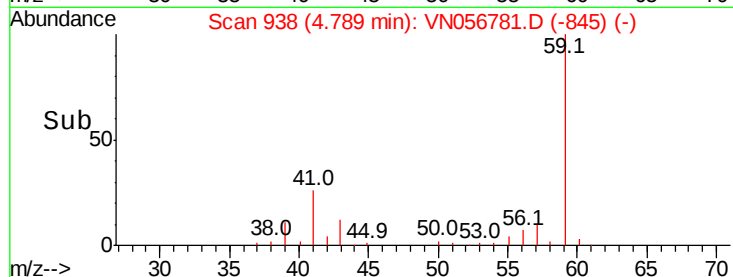
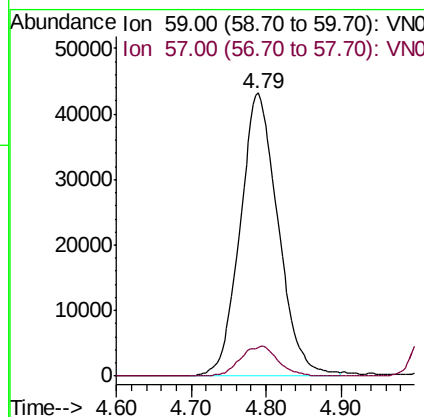
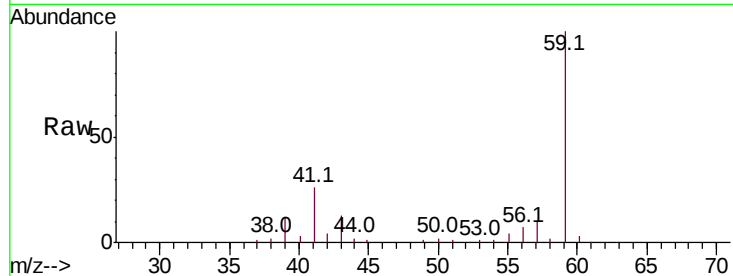
#11
Tert butyl alcohol
Concen: 262.100 ug/l
RT: 4.79 min Scan# 938
Delta R.T. 0.00 min
Lab File: VN056781.D
Acq: 16 Jul 2019 20:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
59	100	152550		
57	10.6		8.0	12.0

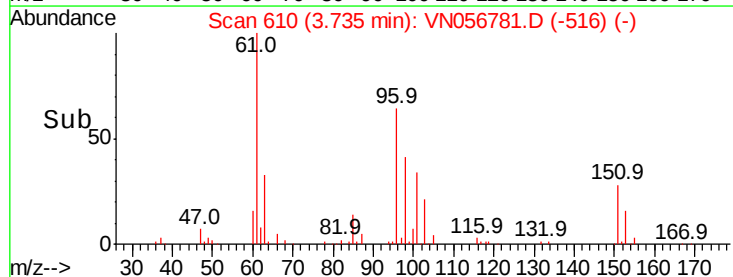
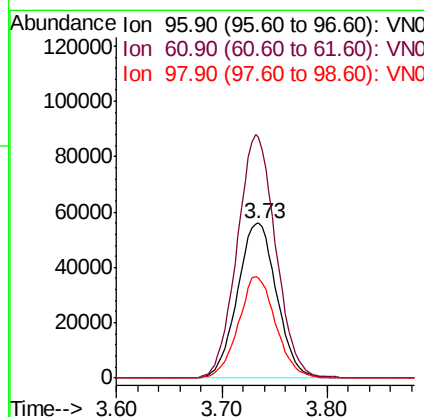
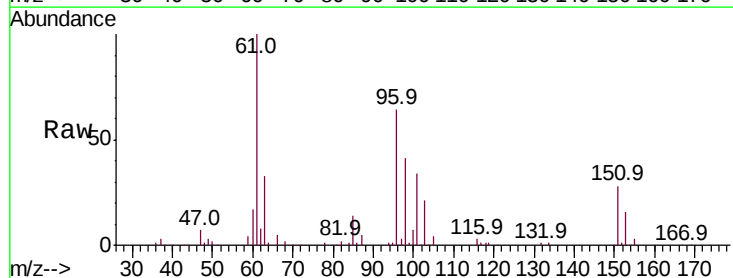
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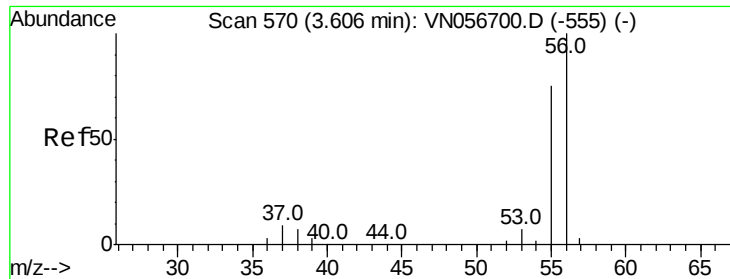
MMDadoda
7/17/2019 4:57:37 PM



#12
1,1-Dichloroethene
Concen: 48.743 ug/l
RT: 3.73 min Scan# 610
Delta R.T. 0.00 min
Lab File: VN056781.D
Acq: 16 Jul 2019 20:02

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	144850		
61	155.2		126.6	189.8
98	64.3		51.4	77.2





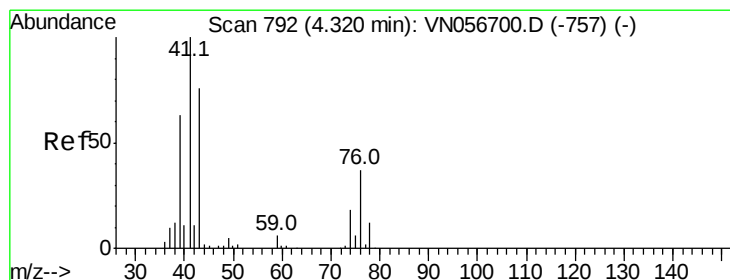
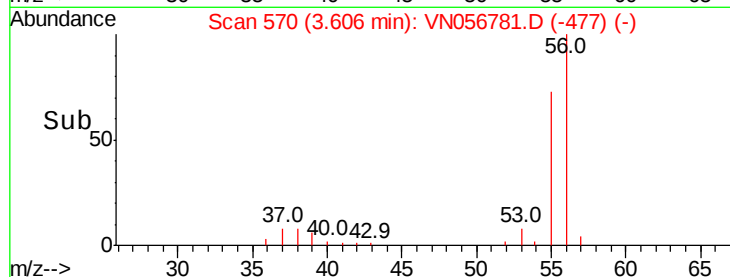
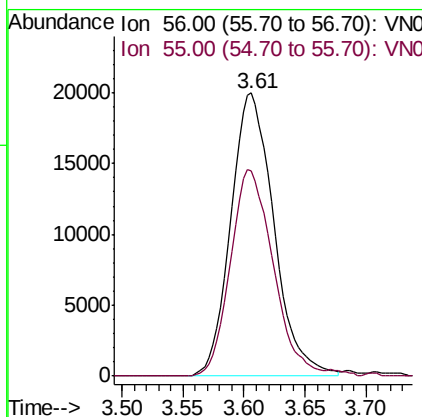
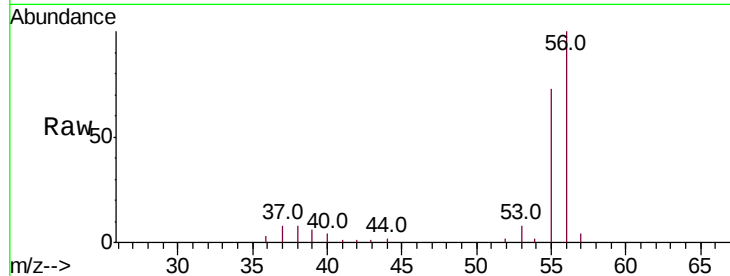
#13
Acrolein
Concen: 246.349 ug/l
RT: 3.61 min Scan# 570
Delta R.T. 0.00 min
Lab File: VN056781.D
Acq: 16 Jul 2019 20:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 56 Resp: 48940
Ion Ratio Lower Upper
56 100
55 73.2 58.0 87.0

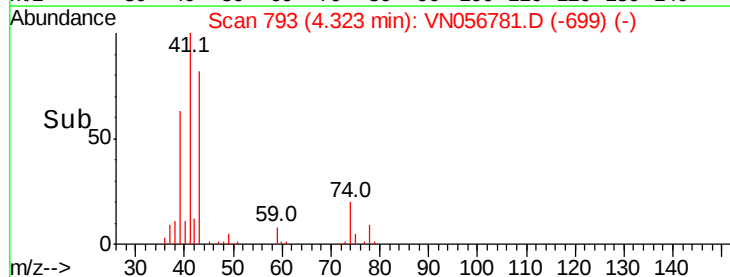
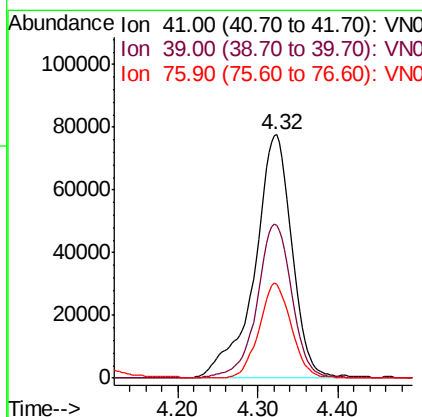
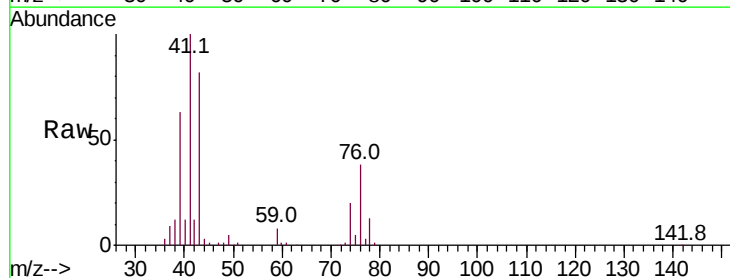
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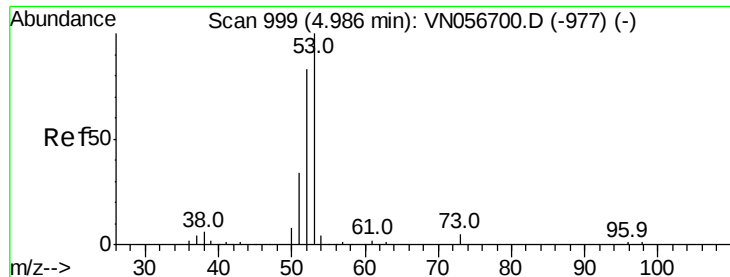
MMDadoda
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#14
Allyl chloride
Concen: 48.633 ug/l
RT: 4.32 min Scan# 793
Delta R.T. 0.00 min
Lab File: VN056781.D
Acq: 16 Jul 2019 20:02

Tgt Ion: 41 Resp: 249935
Ion Ratio Lower Upper
41 100
39 59.3 46.9 70.3
76 33.7 26.5 39.7





#15

Acrylonitrile

Concen: 255.813 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN056781.D

Acq: 16 Jul 2019 20:02

Instrument :

MSVOA_N

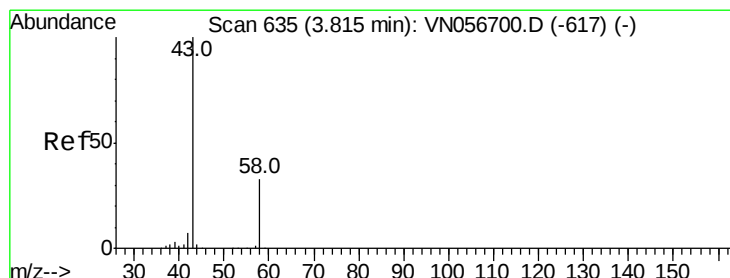
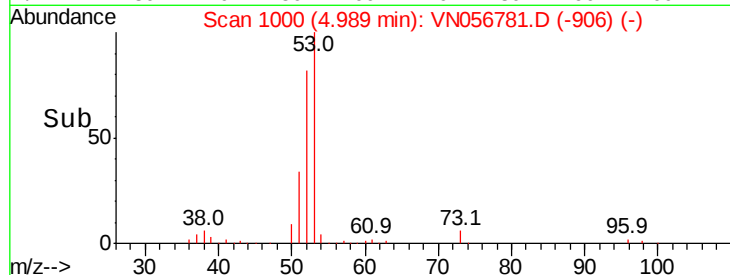
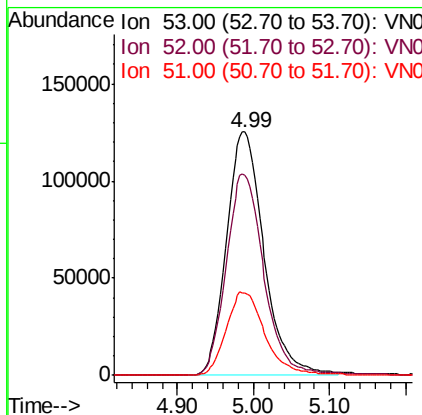
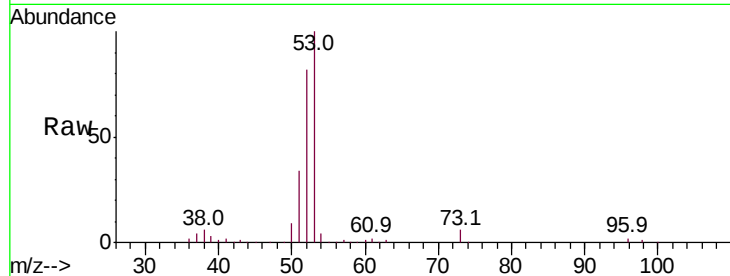
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	429974
Ion	Ratio	Lower	Upper
53	100		
52	83.0	66.6	99.8
51	35.2	28.4	42.6

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#16

Acetone

Concen: 209.131 ug/l

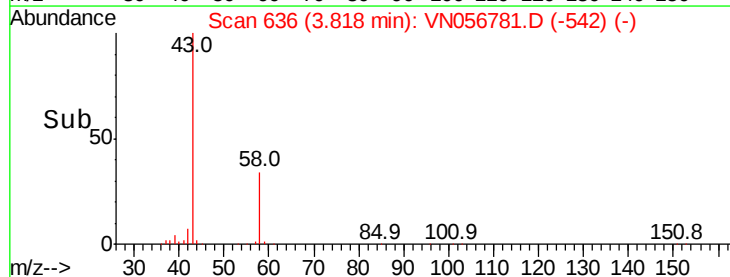
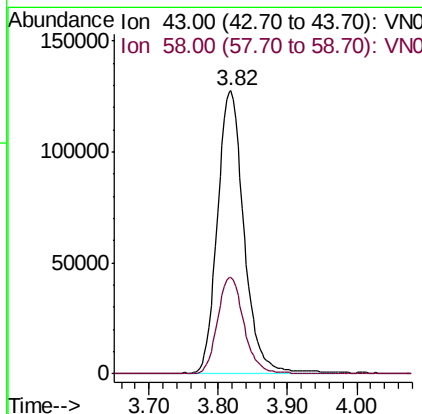
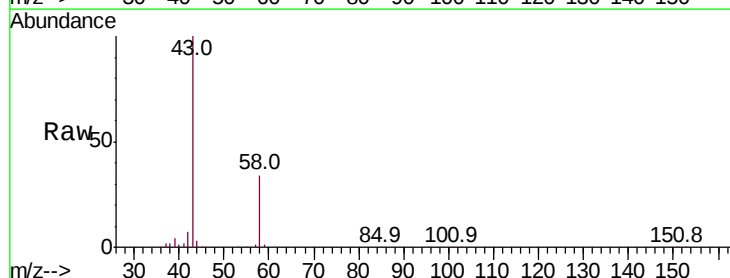
RT: 3.82 min Scan# 636

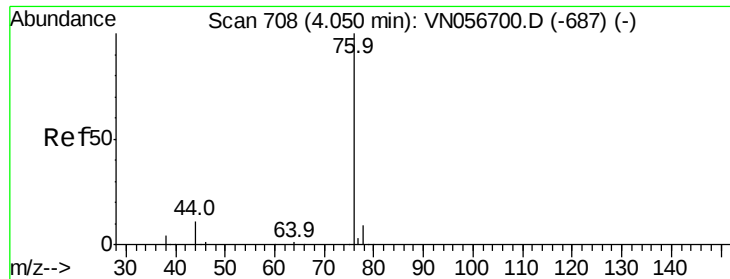
Delta R.T. 0.00 min

Lab File: VN056781.D

Acq: 16 Jul 2019 20:02

Tgt Ion:	43	Resp:	336989
Ion	Ratio	Lower	Upper
43	100		
58	34.0	26.7	40.1





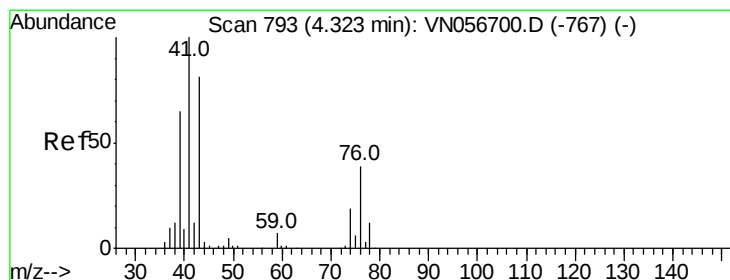
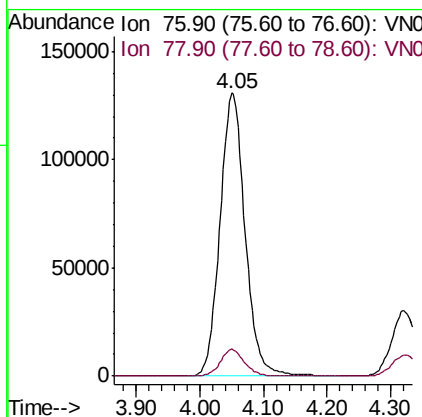
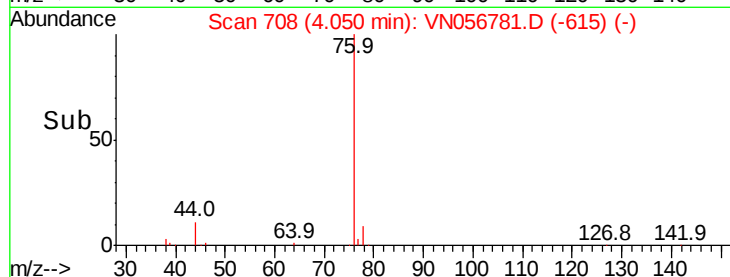
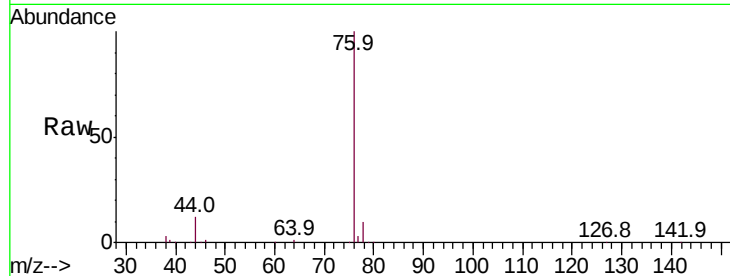
#17
Carbon Disulfide
Concen: 45.450 ug/l
RT: 4.05 min Scan# 708
Delta R.T. 0.00 min
Lab File: VN056781.D
Acq: 16 Jul 2019 20:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 76 Resp: 356913
Ion Ratio Lower Upper
76 100
78 9.6 7.4 11.0

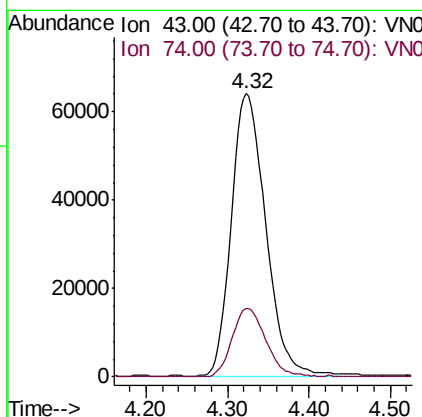
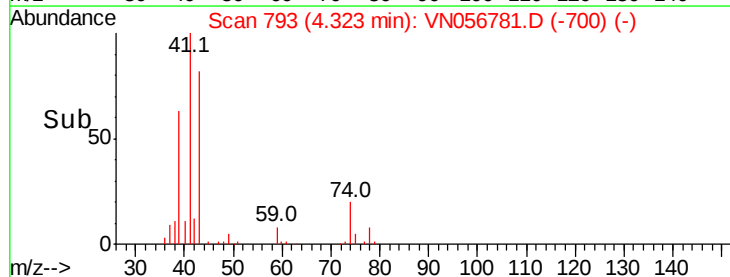
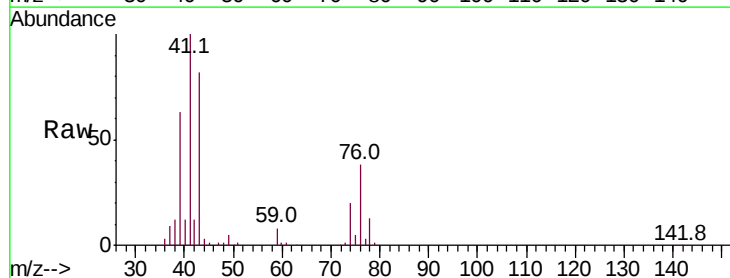
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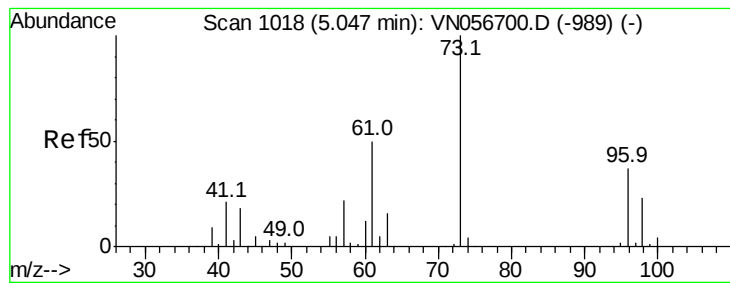
MMDadoda
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#18
Methyl Acetate
Concen: 51.725 ug/l
RT: 4.32 min Scan# 793
Delta R.T. 0.00 min
Lab File: VN056781.D
Acq: 16 Jul 2019 20:02

Tgt Ion: 43 Resp: 187075
Ion Ratio Lower Upper
43 100
74 23.9 18.9 28.3





#19

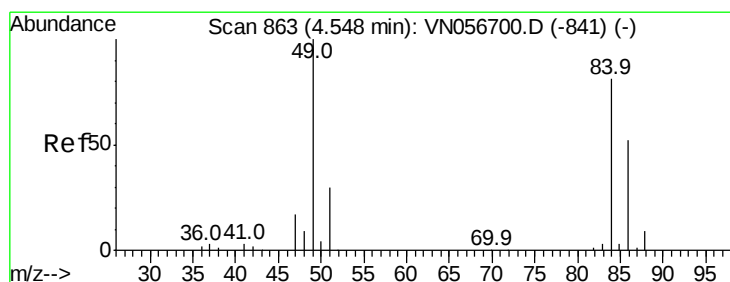
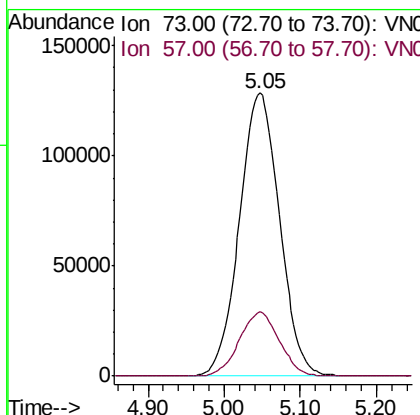
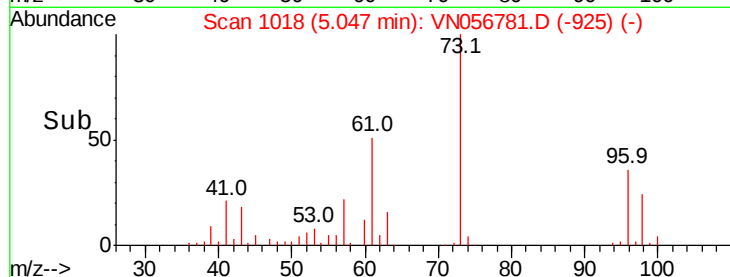
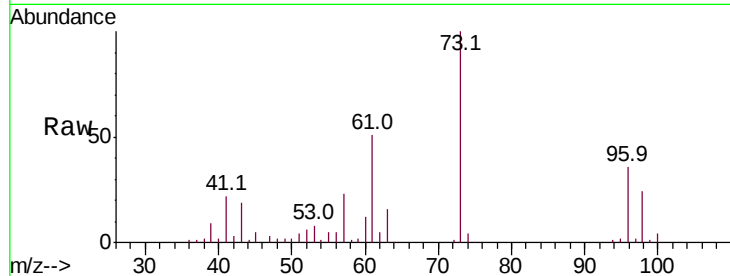
Methyl tert-butyl Ether
 Concen: 49.823 ug/l
 RT: 5.05 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VN056781.D
 Acq: 16 Jul 2019 20:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 73 Resp: 471753
 Ion Ratio Lower Upper
 73 100
 57 22.6 17.9 26.9

Manual Integrations
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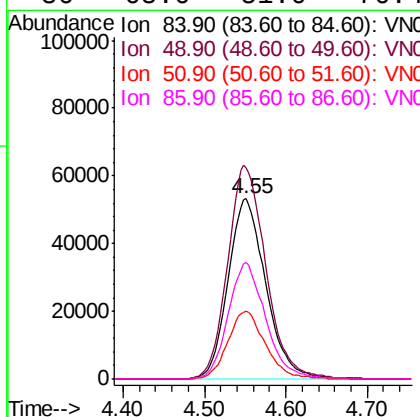
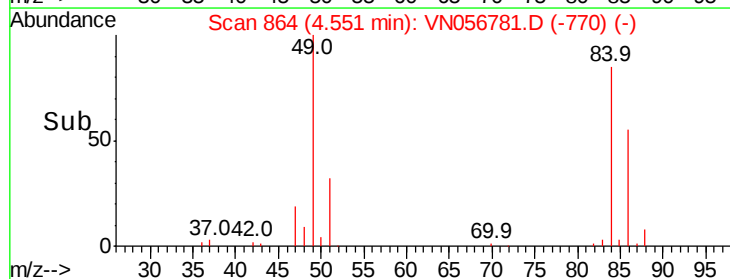
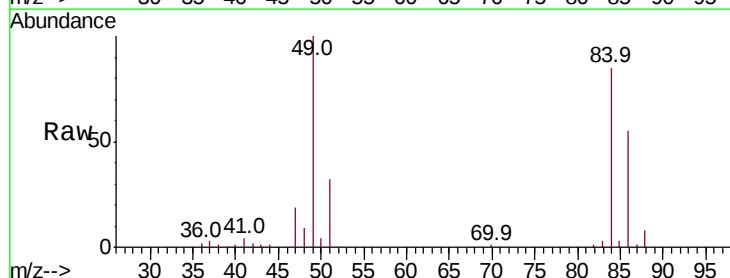
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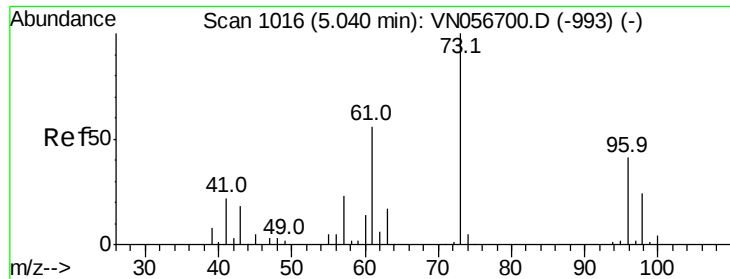


#20

Methylene Chloride
 Concen: 48.776 ug/l
 RT: 4.55 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VN056781.D
 Acq: 16 Jul 2019 20:02

Tgt Ion: 84 Resp: 171757
 Ion Ratio Lower Upper
 84 100
 49 117.3 98.2 147.4
 51 37.7 29.6 44.4
 86 65.0 51.0 76.4





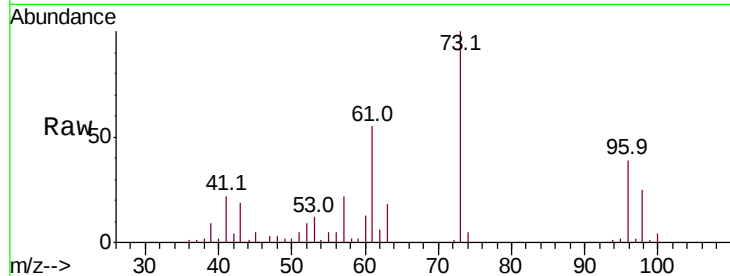
#21
trans-1,2-Dichloroethene
Concen: 49.660 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. 0.00 min
Lab File: VN056781.D
Acq: 16 Jul 2019 20:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	141.4	109.4	164.2
98	63.0	48.0	72.0

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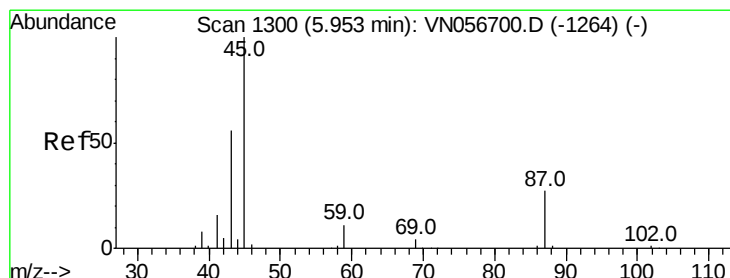
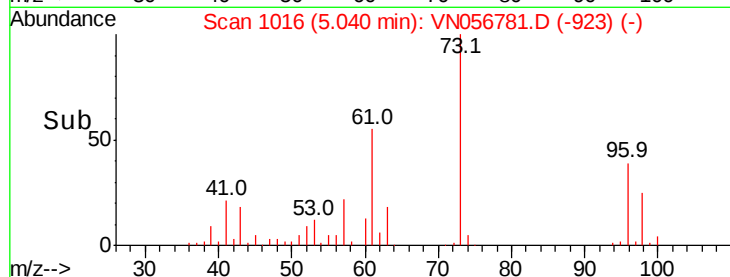
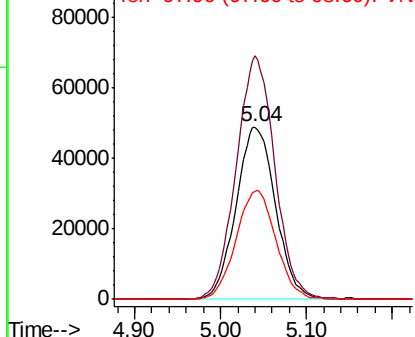


Abundance

Ion 95.90 (95.60 to 96.60): VNC

Ion 60.90 (60.60 to 61.60): VNC

Ion 97.90 (97.60 to 98.60): VNC



#22
Diisopropyl ether
Concen: 50.792 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN056781.D
Acq: 16 Jul 2019 20:02

Tgt Ion	Ratio	Lower	Upper
45	100		
43	59.8	45.6	68.4
87	28.6	22.0	33.0
59	11.9	9.3	13.9

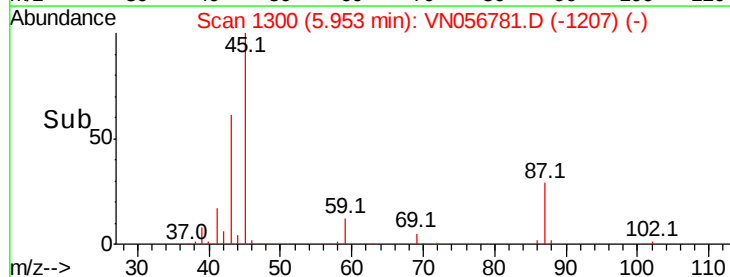
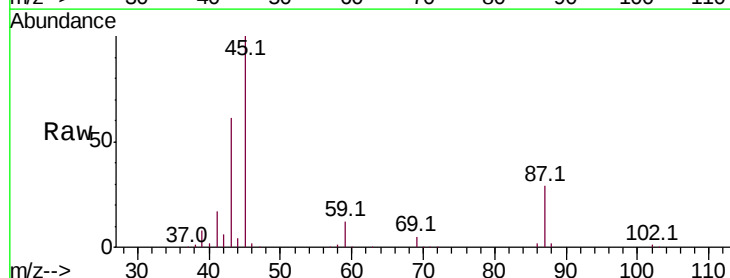
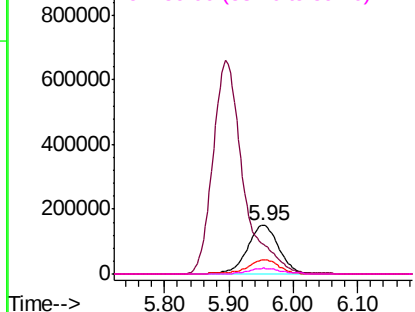
Abundance

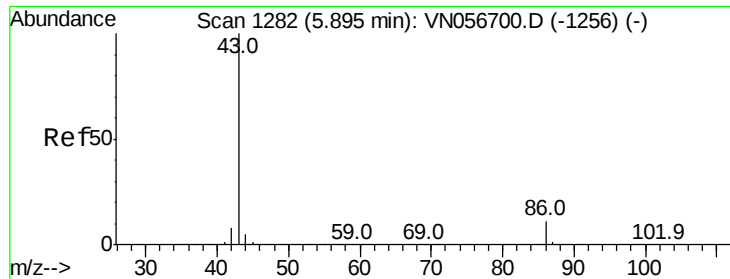
Ion 45.00 (44.70 to 45.70): VNC

Ion 43.00 (42.70 to 43.70): VNC

Ion 87.00 (86.70 to 87.70): VNC

Ion 59.00 (58.70 to 59.70): VNC





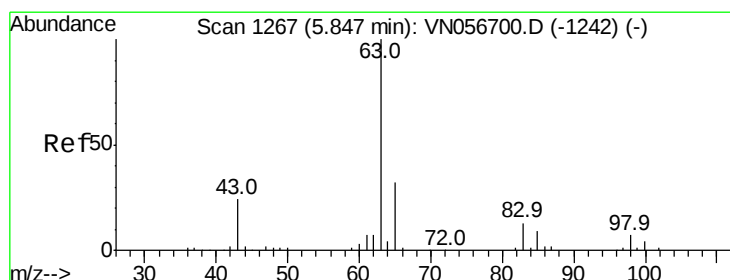
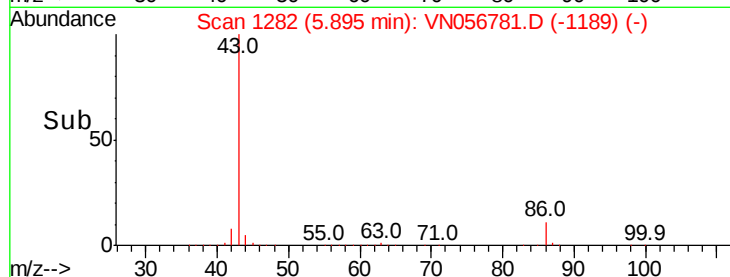
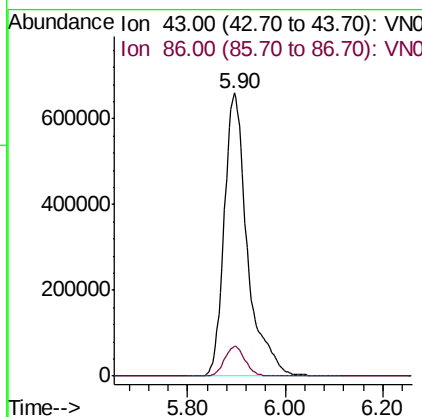
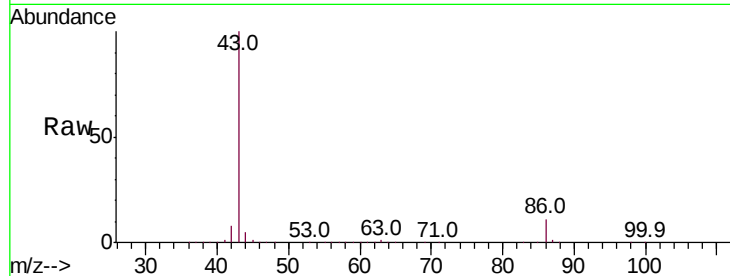
#23
 Vinyl Acetate
 Concen: 263.906 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN056781.D
 Acq: 16 Jul 2019 20:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 2169354
 Ion Ratio Lower Upper
 43 100
 86 10.6 8.5 12.7

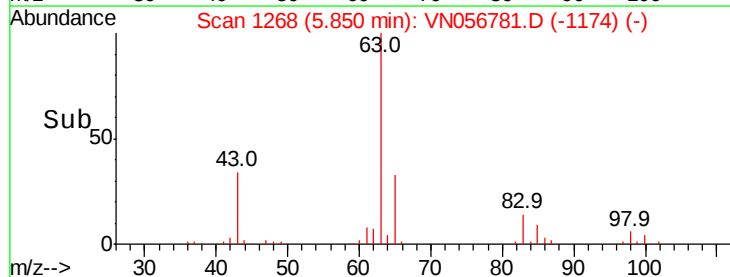
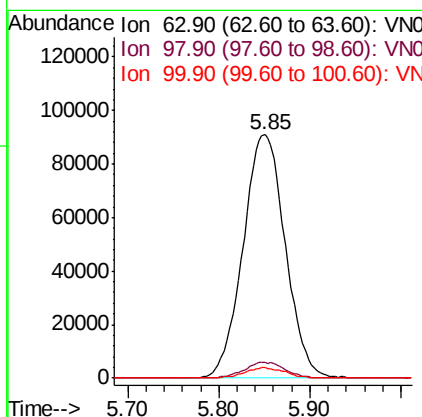
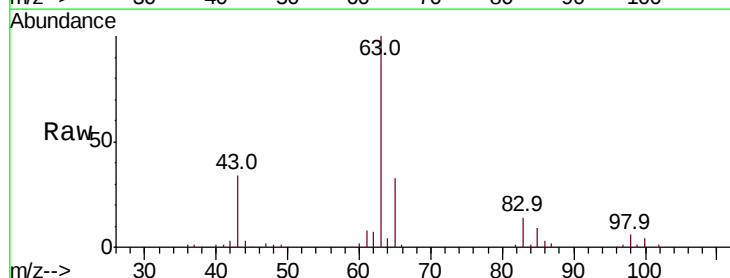
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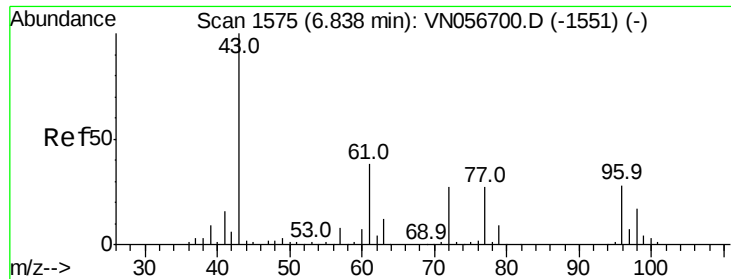
MMDadoda
 7/17/2019 4:57:37 PM



#24
 1,1-Dichloroethane
 Concen: 49.738 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VN056781.D
 Acq: 16 Jul 2019 20:02

Tgt Ion: 63 Resp: 292524
 Ion Ratio Lower Upper
 63 100
 98 6.3 3.3 9.9
 100 4.2 2.0 5.8





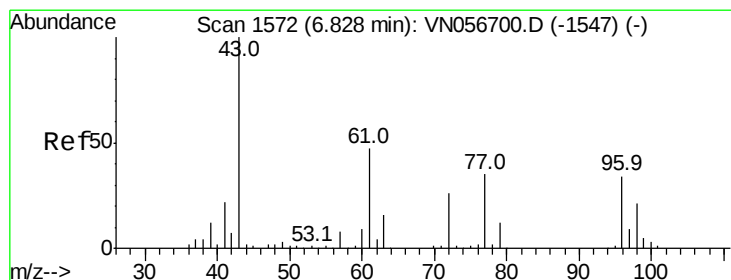
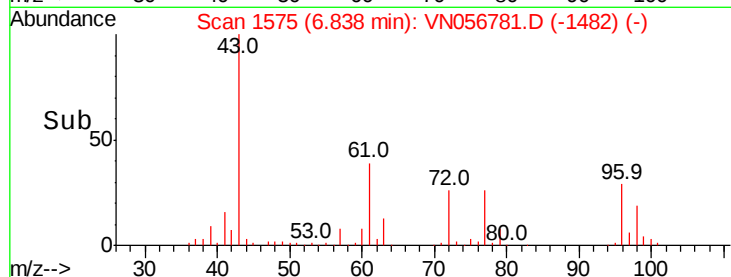
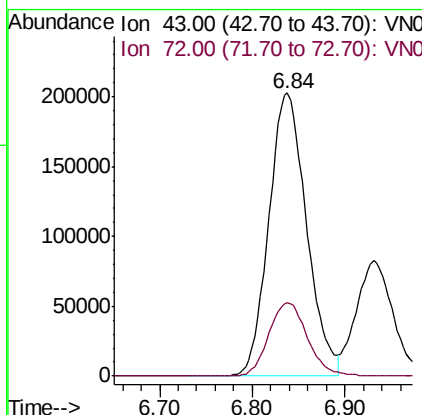
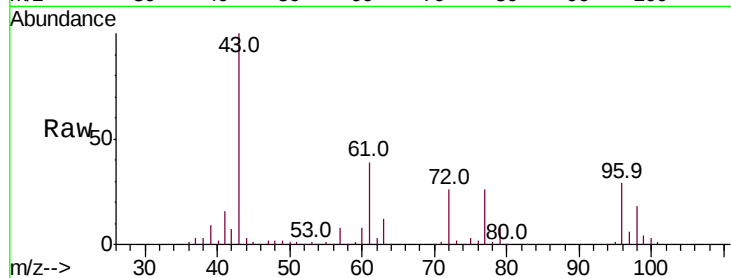
#25
2-Butanone
Concen: 244.071 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VN056781.D
Acq: 16 Jul 2019 20:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 574993
Ion Ratio Lower Upper
43 100
72 26.0 21.2 31.8

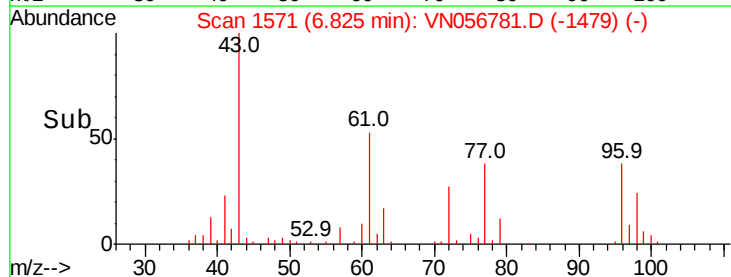
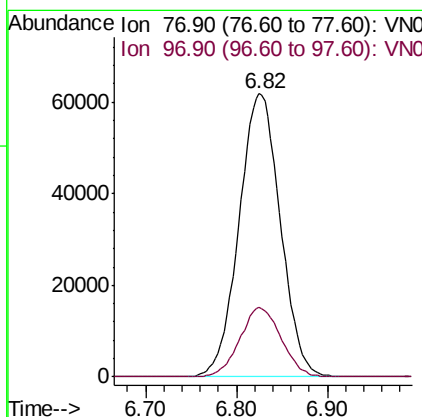
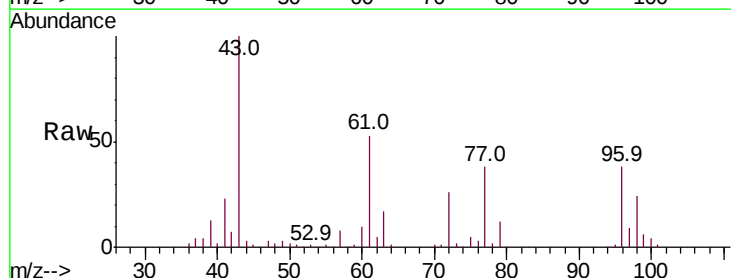
Manual Integrations
APPROVED

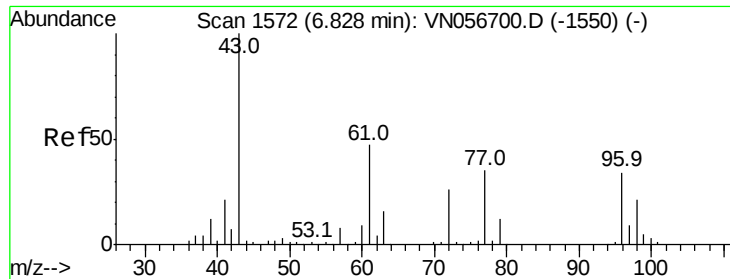
MMDadoda
7/17/2019 4:57:37 PM



#26
2,2-Dichloropropane
Concen: 45.890 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VN056781.D
Acq: 16 Jul 2019 20:02

Tgt Ion: 77 Resp: 194601
Ion Ratio Lower Upper
77 100
97 24.5 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 51.311 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN056781.D

Acq: 16 Jul 2019 20:02

Instrument :

MSVOA_N

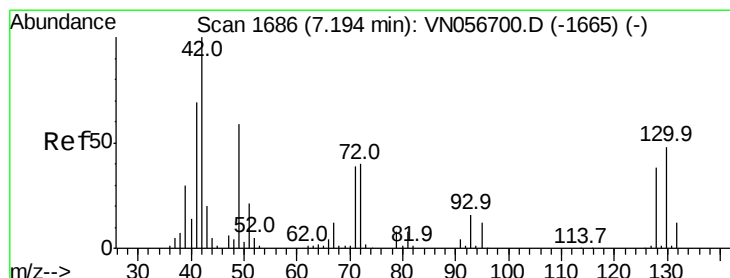
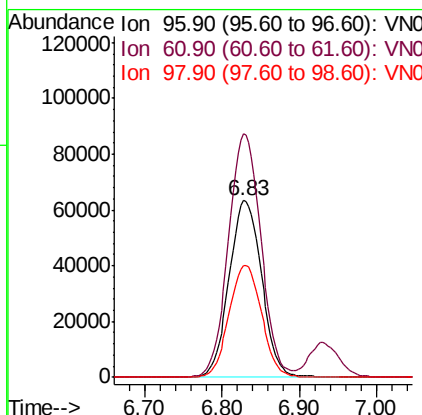
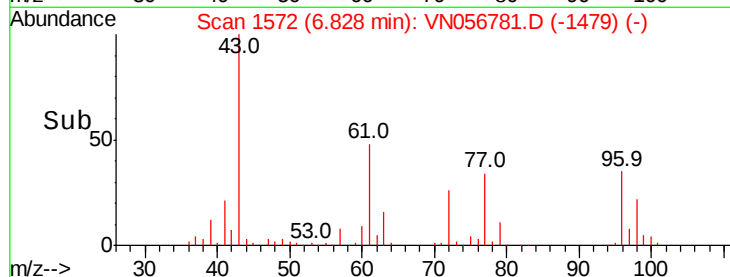
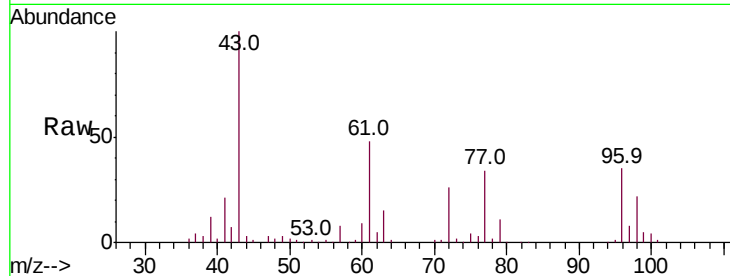
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	185465
Ion Ratio	Lower	Upper	
96	100		
61	137.8	0.0	281.4
98	63.2	0.0	127.8

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#28

Bromochloromethane

Concen: 51.311 ug/l

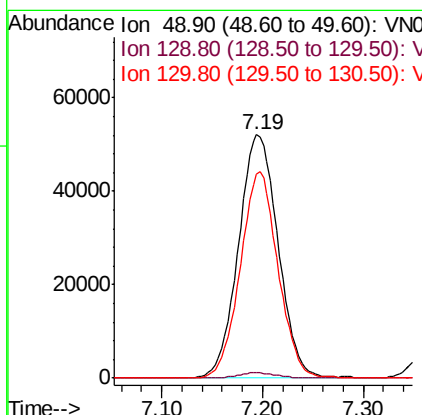
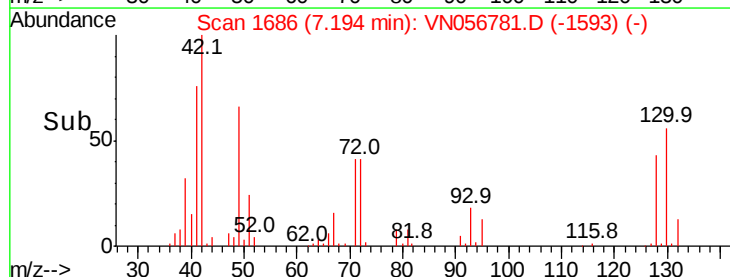
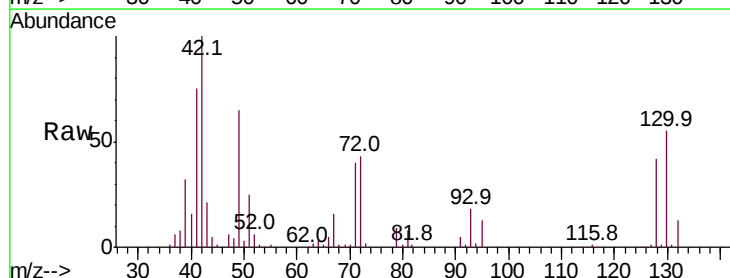
RT: 7.19 min Scan# 1686

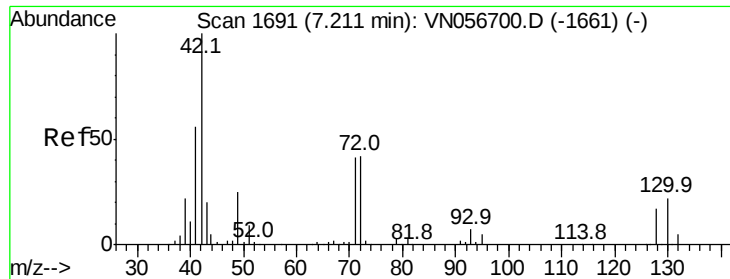
Delta R.T. 0.00 min

Lab File: VN056781.D

Acq: 16 Jul 2019 20:02

Tgt Ion:	49	Resp:	141886
Ion Ratio	Lower	Upper	
49	100		
129	2.0	0.0	4.0
130	80.8	64.7	97.1





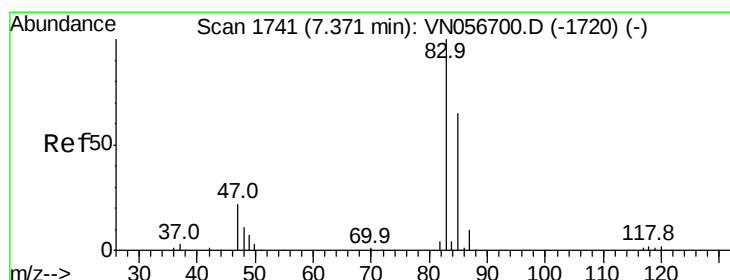
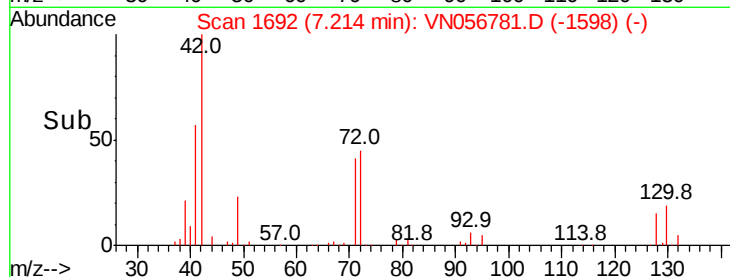
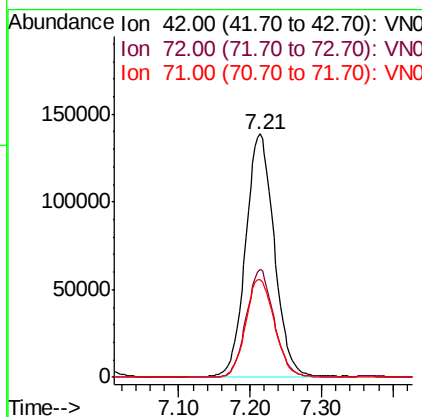
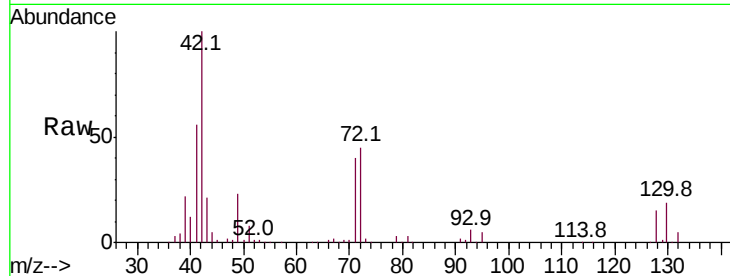
#29
Tetrahydrofuran
Concen: 252.026 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN056781.D
Acq: 16 Jul 2019 20:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.1	33.5	50.3
71	40.8	31.8	47.8

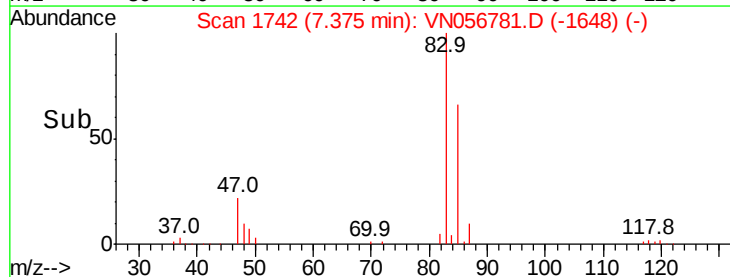
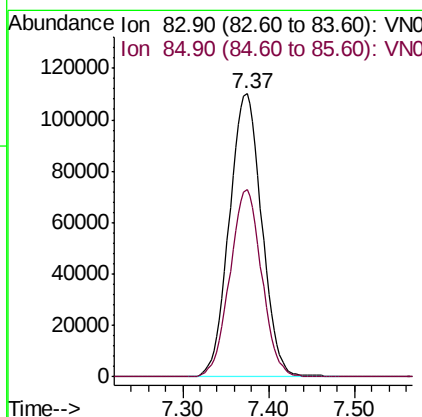
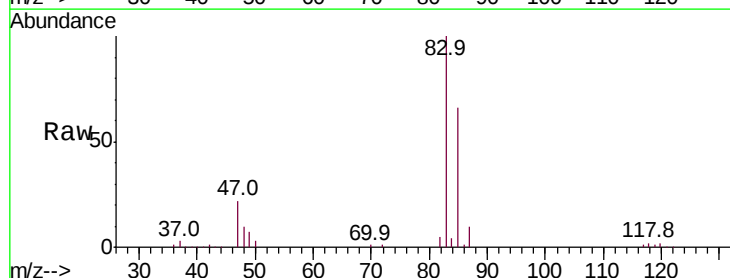
Manual Integrations
APPROVED

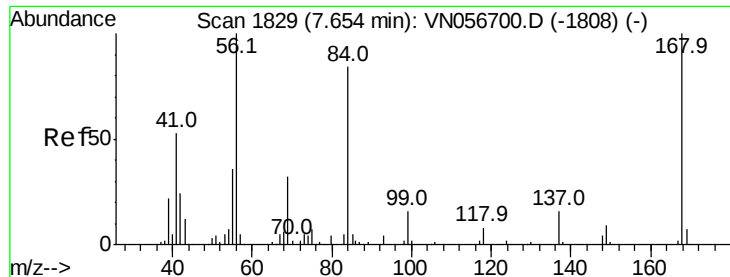
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#30
Chloroform
Concen: 49.077 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN056781.D
Acq: 16 Jul 2019 20:02

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.0	51.9	77.9





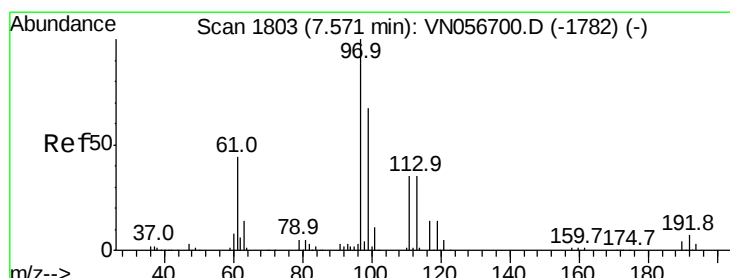
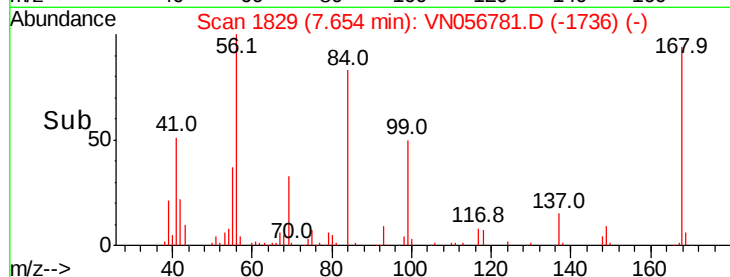
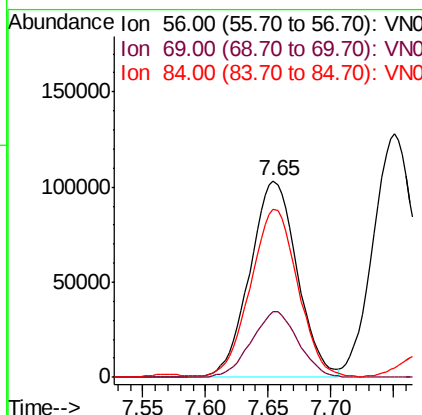
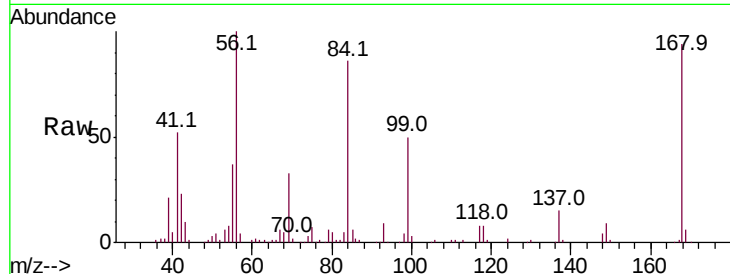
#31
Cyclohexane
Concen: 48.473 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN056781.D
Acq: 16 Jul 2019 20:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.4	25.8	38.8
84	84.8	67.4	101.0

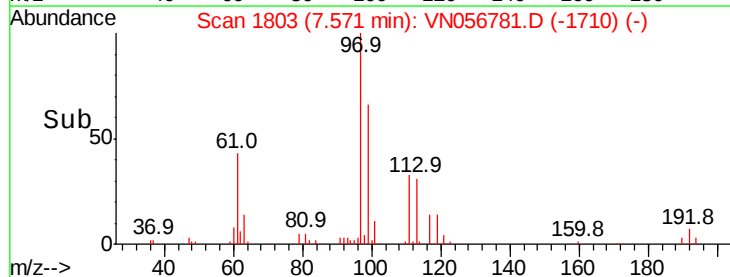
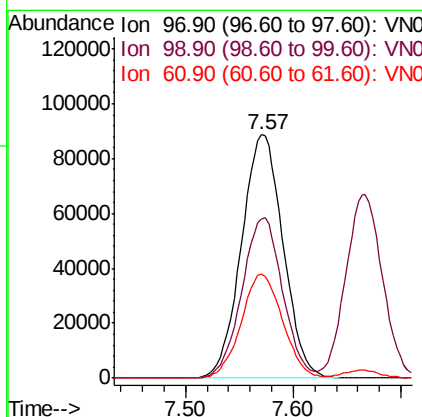
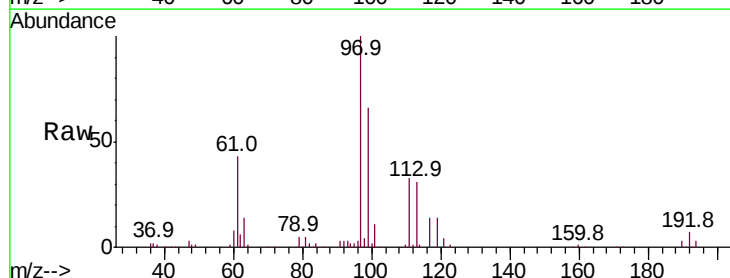
Manual Integrations
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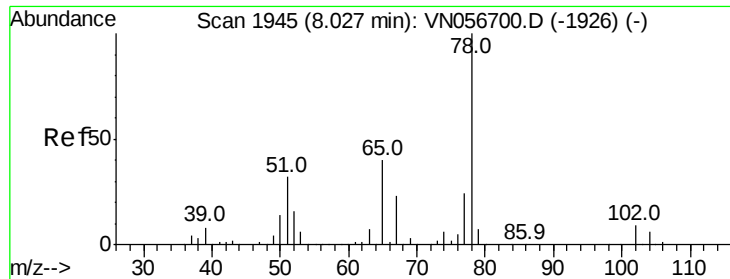
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#32
1,1,1-Trichloroethane
Concen: 51.105 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN056781.D
Acq: 16 Jul 2019 20:02

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	52.0	78.0
61	42.5	34.3	51.5





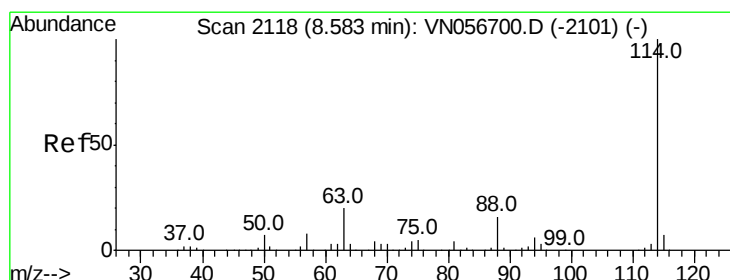
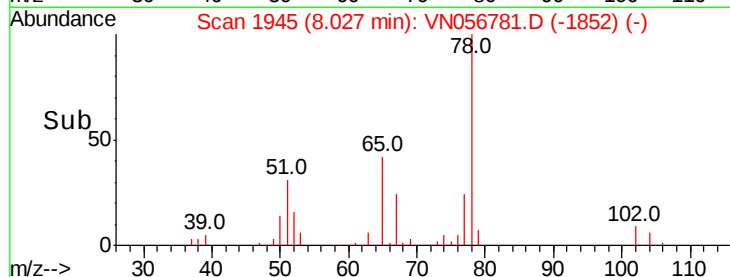
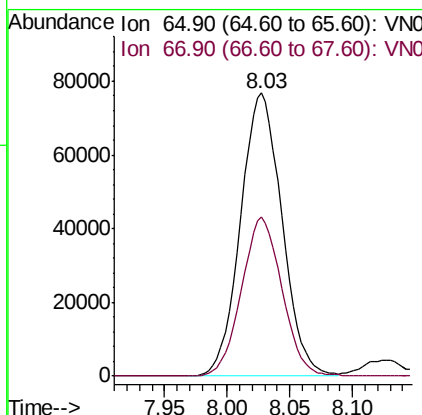
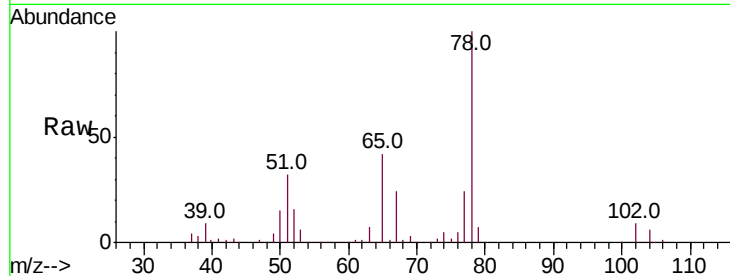
#33
 1,2-Dichloroethane-d4
 Concen: 50.452 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN056781.D
 Acq: 16 Jul 2019 20:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	55.1	0.0	109.0

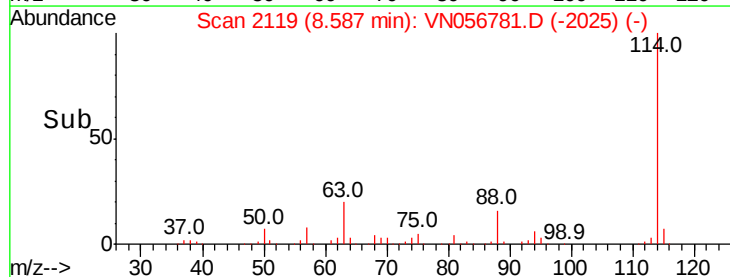
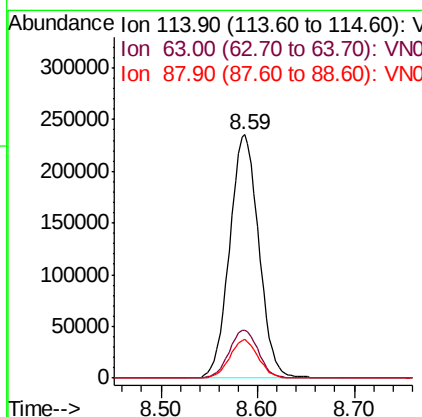
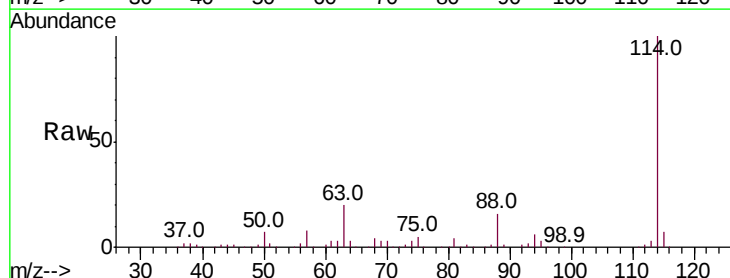
Manual Integrations
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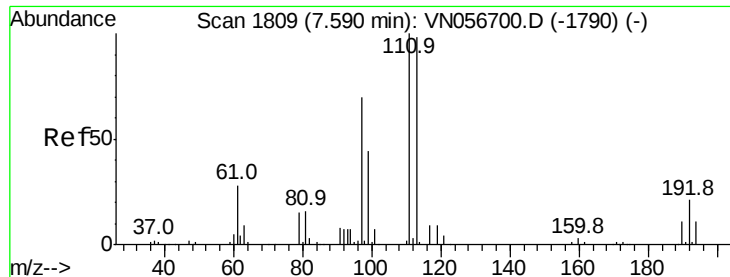
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 7/17/2019 4:57:37 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN056781.D
 Acq: 16 Jul 2019 20:02

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.7	0.0	39.4
88	15.7	0.0	31.2





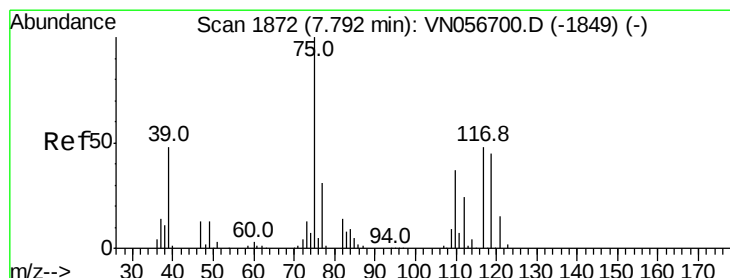
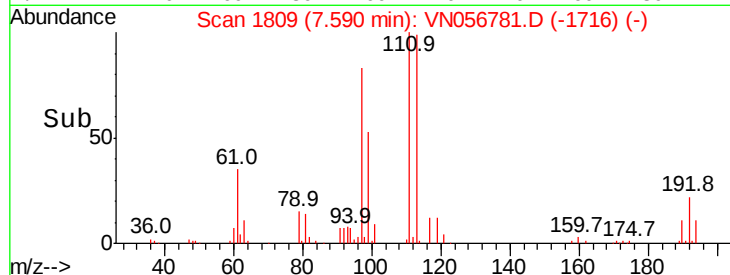
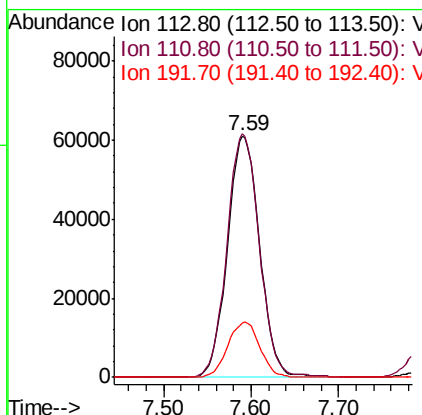
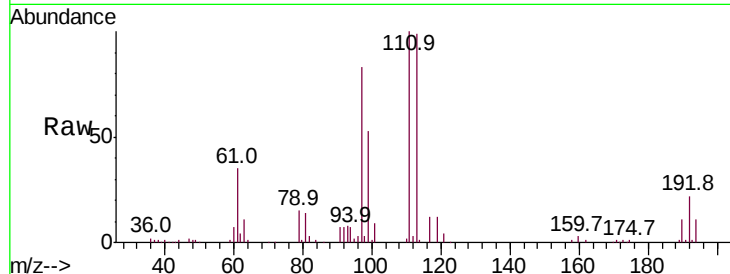
#35
 Dibromofluoromethane
 Concen: 50.689 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN056781.D
 Acq: 16 Jul 2019 20:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	155634		
111	101.4	81.8	122.6	
192	22.7	17.5	26.3	

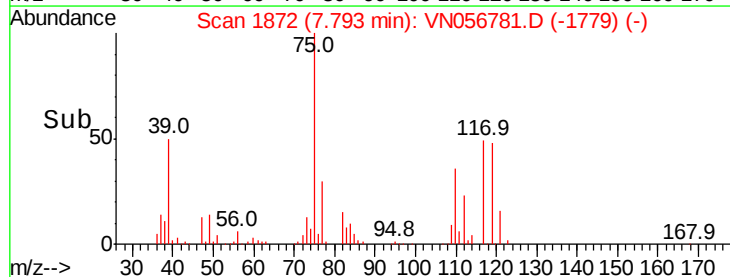
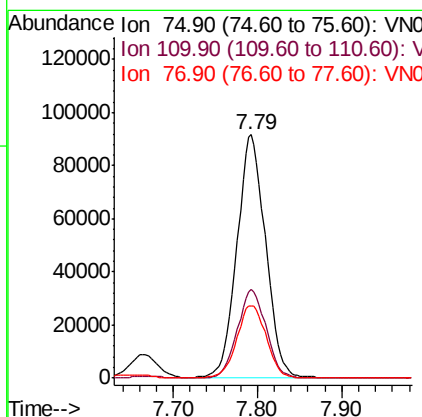
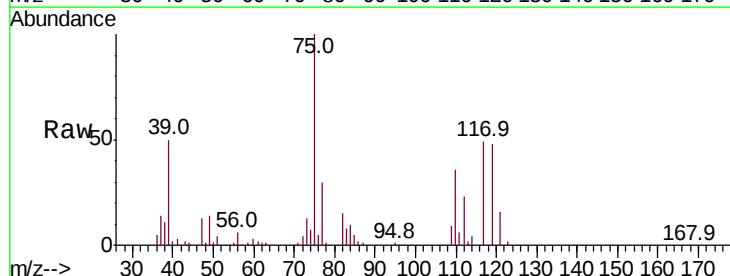
Manual Integrations
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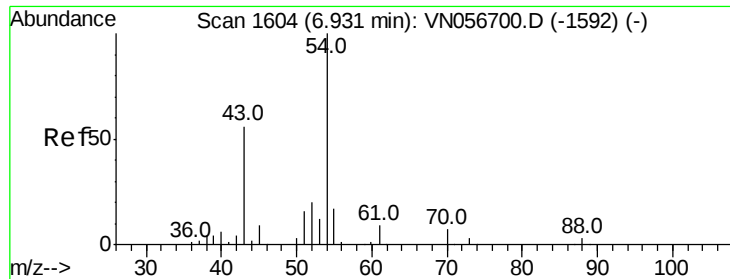
MMDadoda
 7/17/2019 4:57:37 PM



#36
 1,1-Dichloropropene
 Concen: 47.495 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN056781.D
 Acq: 16 Jul 2019 20:02

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	216839		
110	36.6	18.4	55.4	
77	30.9	24.6	36.8	





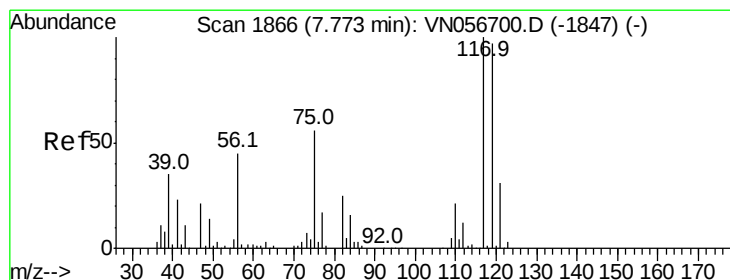
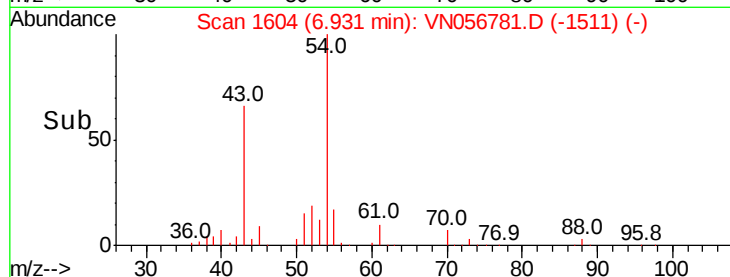
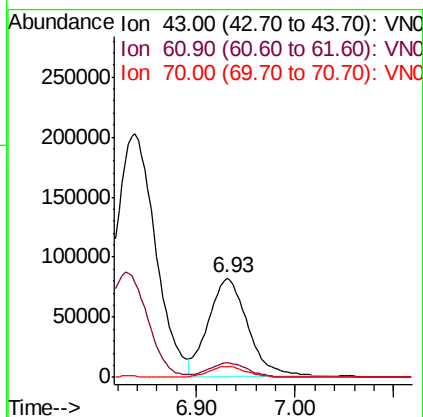
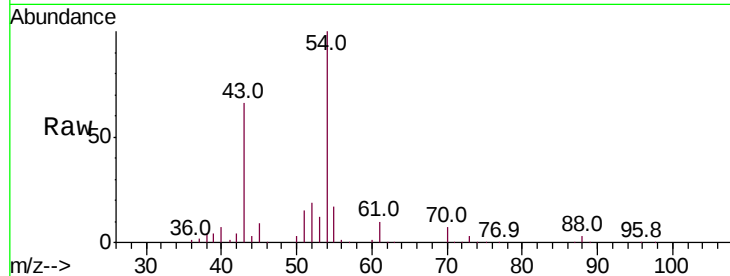
#37
Ethyl Acetate
Concen: 50.919 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN056781.D
Acq: 16 Jul 2019 20:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	229121
Ion Ratio	100	Lower	Upper
43	100		
61	14.9	11.3	16.9
70	10.7	8.5	12.7

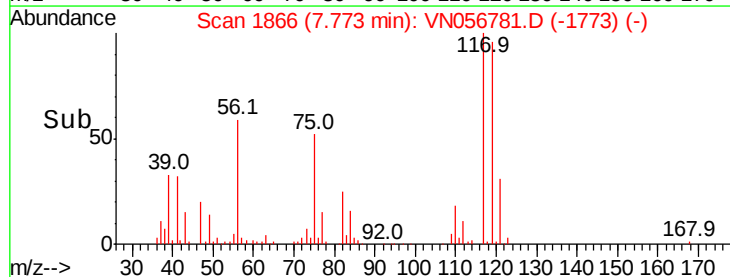
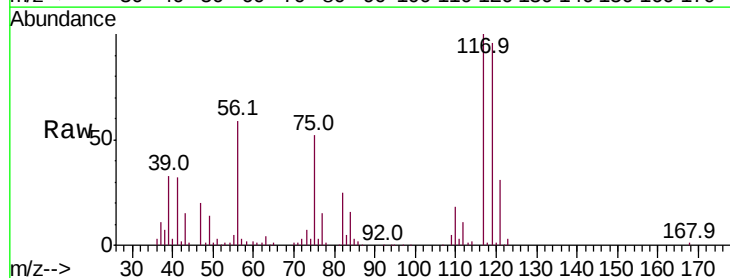
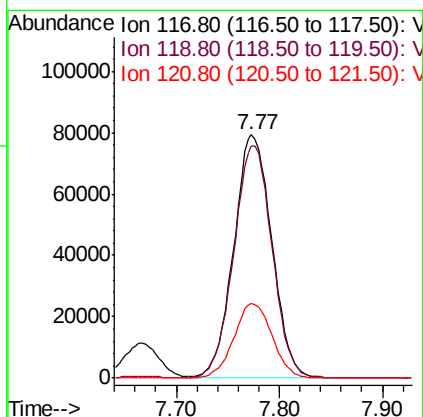
Manual Integrations
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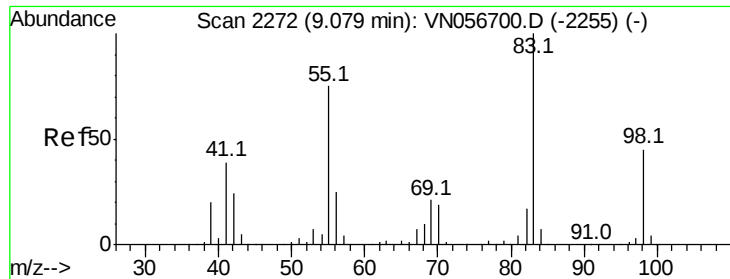
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#38
Carbon Tetrachloride
Concen: 47.387 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN056781.D
Acq: 16 Jul 2019 20:02

Tgt Ion	117	Resp	202886
Ion Ratio	100	Lower	Upper
117	100		
119	95.8	77.5	116.3
121	30.7	24.7	37.1





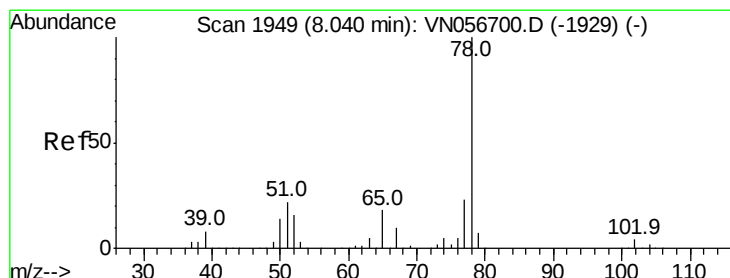
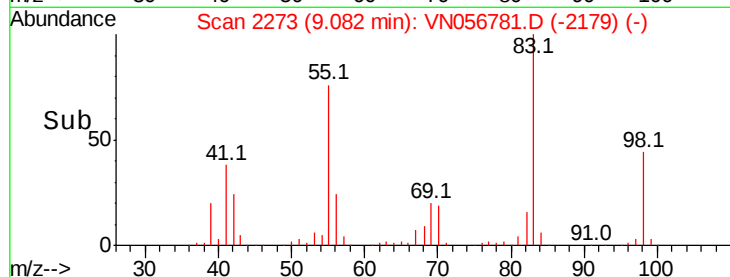
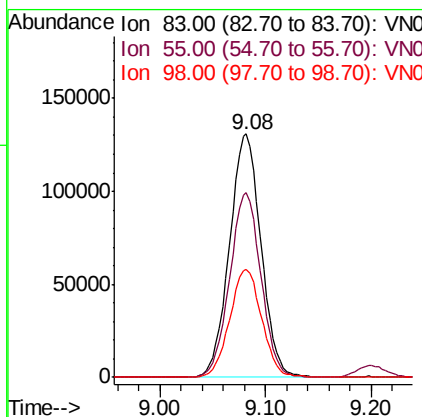
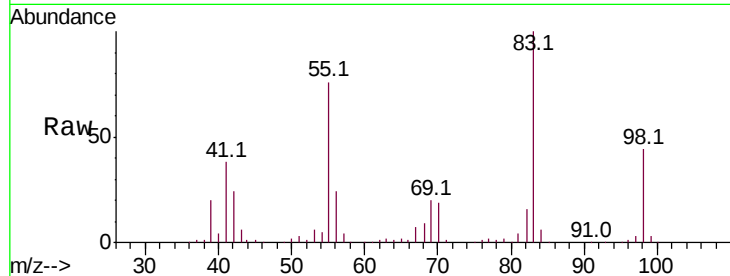
#39
Methvlcvclohexane
Concen: 48.027 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN056781.D
Acq: 16 Jul 2019 20:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.9	60.4	90.6
98	44.3	35.8	53.8

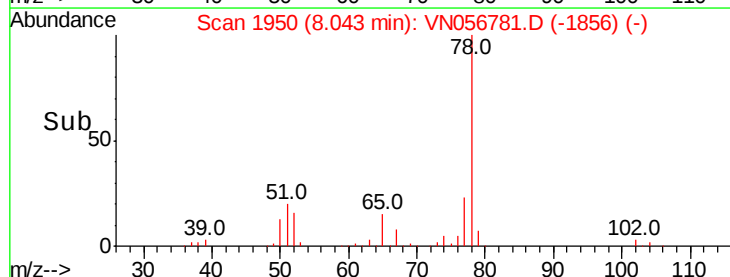
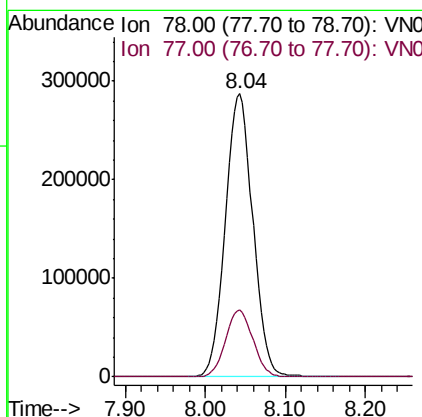
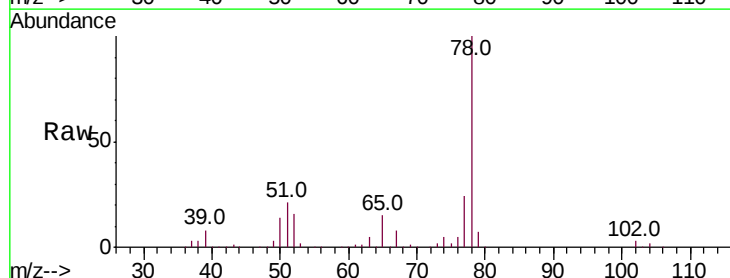
Manual Integrations
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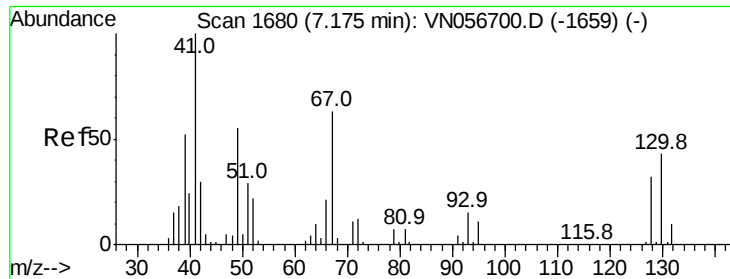
MMDadoda
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#40
Benzene
Concen: 48.173 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN056781.D
Acq: 16 Jul 2019 20:02

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.6	27.8





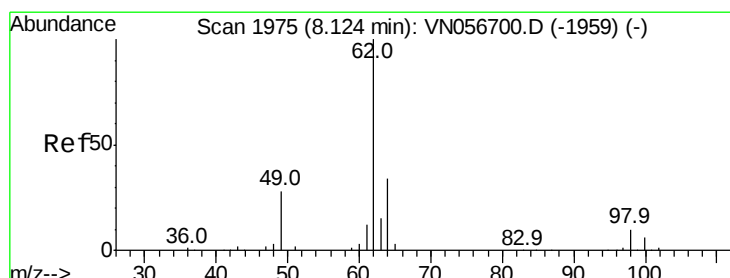
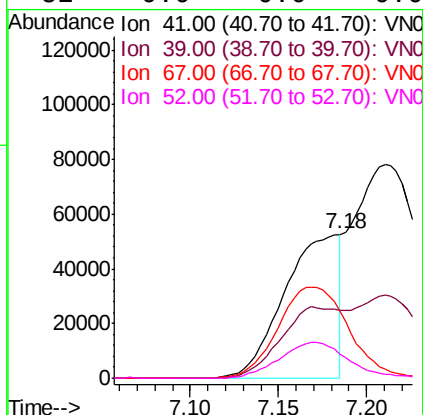
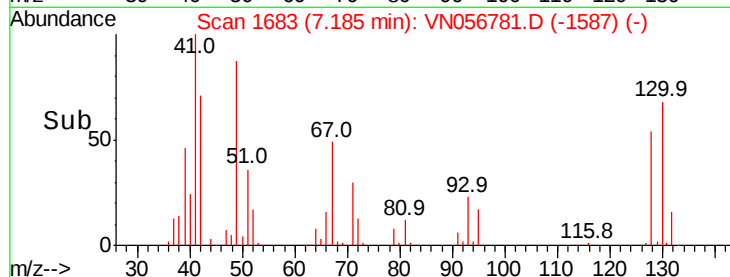
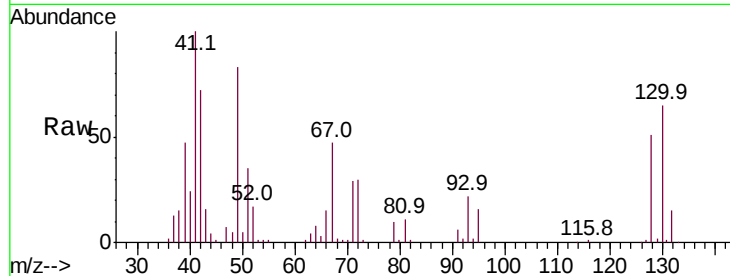
#41
Methacrylonitrile
Concen: 58.356 ug/l m
RT: 7.18 min Scan# 1683
Delta R.T. 0.01 min
Lab File: VN056781.D
Acq: 16 Jul 2019 20:02

Instrument :
MSVOA_N
ClientSampleID :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

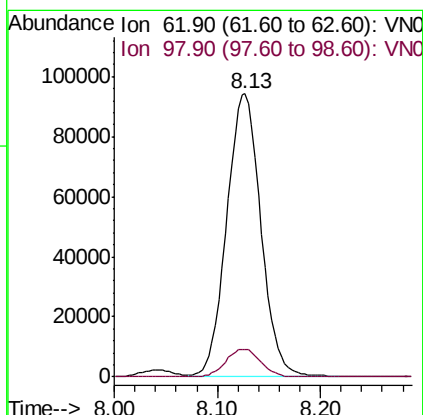
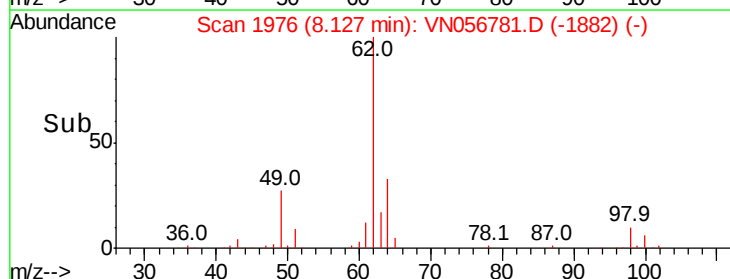
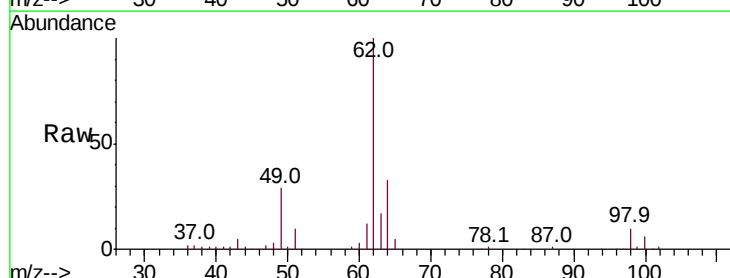
Manual Integrations
APPROVED

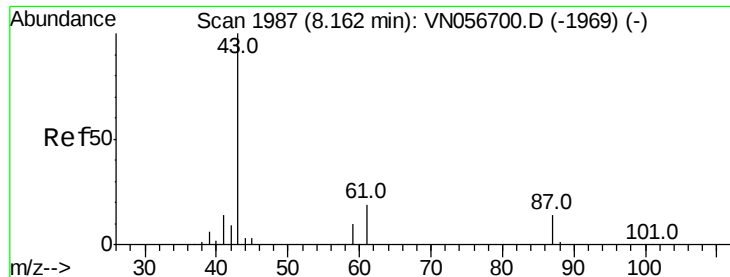
MMDadoda
7/17/2019 4:57:37 PM



#42
1,2-Dichloroethane
Concen: 49.048 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN056781.D
Acq: 16 Jul 2019 20:02

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	19.8





#43

Isopropyl Acetate

Concen: 52.555 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN056781.D

Acq: 16 Jul 2019 20:02

Instrument :

MSVOA_N

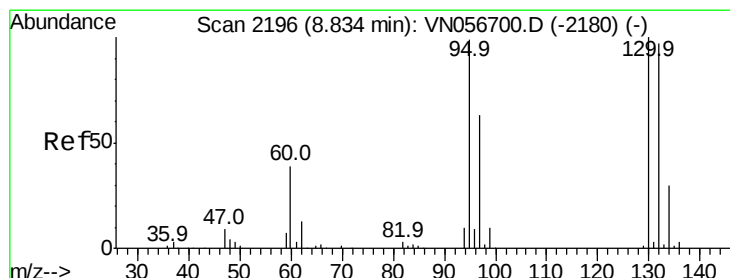
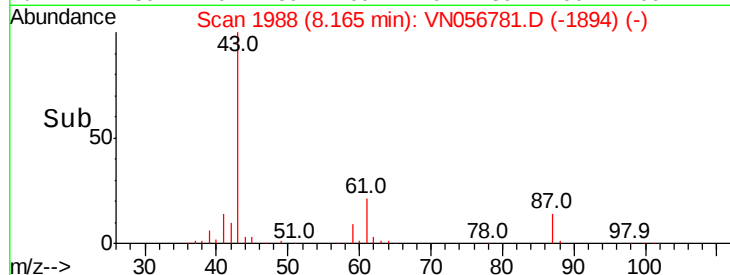
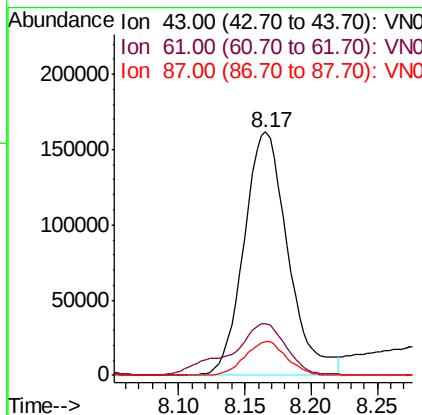
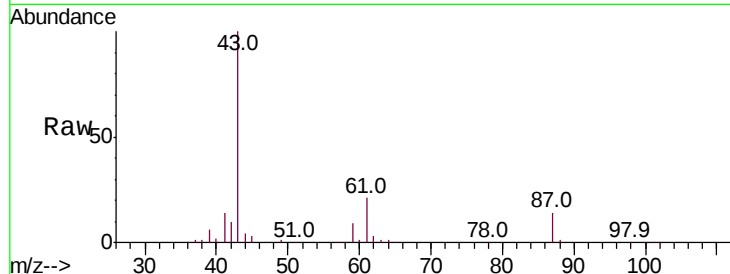
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	371769
Ion	Ratio	Lower	Upper
43	100		
61	26.8	22.3	33.5
87	13.2	11.1	16.7

Manual Integrations
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#44

Trichloroethene

Concen: 48.672 ug/l

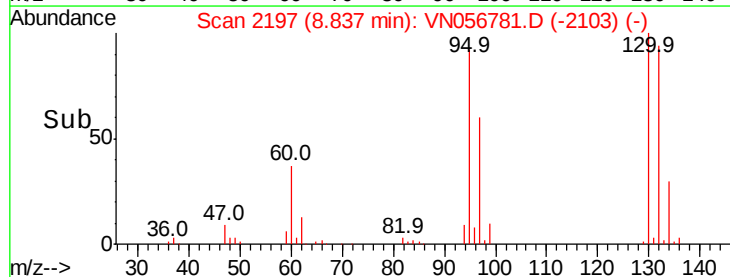
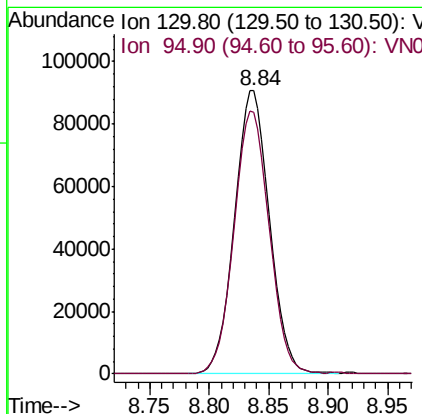
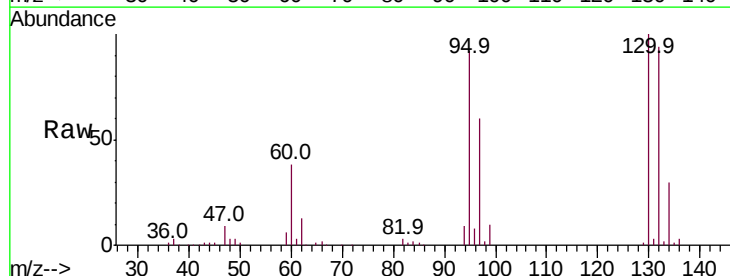
RT: 8.84 min Scan# 2197

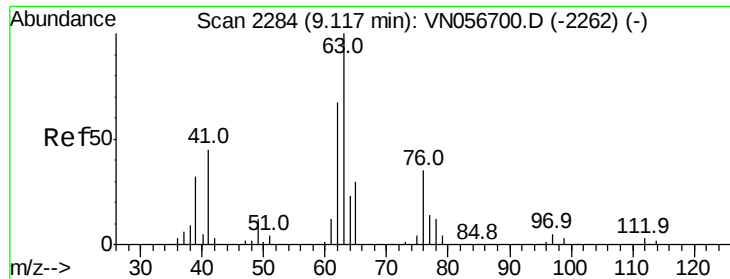
Delta R.T. 0.00 min

Lab File: VN056781.D

Acq: 16 Jul 2019 20:02

Tgt Ion:	130	Resp:	184891
Ion	Ratio	Lower	Upper
130	100		
95	92.4	0.0	197.2





#45

1,2-Dichloropropane

Concen: 48.613 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN056781.D

Acq: 16 Jul 2019 20:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 180698

Ion Ratio Lower Upper

63 100

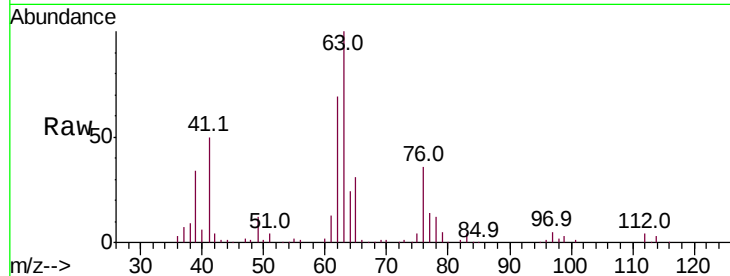
65 31.4 24.0 36.0

Manual Integrations

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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

9.12

80000

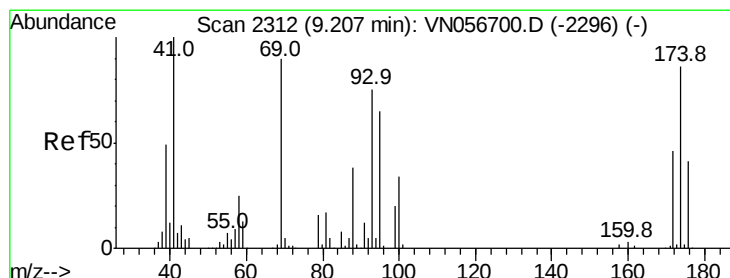
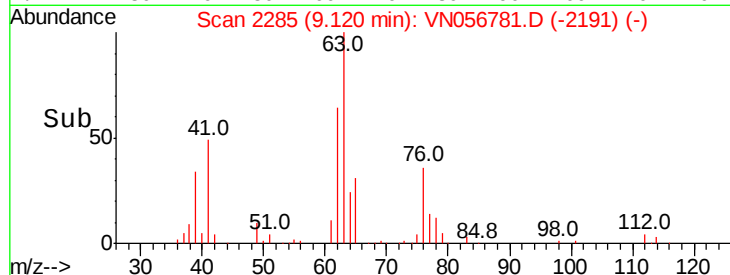
60000

40000

20000

0

Time-->



#46

Dibromomethane

Concen: 50.743 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN056781.D

Acq: 16 Jul 2019 20:02

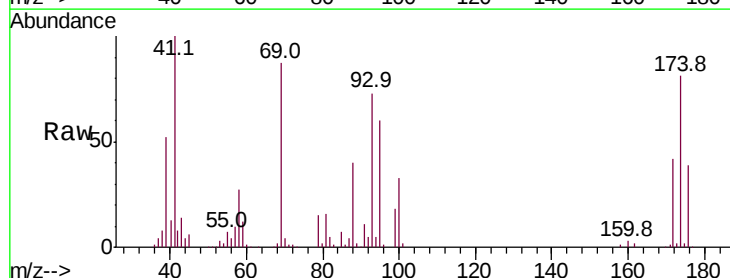
Tgt Ion: 93 Resp: 116886

Ion Ratio Lower Upper

93 100

95 82.3 67.4 101.0

174 111.6 90.3 135.5



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

80000

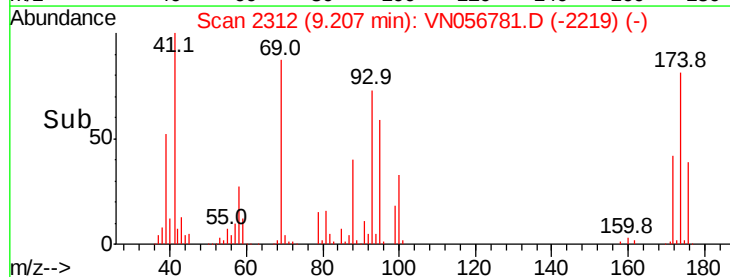
60000

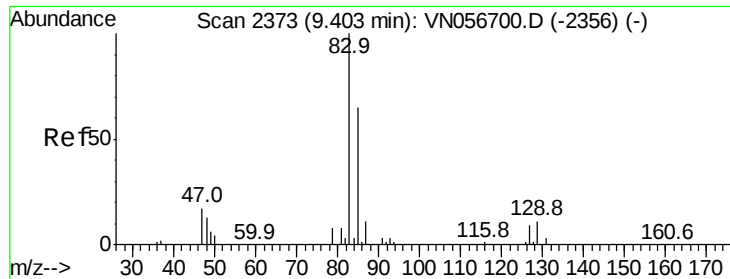
40000

20000

0

Time-->





#47

Bromodichloromethane

Concen: 50.470 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN056781.D

Acq: 16 Jul 2019 20:02

Instrument :

MSVOA_N

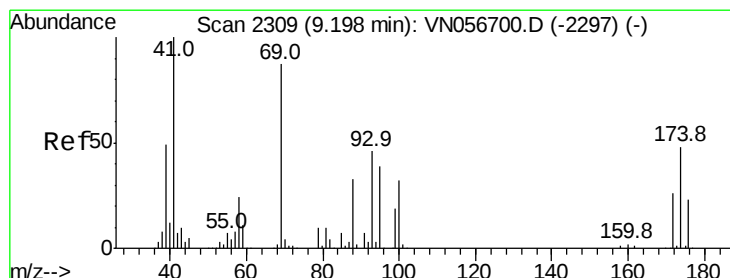
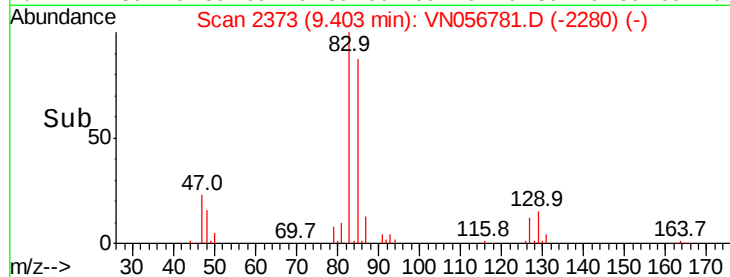
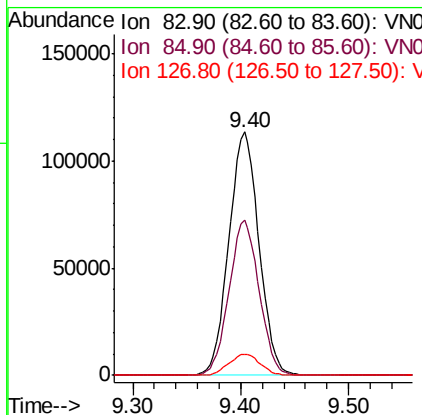
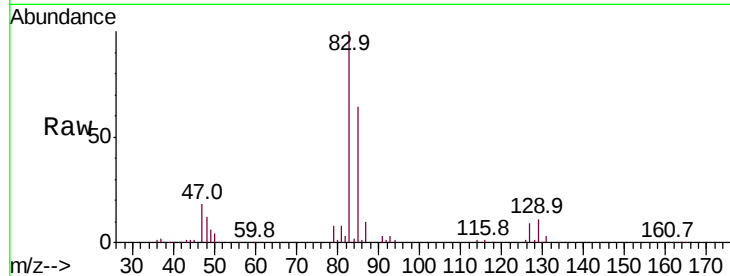
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	220921
Ion Ratio	Lower	Upper	
83	100		
85	64.0	52.3	78.5
127	8.8	7.6	11.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 51.129 ug/l

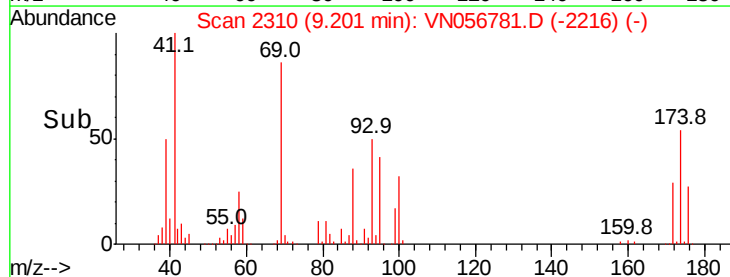
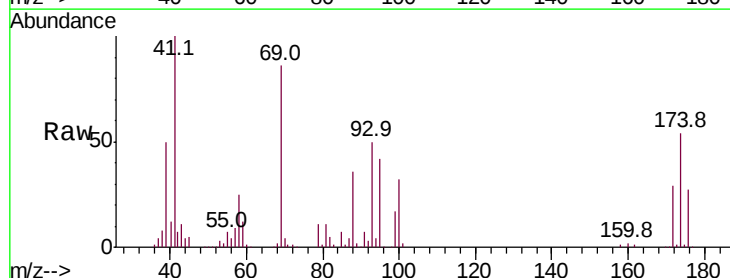
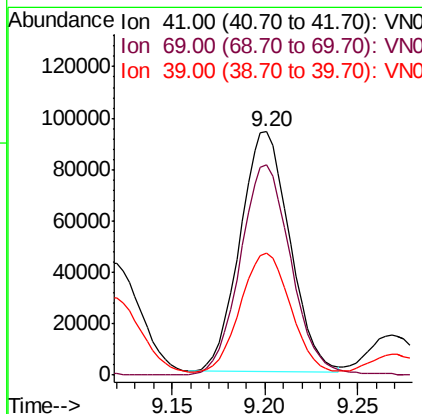
RT: 9.20 min Scan# 2310

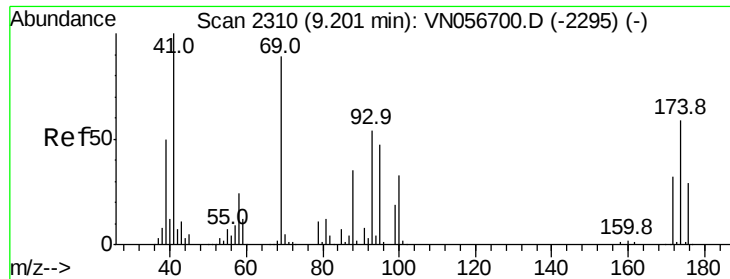
Delta R.T. 0.00 min

Lab File: VN056781.D

Acq: 16 Jul 2019 20:02

Tgt Ion:	41	Resp:	174915
Ion Ratio	Lower	Upper	
41	100		
69	89.2	71.4	107.0
39	52.2	41.2	61.8





#49

1,4-Dioxane

Concen: 1055.257 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN056781.D

Acq: 16 Jul 2019 20:02

Instrument :

MSVOA_N

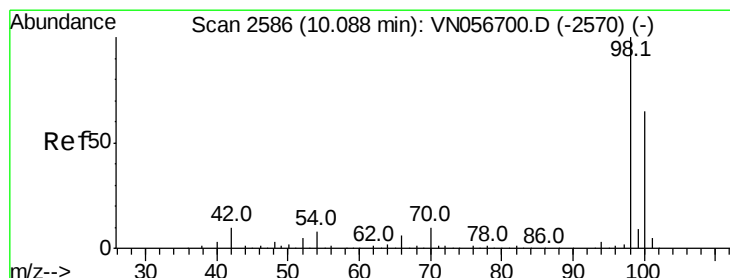
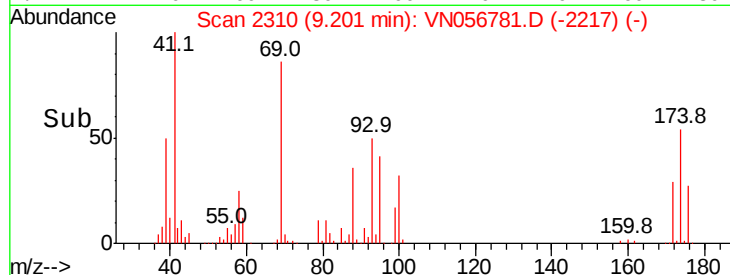
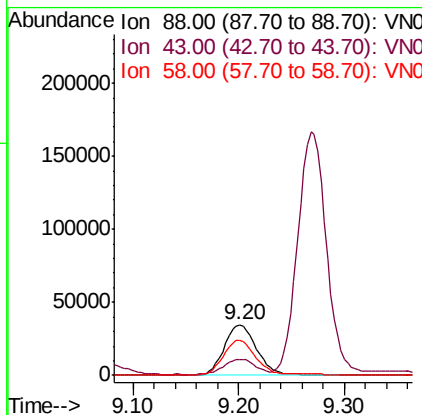
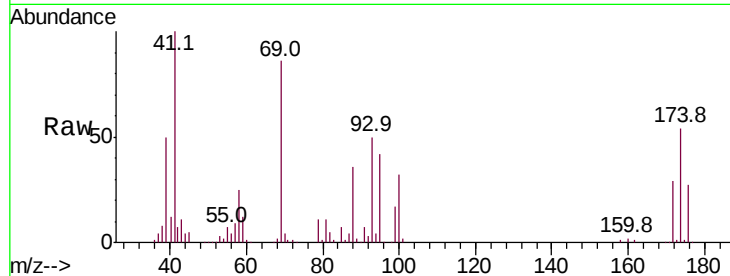
ClientSampleId :

VSTDCCC050EC

Tot Ion:	88	Resp:	74075
Ion	Ratio	Lower	Upper
88	100		
43	29.2	23.7	35.5
58	68.5	55.6	83.4

Manual Integrations
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#50

Toluene-d8

Concen: 50.116 ug/l

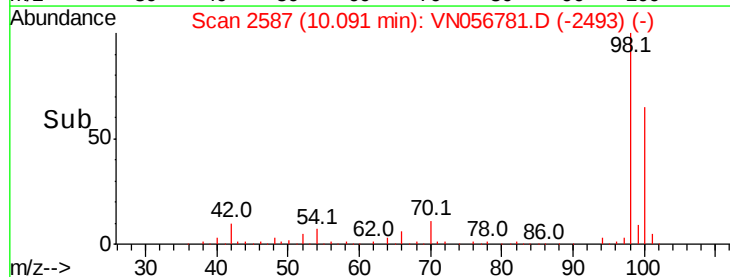
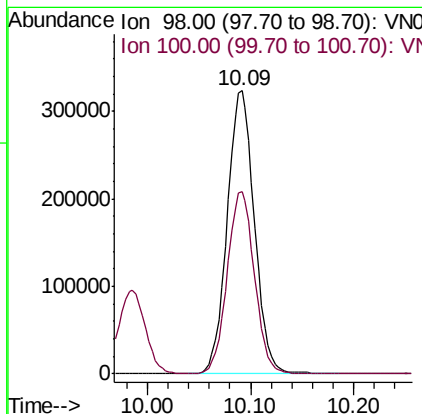
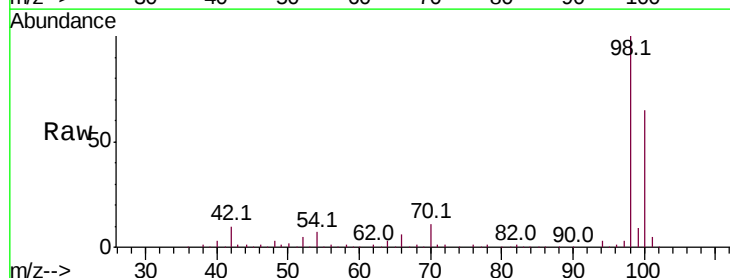
RT: 10.09 min Scan# 2587

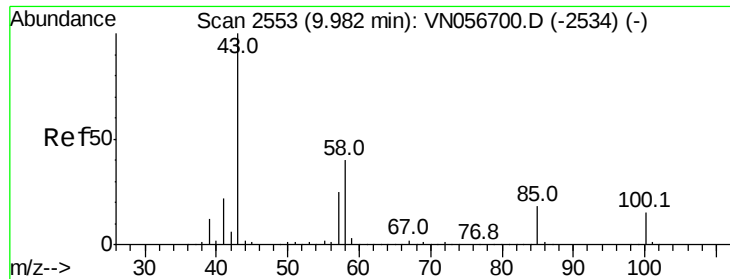
Delta R.T. 0.00 min

Lab File: VN056781.D

Acq: 16 Jul 2019 20:02

Tgt Ion:	98	Resp:	594298
Ion	Ratio	Lower	Upper
98	100		
100	64.7	52.0	78.0





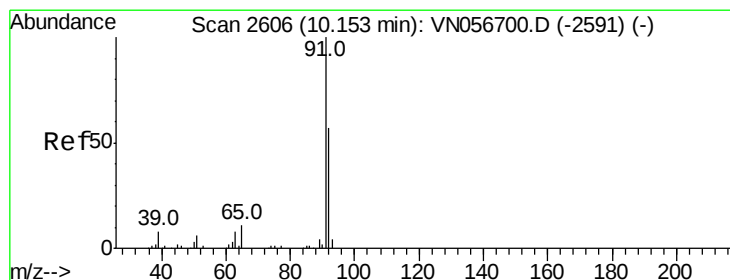
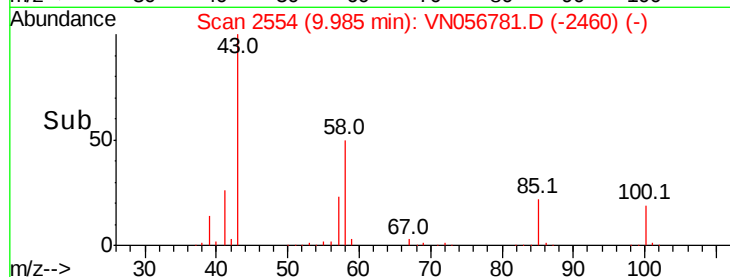
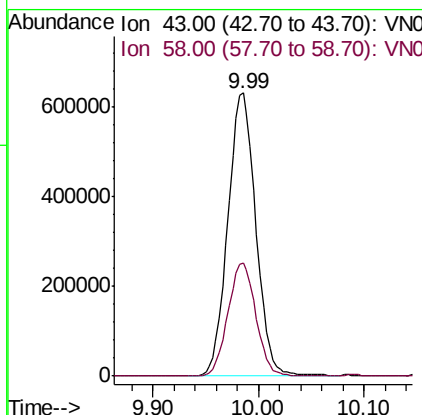
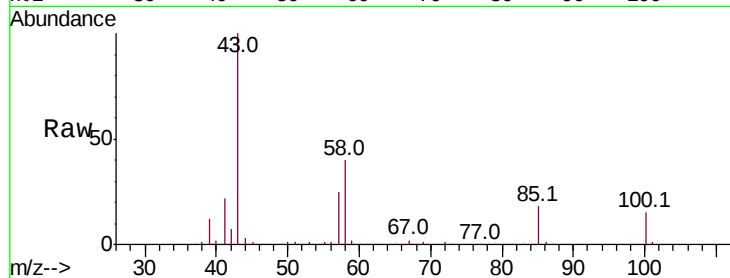
#51
4-Methyl-2-Pentanone
Concen: 252.198 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN056781.D
Acq: 16 Jul 2019 20:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1155490
Ion Ratio Lower Upper
43 100
58 40.1 32.0 48.0

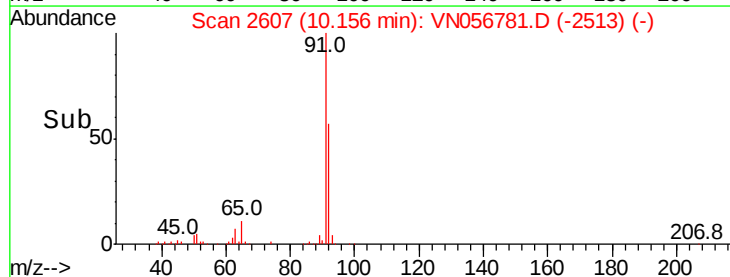
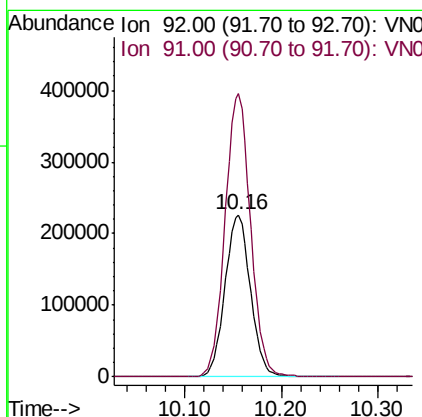
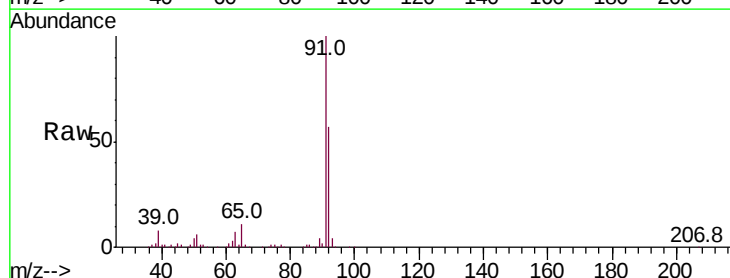
Manual Integrations
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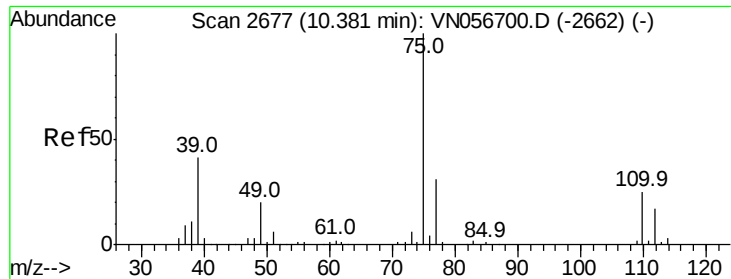
MMDadoda
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#52
Toluene
Concen: 49.964 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN056781.D
Acq: 16 Jul 2019 20:02

Tgt Ion: 92 Resp: 415089
Ion Ratio Lower Upper
92 100
91 174.2 139.9 209.9





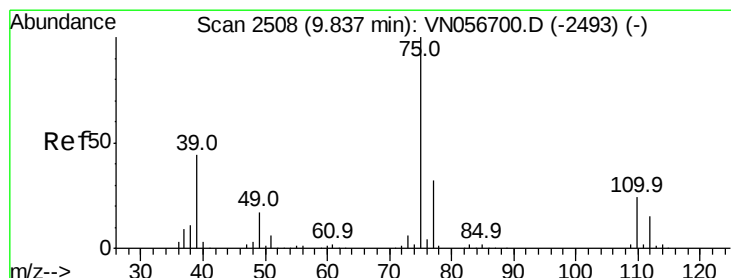
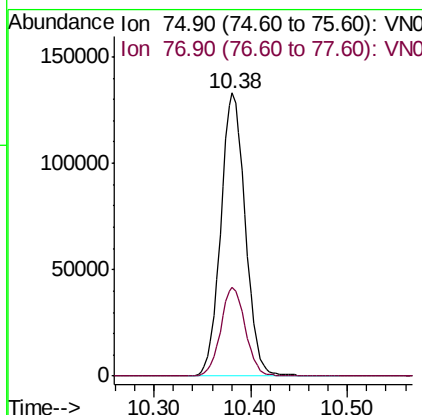
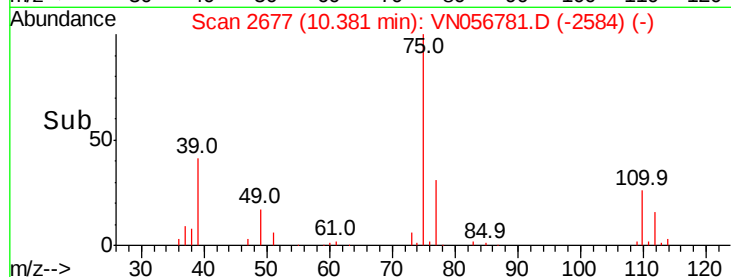
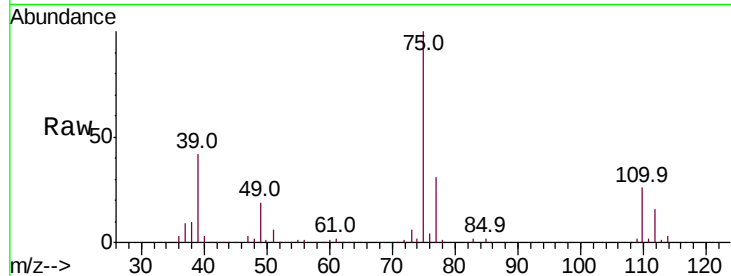
#53
t-1,3-Dichloropropene
Concen: 51.317 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN056781.D
Acq: 16 Jul 2019 20:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 234355
Ion Ratio Lower Upper
75 100
77 31.3 25.0 37.6

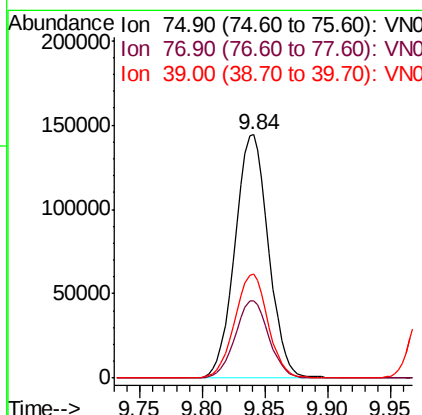
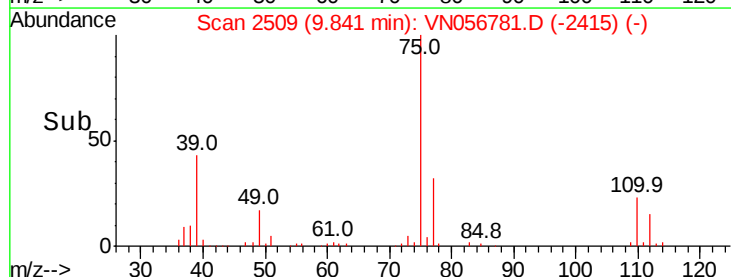
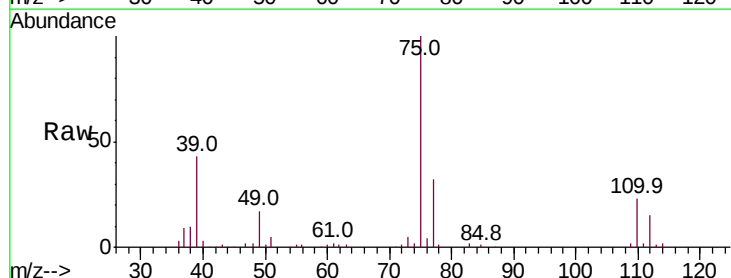
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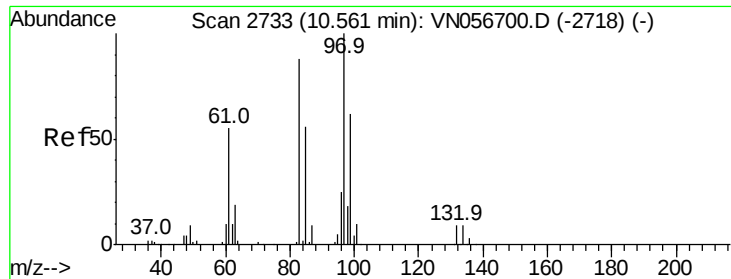
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 50.532 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN056781.D
Acq: 16 Jul 2019 20:02

Tgt Ion: 75 Resp: 267793
Ion Ratio Lower Upper
75 100
77 31.7 26.0 39.0
39 42.5 35.1 52.7





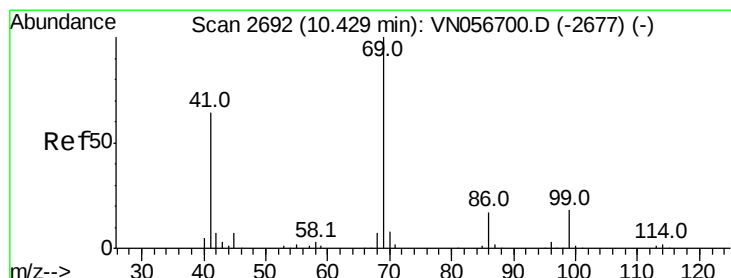
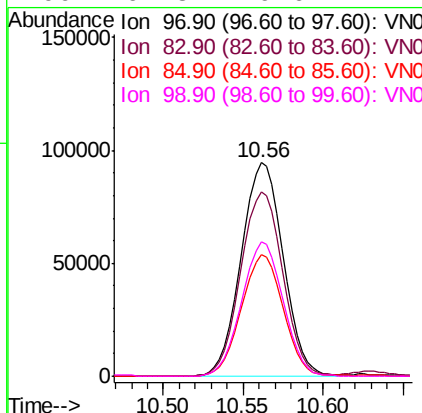
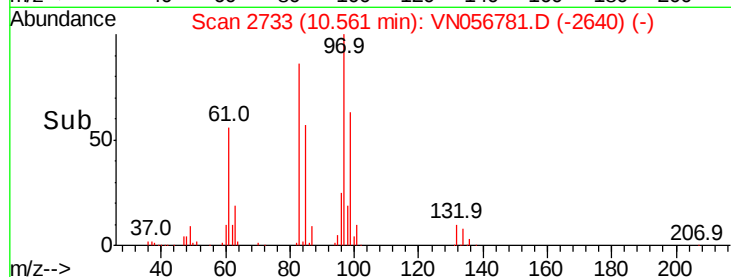
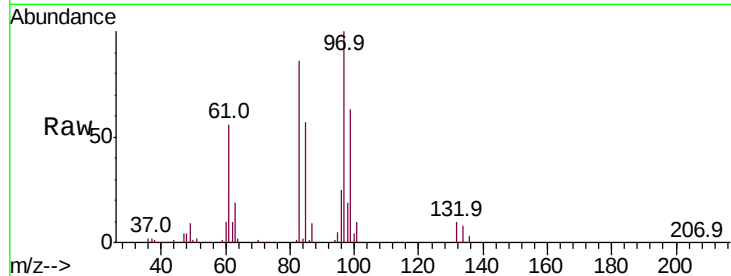
#55
 1,1,2-Trichloroethane
 Concen: 48.814 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN056781.D
 Acq: 16 Jul 2019 20:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
97	100		
83	86.3	70.3	105.5
85	56.8	44.8	67.2
99	62.8	49.6	74.4

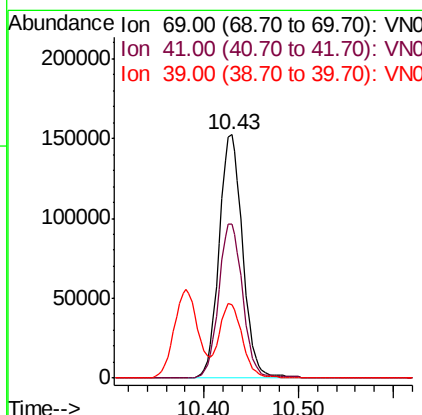
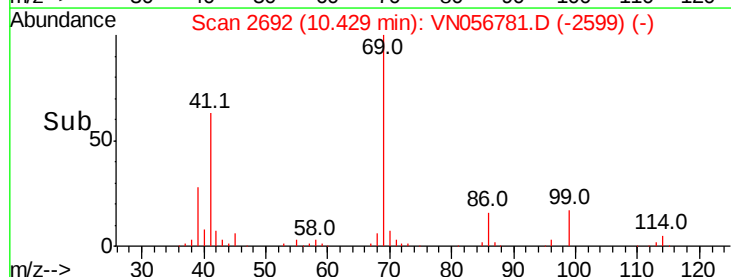
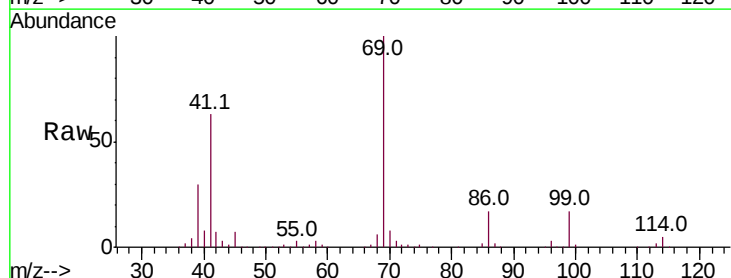
Manual Integrations
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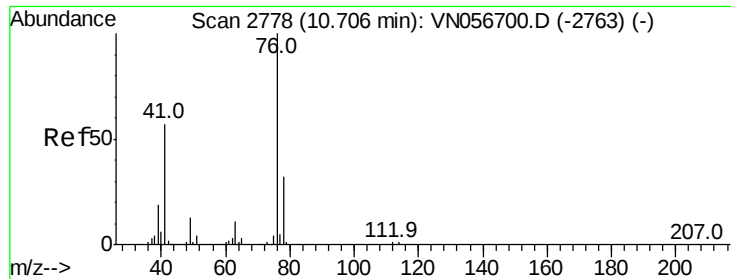
MMDadoda
 7/17/2019 4:57:37 PM



#56
 Ethyl methacrylate
 Concen: 52.511 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN056781.D
 Acq: 16 Jul 2019 20:02

Tgt Ion	Ratio	Lower	Upper
69	100		
41	63.8	51.0	76.4
39	29.7	24.6	36.8





#57

1,3-Dichloropropane

Concen: 49.716 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN056781.D

Acq: 16 Jul 2019 20:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 282936

Ion Ratio Lower Upper

76 100

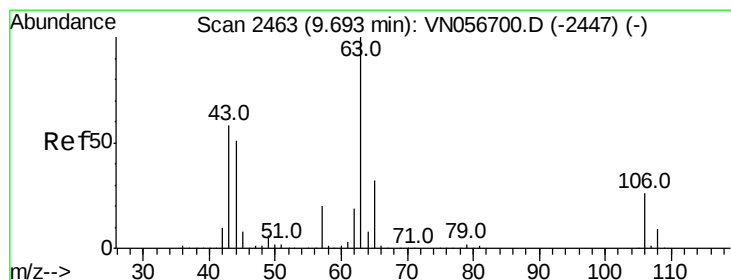
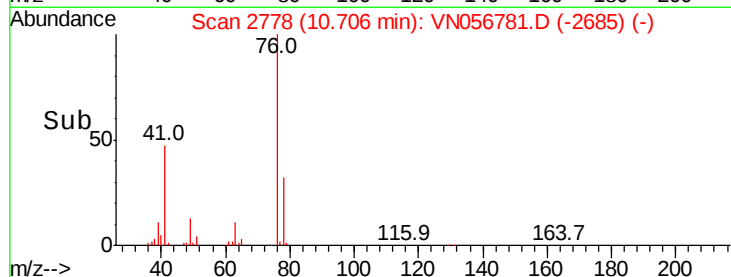
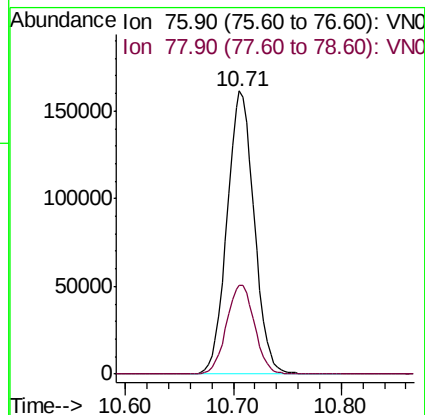
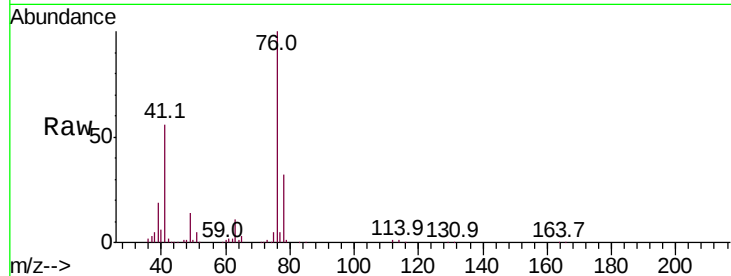
78 32.5 26.0 39.0

Manual Integrations

APPROVED

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7/17/2019 4:57:37 PM



#58

2-Chloroethyl Vinyl ether

Concen: 253.066 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN056781.D

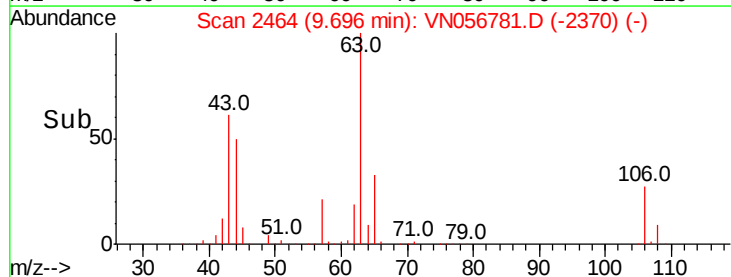
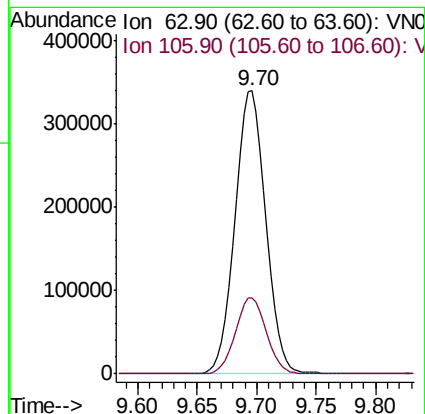
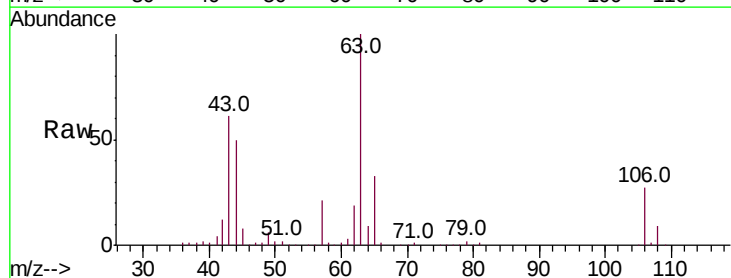
Acq: 16 Jul 2019 20:02

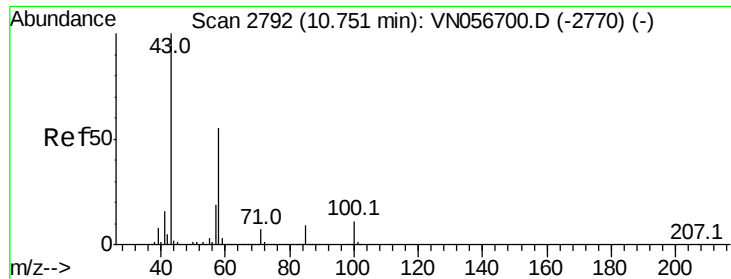
Tgt Ion: 63 Resp: 610133

Ion Ratio Lower Upper

63 100

106 26.9 21.2 31.8





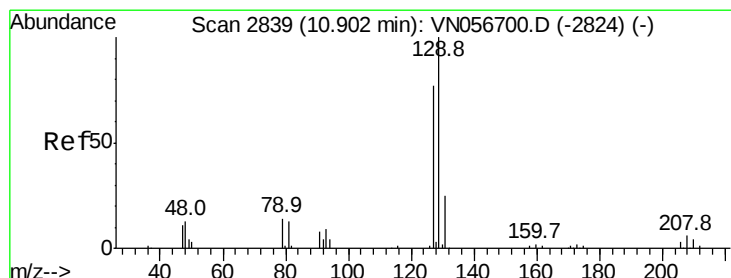
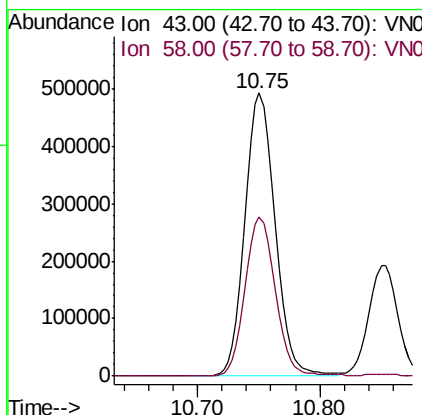
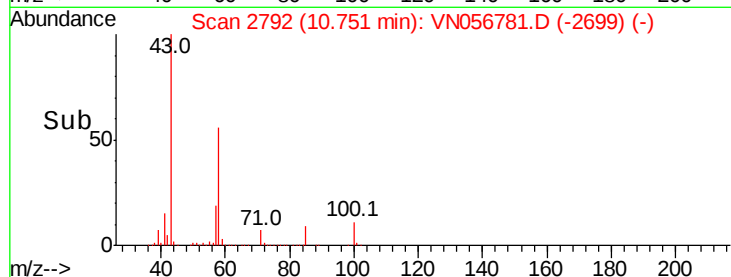
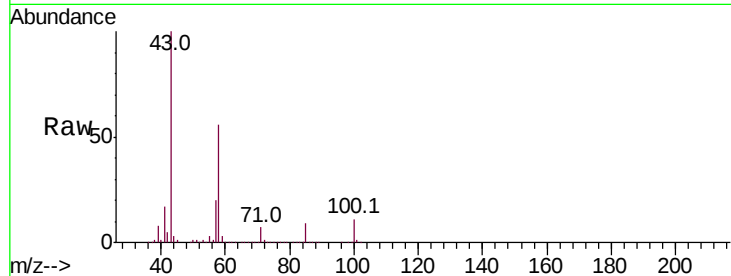
#59
2-Hexanone
Concen: 254.576 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN056781.D
Acq: 16 Jul 2019 20:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 836923
Ion Ratio Lower Upper
43 100
58 56.4 27.9 83.6

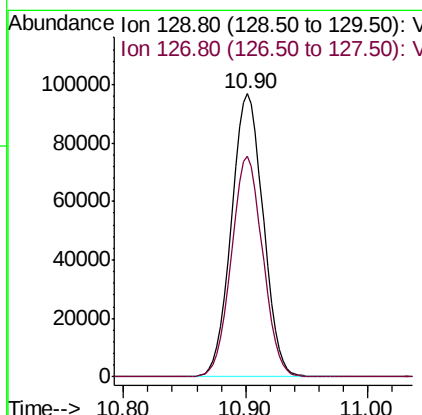
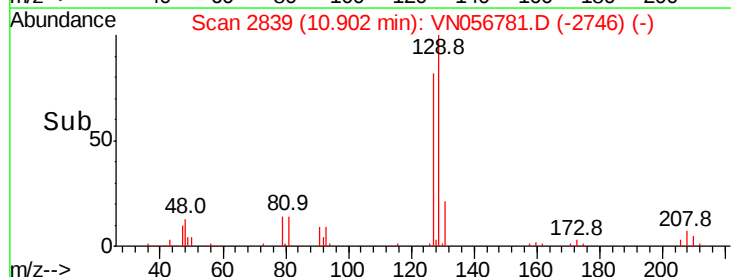
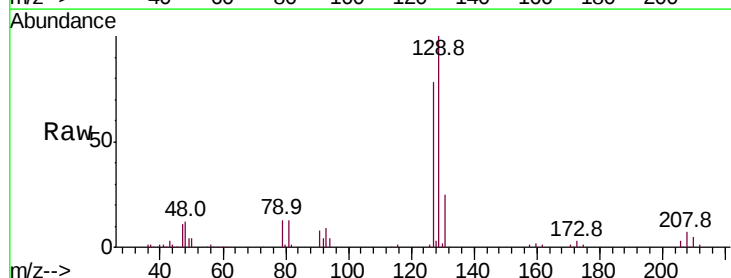
Manual Integrations
APPROVED

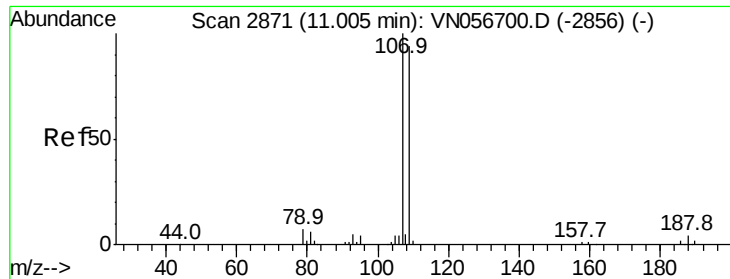
MMDadoda
7/17/2019 4:57:37 PM



#60
Dibromochloromethane
Concen: 51.234 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN056781.D
Acq: 16 Jul 2019 20:02

Tgt Ion: 129 Resp: 175577
Ion Ratio Lower Upper
129 100
127 77.0 38.2 114.6





#61

1,2-Dibromoethane

Concen: 51.419 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN056781.D

Acq: 16 Jul 2019 20:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:107 Resp: 178062

Ion Ratio Lower Upper

107 100

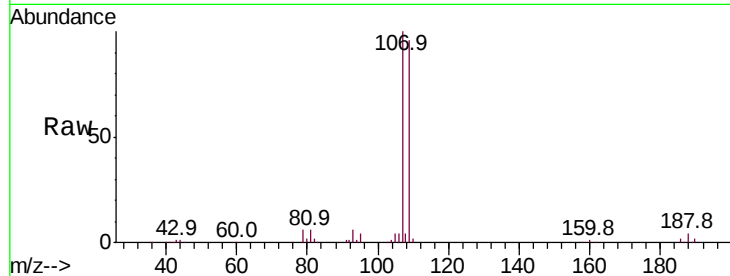
109 93.9 76.2 114.4

Manual Integrations

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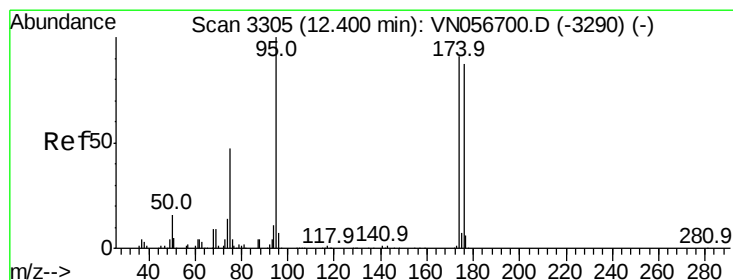
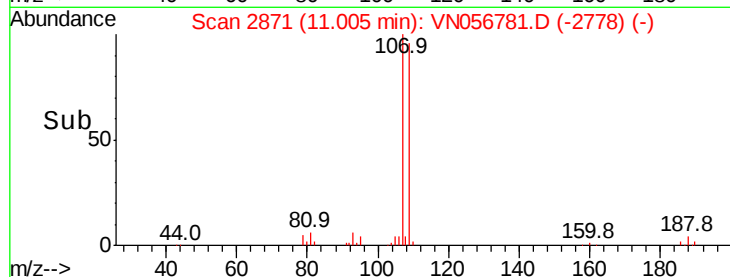
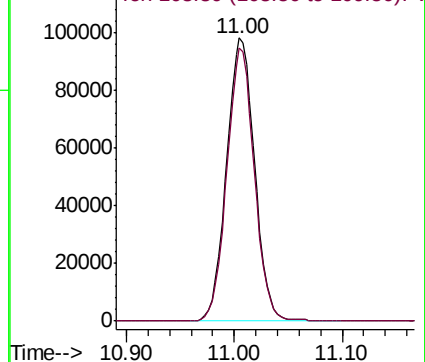
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 50.768 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN056781.D

Acq: 16 Jul 2019 20:02

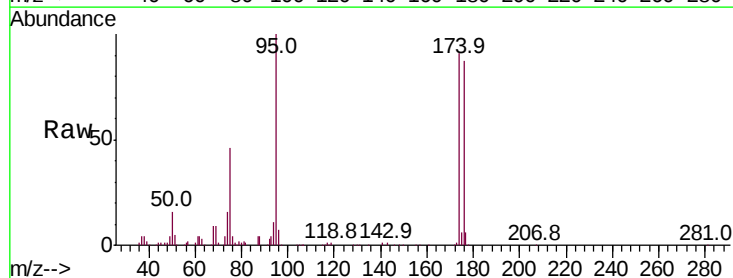
Tgt Ion: 95 Resp: 203026

Ion Ratio Lower Upper

95 100

174 91.5 0.0 180.0

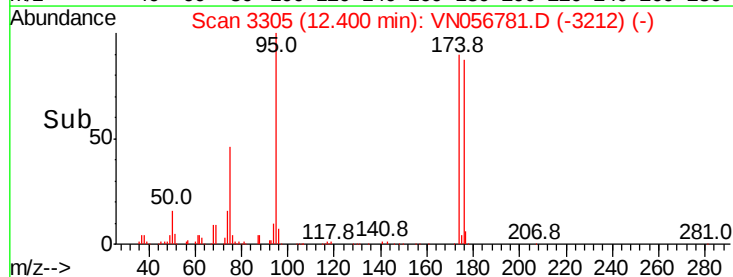
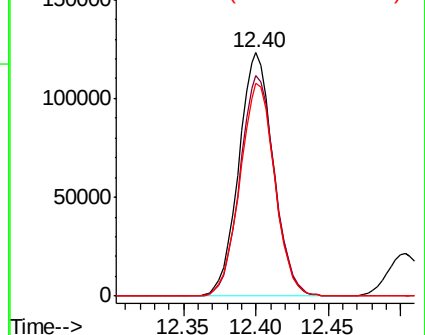
176 88.2 0.0 173.2

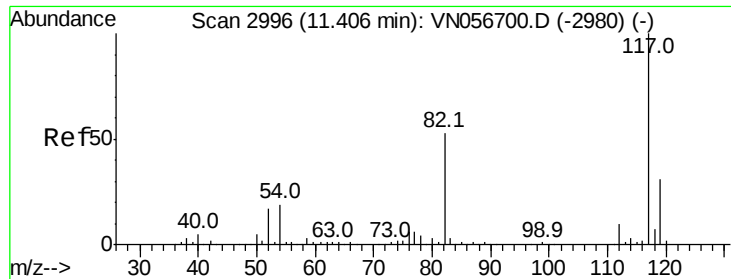


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





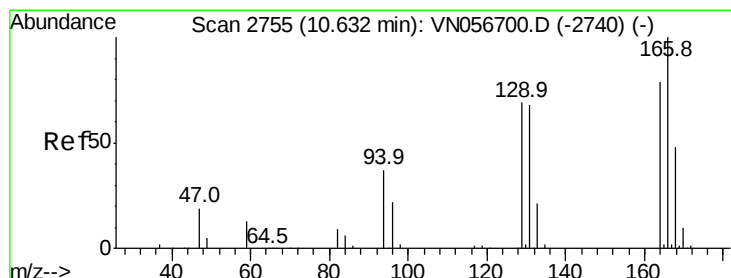
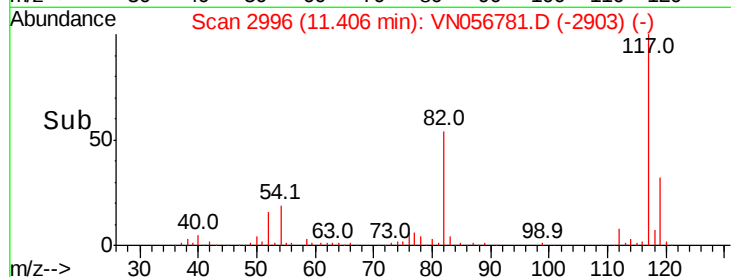
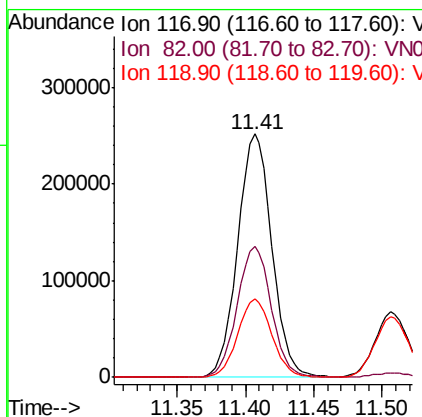
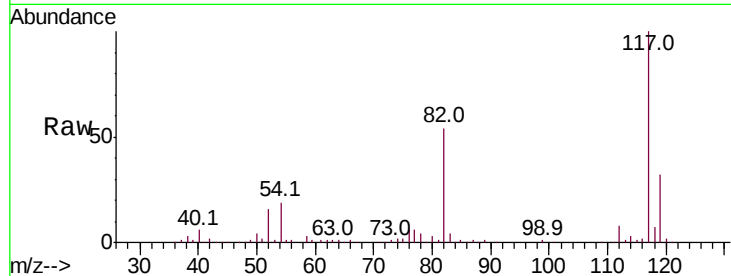
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056781.D
Acq: 16 Jul 2019 20:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.6	42.2	63.2
119	32.1	25.2	37.8

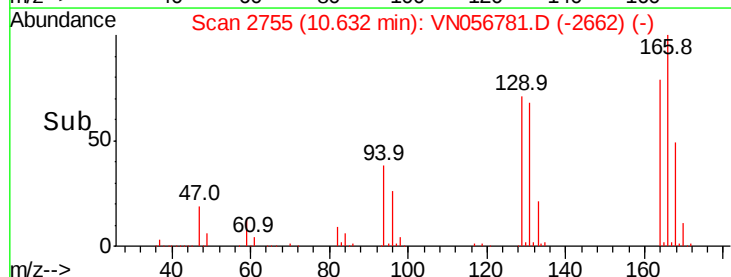
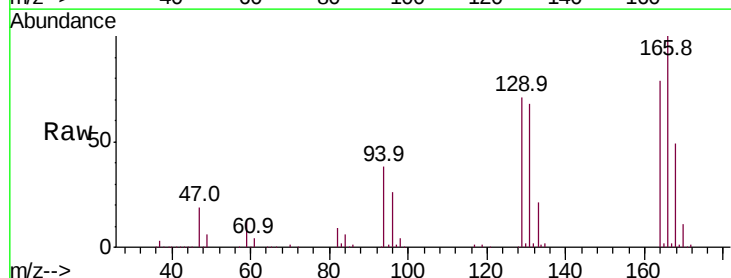
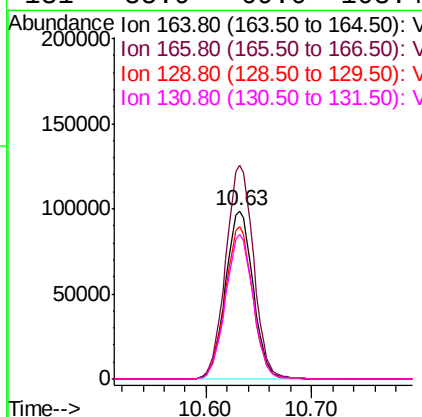
Manual Integrations
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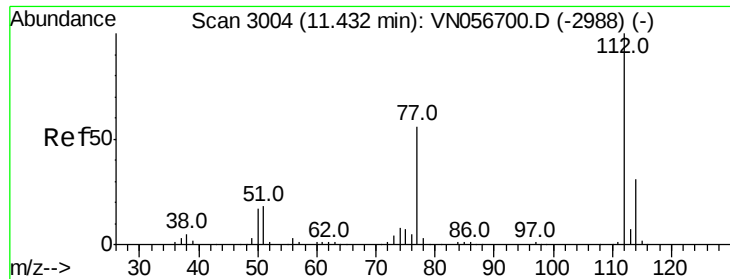
MMDadoda
7/17/2019 4:57:37 PM



#64
Tetrachloroethene
Concen: 47.423 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN056781.D
Acq: 16 Jul 2019 20:02

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.0	101.4	152.2
129	90.5	69.6	104.4
131	85.9	69.0	103.4





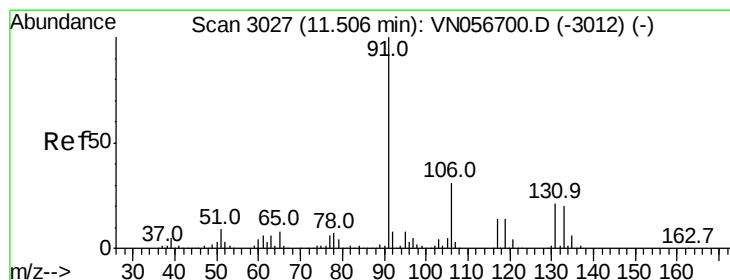
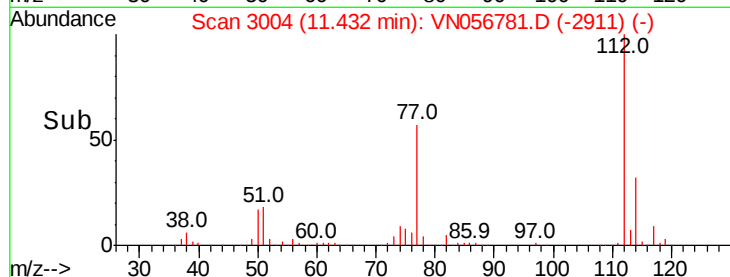
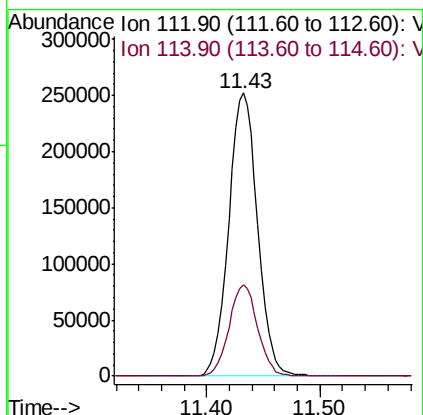
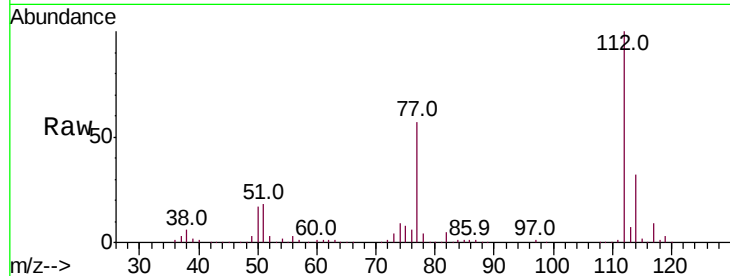
#65
Chlorobenzene
Concen: 49.752 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN056781.D
Acq: 16 Jul 2019 20:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 446265
Ion Ratio Lower Upper
112 100
114 32.2 25.2 37.8

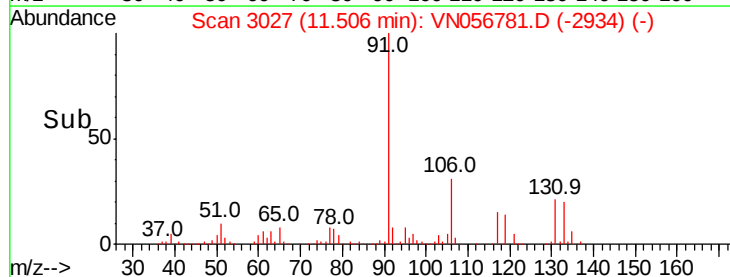
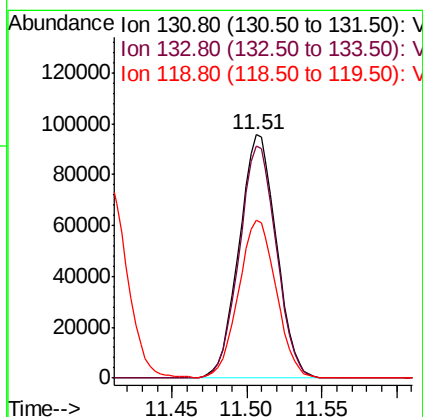
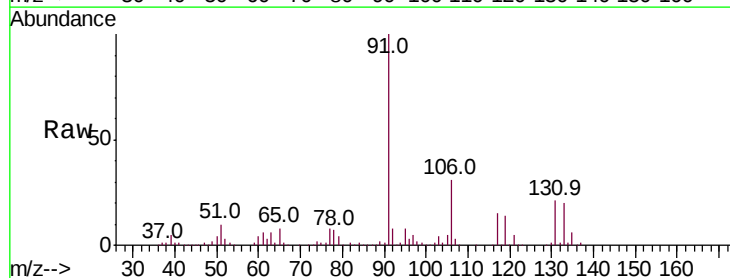
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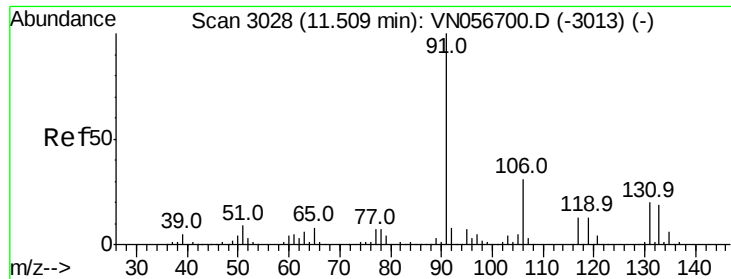
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#66
1,1,1,2-Tetrachloroethane
Concen: 50.275 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN056781.D
Acq: 16 Jul 2019 20:02

Tgt Ion:131 Resp: 166035
Ion Ratio Lower Upper
131 100
133 95.4 46.9 140.7
119 65.5 32.8 98.3





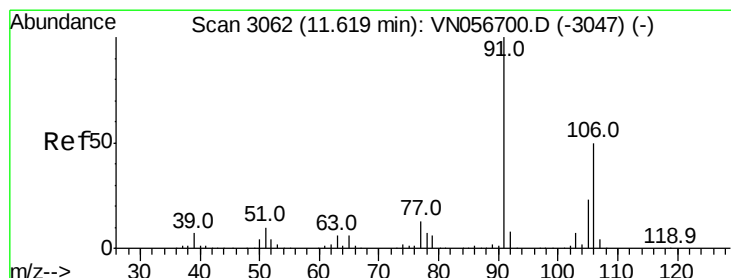
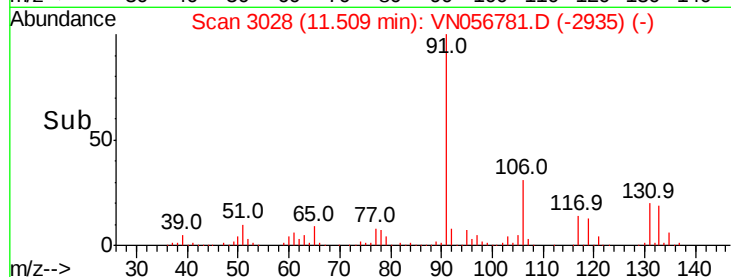
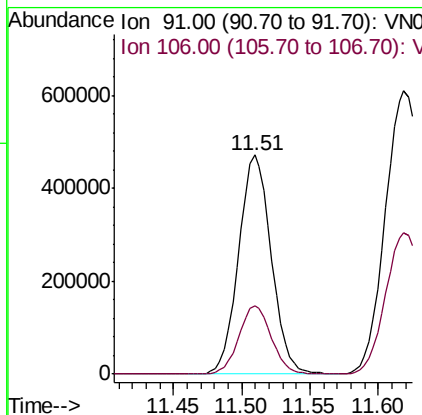
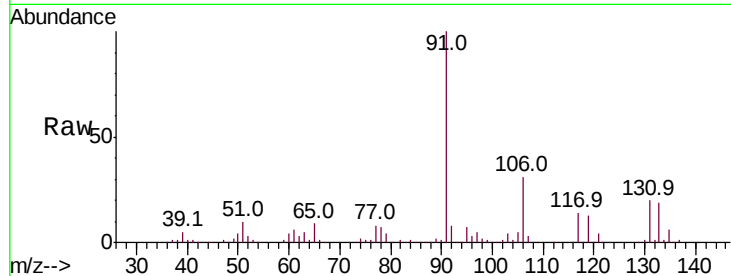
#67
Ethyl Benzene
Concen: 49.729 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN056781.D
Acq: 16 Jul 2019 20:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 783902
Ion Ratio Lower Upper
91 100
106 31.3 24.8 37.2

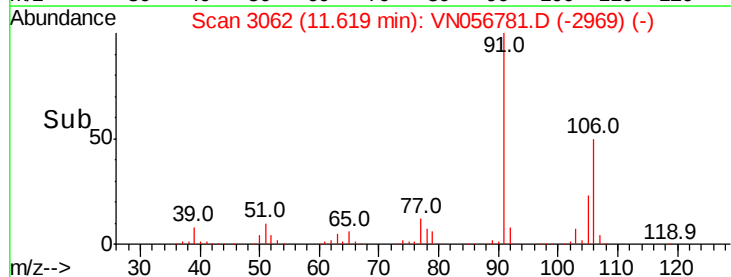
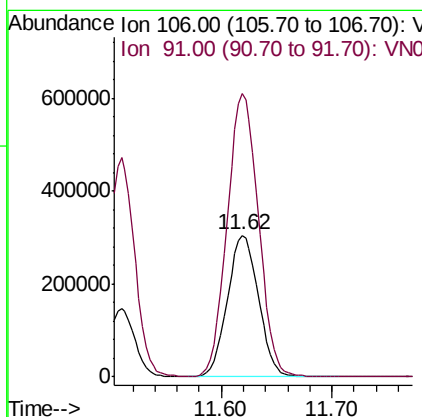
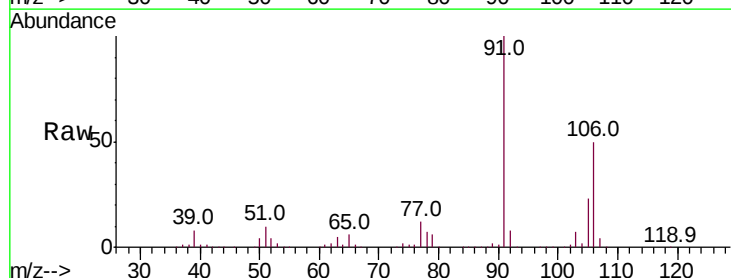
Manual Integrations
APPROVED

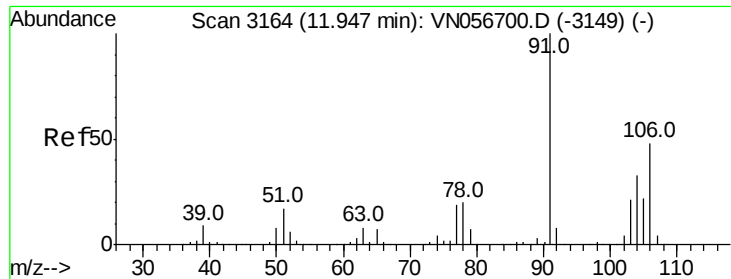
MMDadoda
7/17/2019 4:57:37 PM



#68
m/p-Xylenes
Concen: 100.939 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN056781.D
Acq: 16 Jul 2019 20:02

Tgt Ion: 106 Resp: 594652
Ion Ratio Lower Upper
106 100
91 201.4 160.5 240.7





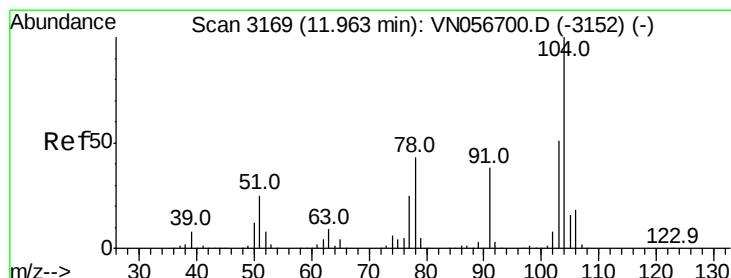
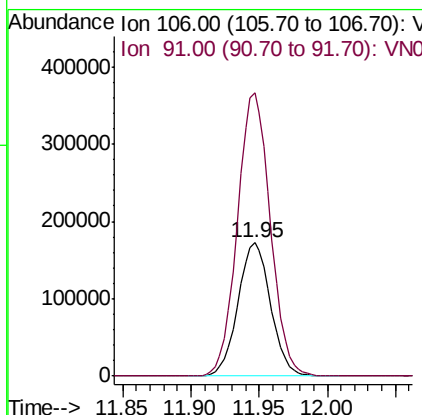
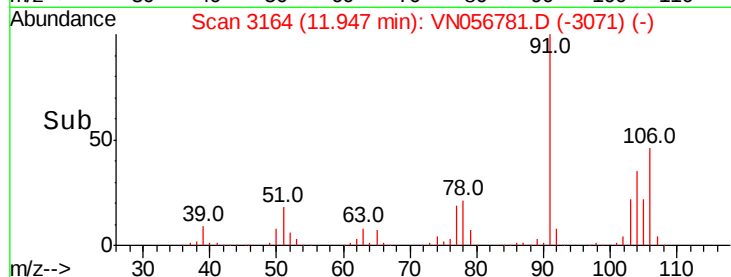
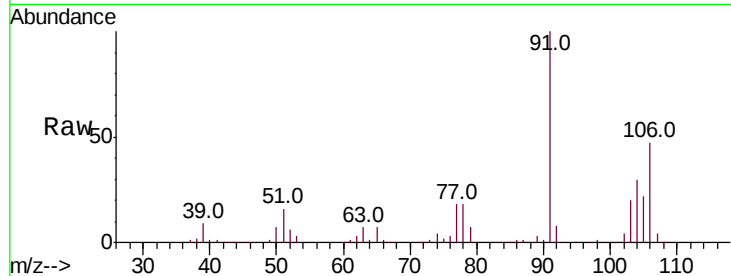
#69
o-Xylene
Concen: 49.274 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056781.D
Acq: 16 Jul 2019 20:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 285386
Ion Ratio Lower Upper
106 100
91 214.7 105.6 316.8

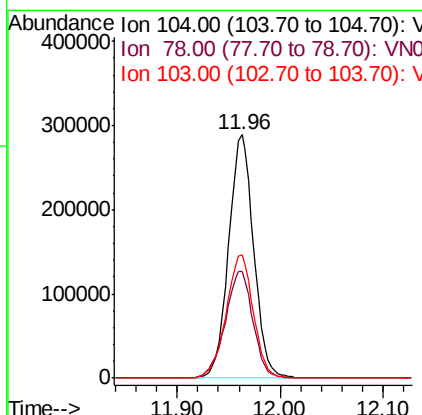
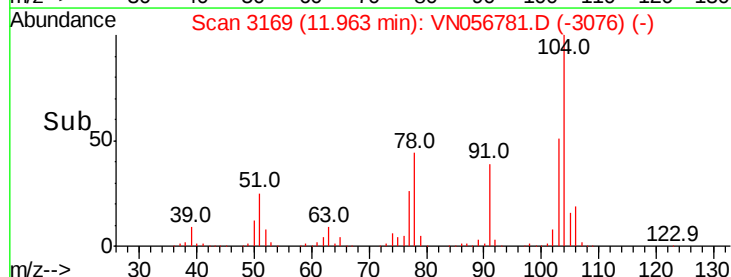
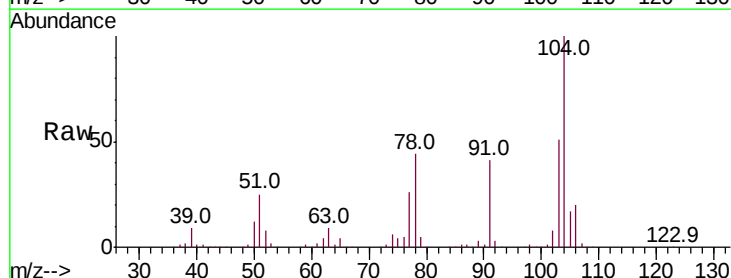
Manual Integrations
APPROVED

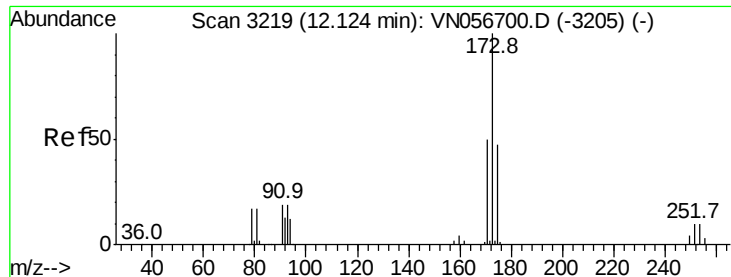
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#70
Styrene
Concen: 52.194 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056781.D
Acq: 16 Jul 2019 20:02

Tgt Ion:104 Resp: 488723
Ion Ratio Lower Upper
104 100
78 48.5 38.6 57.8
103 55.1 44.2 66.4





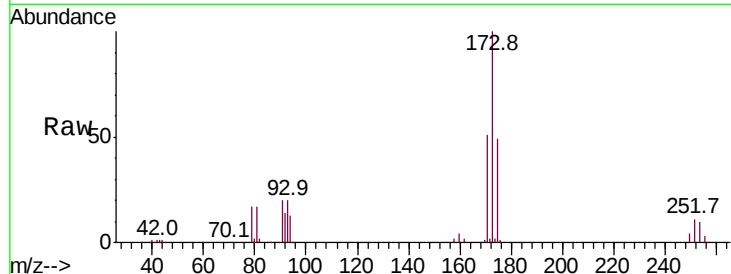
#71
Bromoform
Concen: 51.108 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. 0.00 min
Lab File: VN056781.D
Acq: 16 Jul 2019 20:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.4	23.8	71.4
254	0.0	0.0	0.0

Manual Integrations
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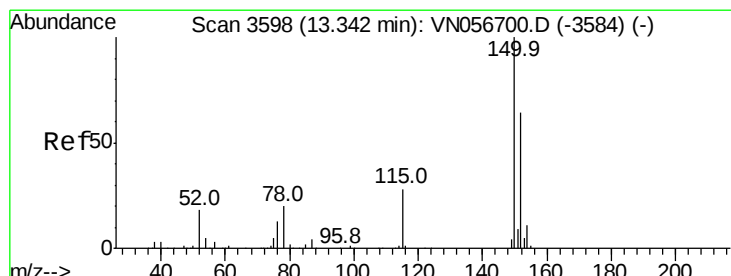
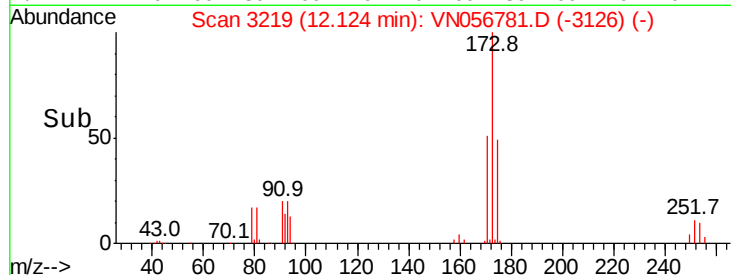
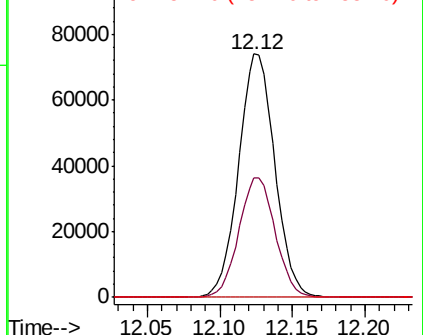


Abundance

Ion 172.70 (172.40 to 173.40): V

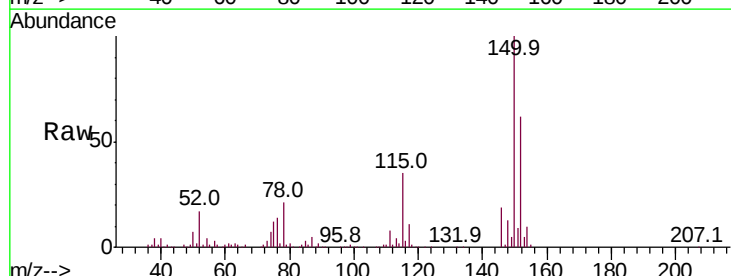
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN056781.D
Acq: 16 Jul 2019 20:02

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.9	28.2	84.7
150	173.9	0.0	345.8

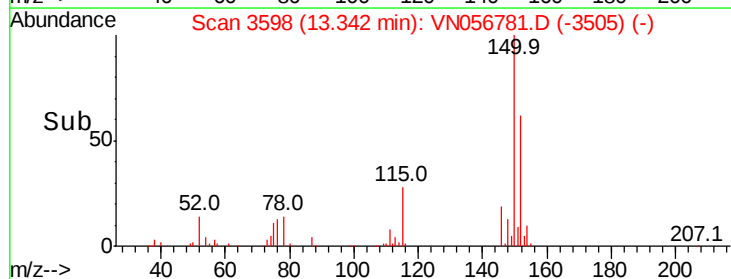
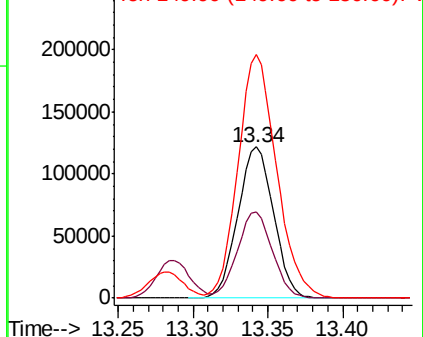


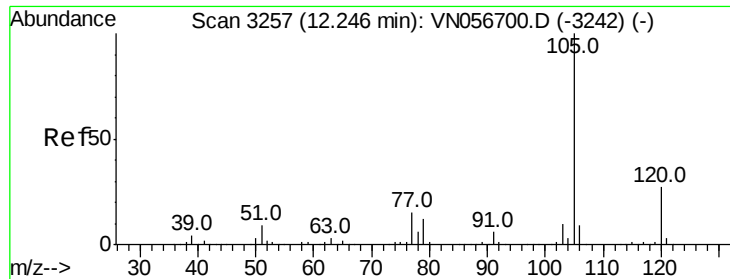
Abundance

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: 47.302 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN056781.D

Acq: 16 Jul 2019 20:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 770637

Ion Ratio Lower Upper

105 100

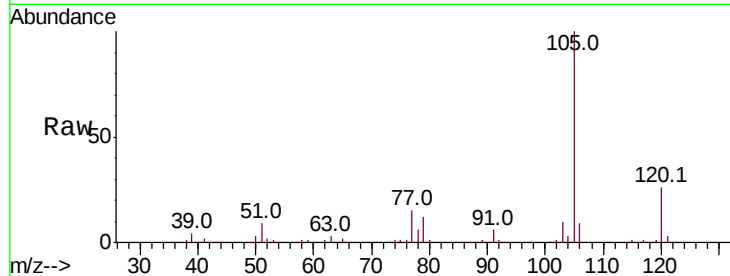
120 26.3 13.4 40.2

Manual Integrations

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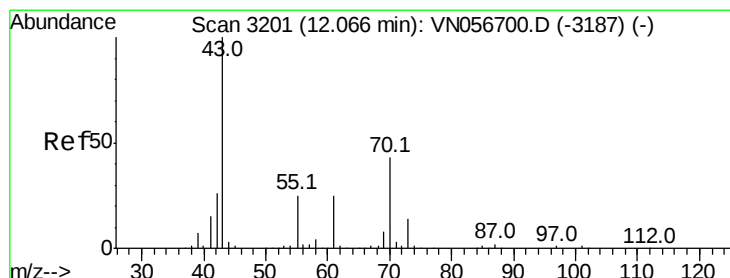
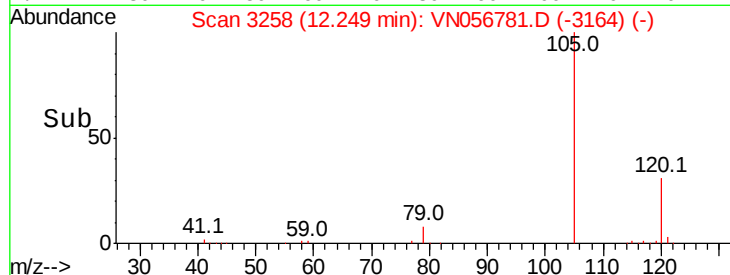
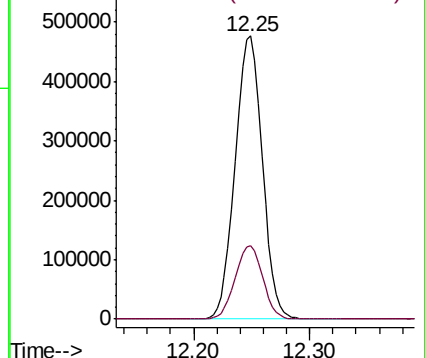
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 48.582 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN056781.D

Acq: 16 Jul 2019 20:02

Tgt Ion: 43 Resp: 294769

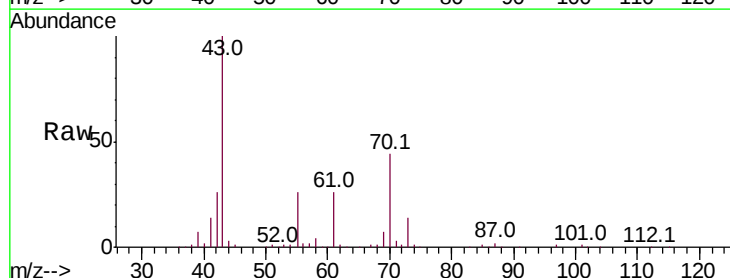
Ion Ratio Lower Upper

43 100

70 44.1 34.5 51.7

55 25.9 20.2 30.2

61 25.7 19.9 29.9

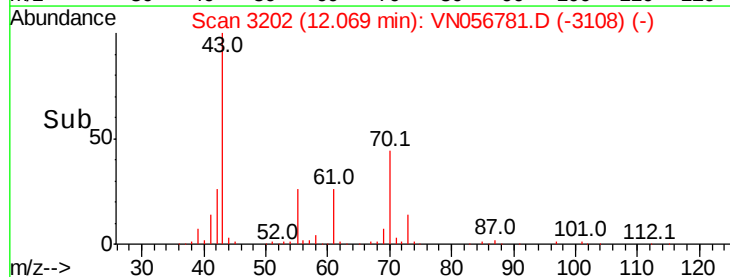
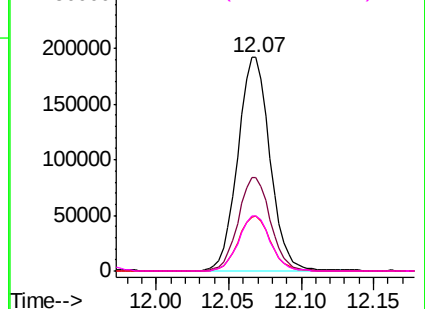


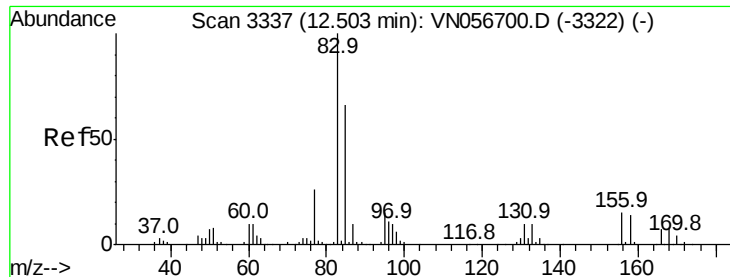
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#75

1,1,2,2-Tetrachloroethane

Concen: 52.164 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN056781.D

Acq: 16 Jul 2019 20:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 245694

Ion Ratio Lower Upper

83 100

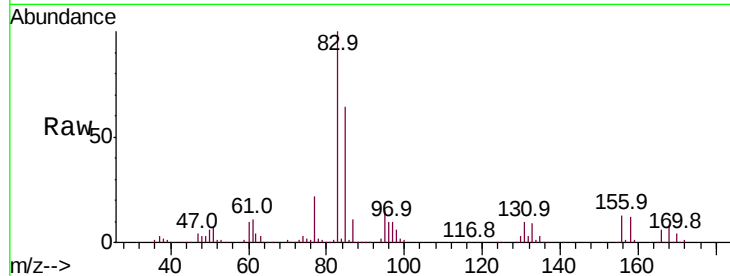
131 10.2 5.3 15.8

85 63.9 32.6 97.8

Manual Integrations
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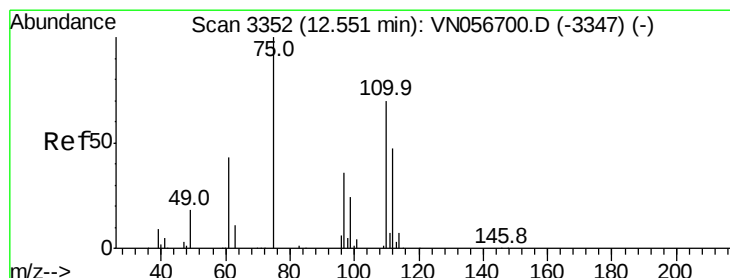
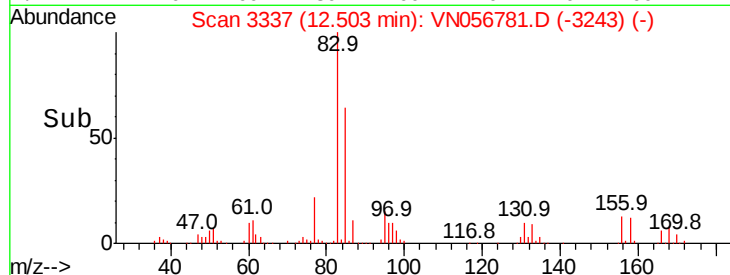
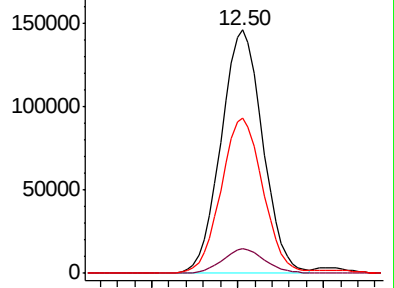
7/17/2019 4:57:37 PM



Abundance Ion 82.90 (82.60 to 83.60): VN056781.D (-3243) (-)

Ion 130.80 (130.50 to 131.50): VN056781.D (-3243) (-)

Ion 84.90 (84.60 to 85.60): VN056781.D (-3243) (-)



#76

1,2,3-Trichloropropane

Concen: 48.903 ug/l m

RT: 12.55 min Scan# 3352

Delta R.T. 0.00 min

Lab File: VN056781.D

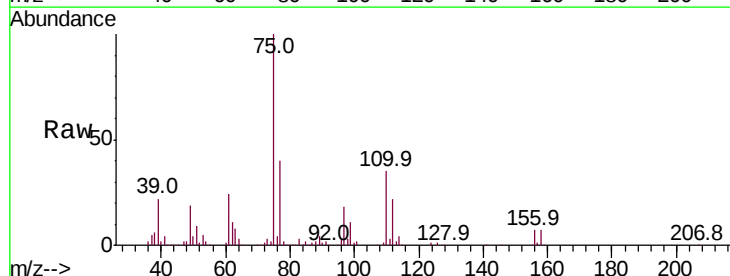
Acq: 16 Jul 2019 20:02

Tgt Ion: 75 Resp: 216114

Ion Ratio Lower Upper

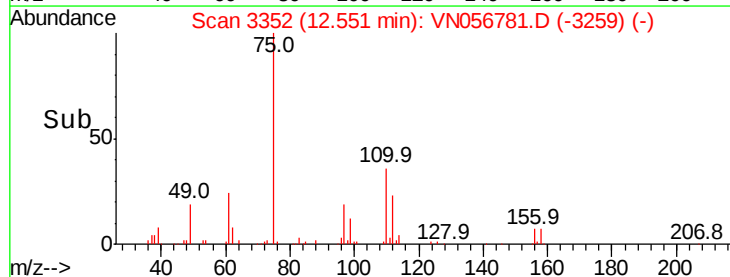
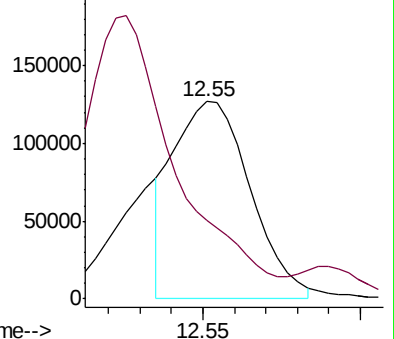
75 100

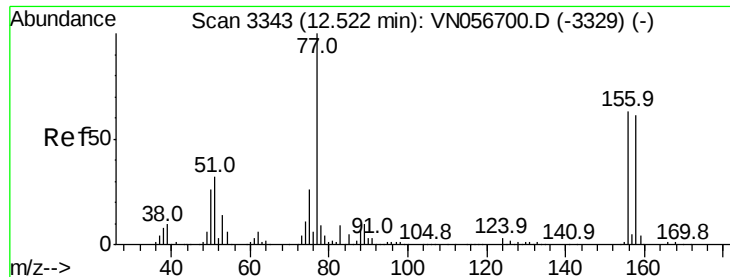
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN056781.D (-3259) (-)

Ion 77.00 (76.70 to 77.70): VN056781.D (-3259) (-)





#77

Bromobenzene

Concen: 47.108 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN056781.D

Acq: 16 Jul 2019 20:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 200739

Ion Ratio Lower Upper

156 100

77 191.1 97.2 291.6

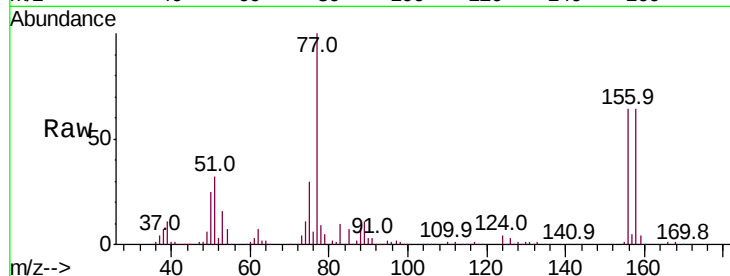
158 98.3 48.9 146.8

Manual Integrations

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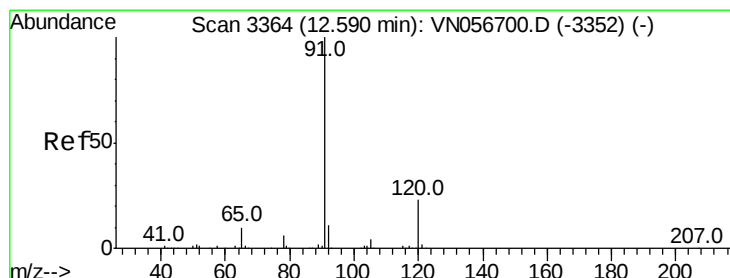
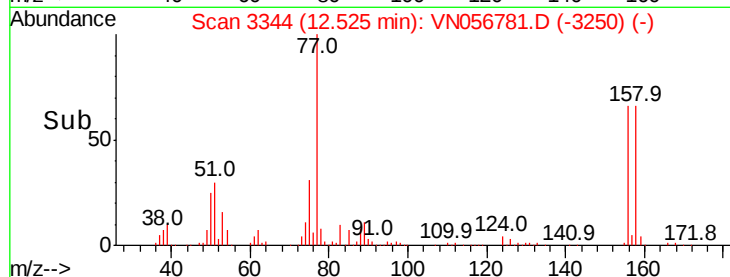
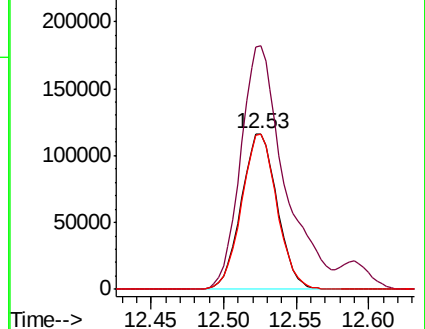
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 46.941 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN056781.D

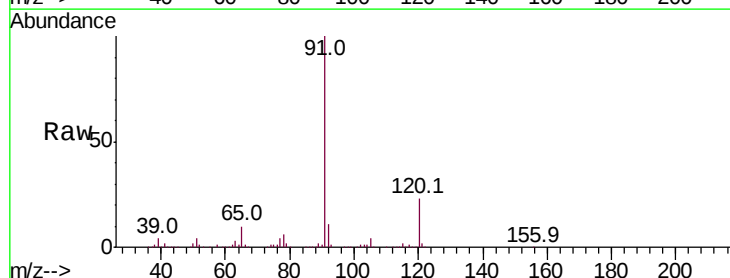
Acq: 16 Jul 2019 20:02

Tgt Ion: 91 Resp: 849014

Ion Ratio Lower Upper

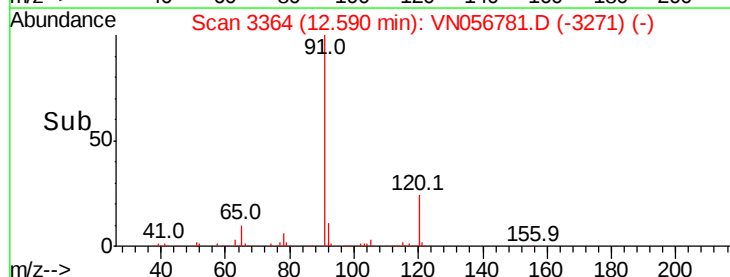
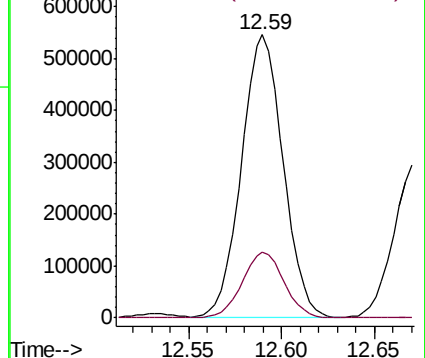
91 100

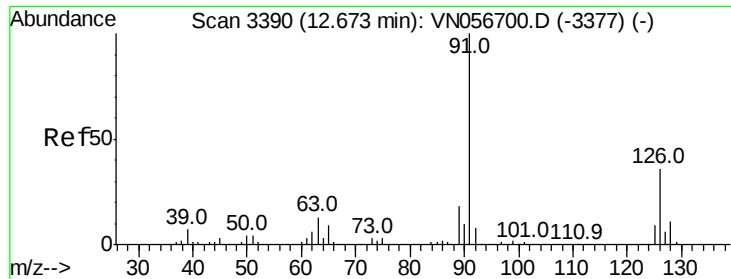
120 23.4 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





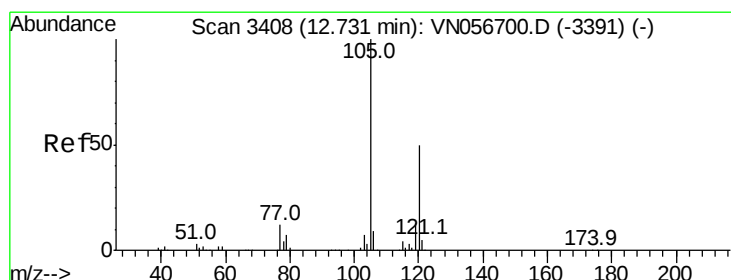
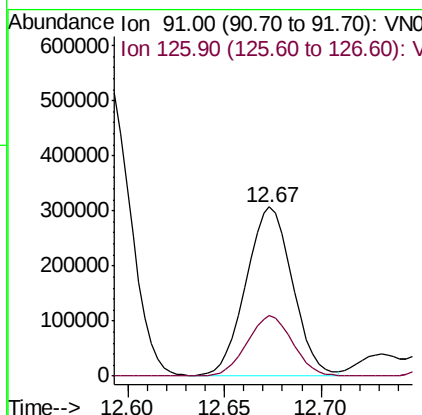
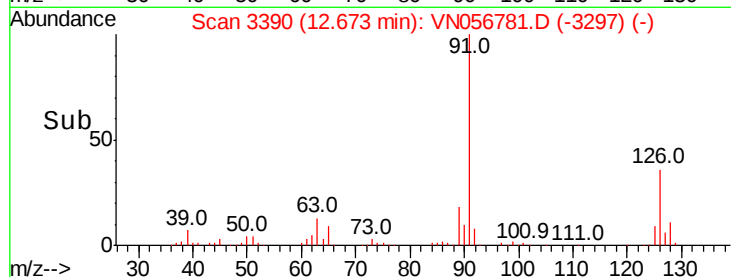
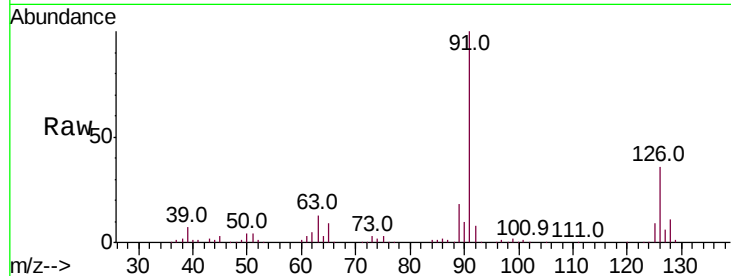
#79
 2-Chlorotoluene
 Concen: 51.164 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VN056781.D
 Acq: 16 Jul 2019 20:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 510986
 Ion Ratio Lower Upper
 91 100
 126 35.4 17.9 53.7

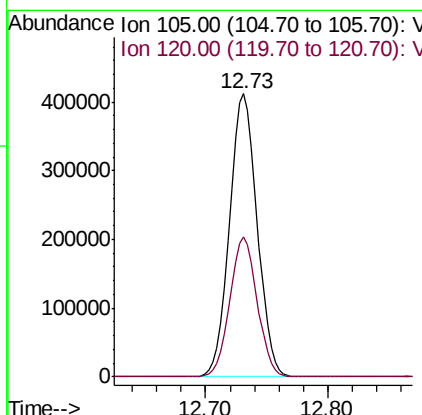
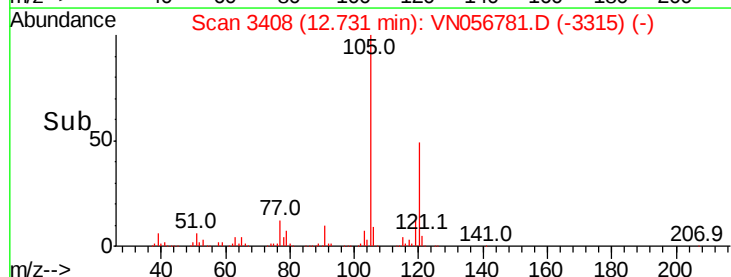
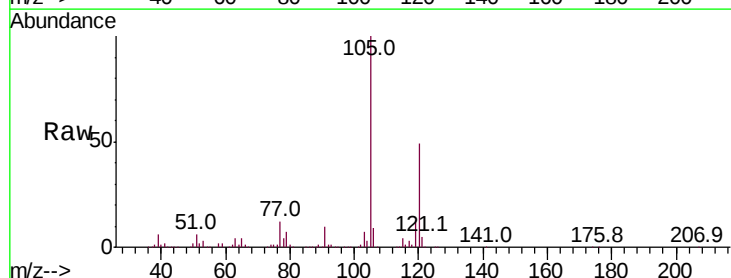
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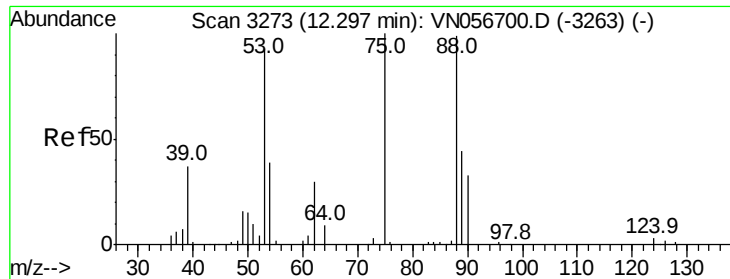
MMDadoda
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#80
 1,3,5-Trimethylbenzene
 Concen: 47.071 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN056781.D
 Acq: 16 Jul 2019 20:02

Tgt Ion: 105 Resp: 649954
 Ion Ratio Lower Upper
 105 100
 120 48.8 24.8 74.3





#81

trans-1,4-Dichloro-2-butene

Concen: 49.544 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN056781.D

Acq: 16 Jul 2019 20:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 70895

Ion Ratio Lower Upper

75 100

53 91.6 73.7 110.5

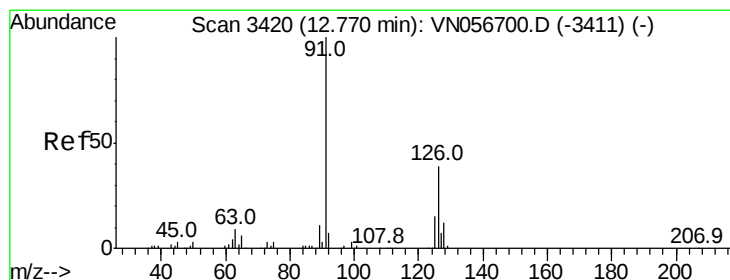
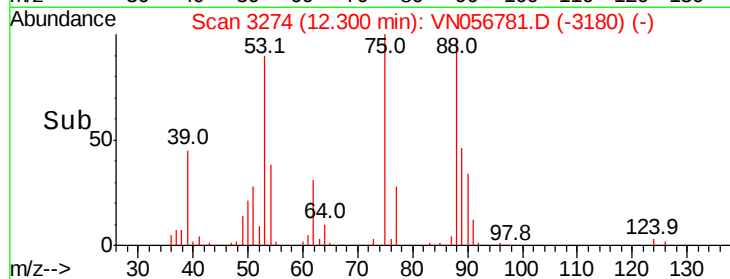
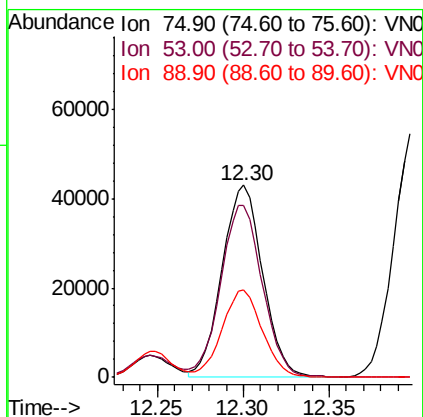
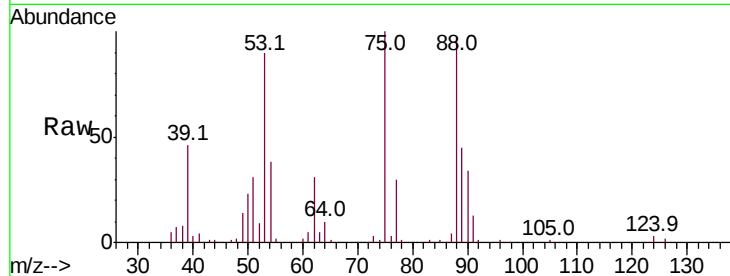
89 45.1 36.2 54.2

Manual Integrations

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#82

4-Chlorotoluene

Concen: 47.649 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. 0.00 min

Lab File: VN056781.D

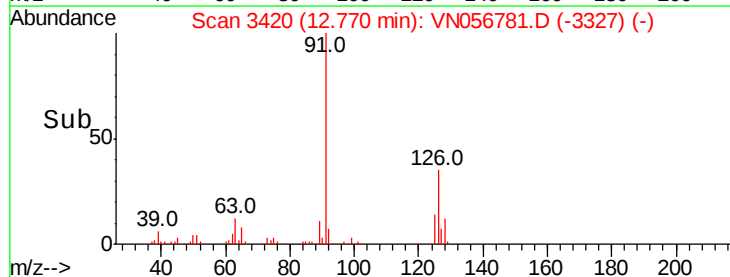
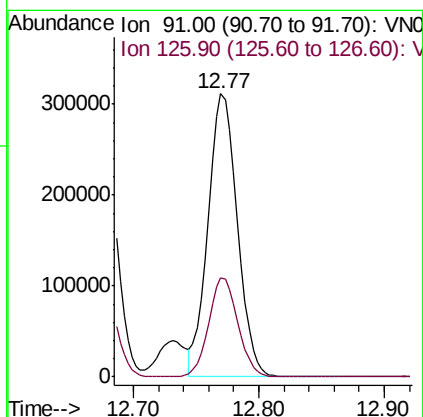
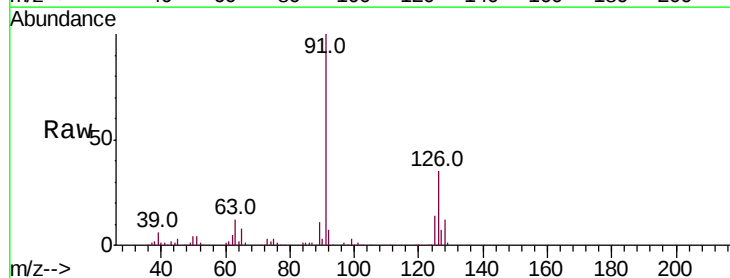
Acq: 16 Jul 2019 20:02

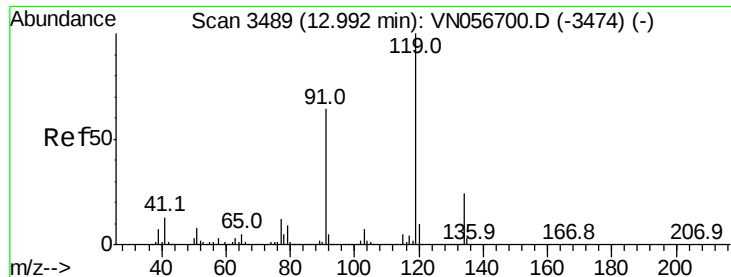
Tgt Ion: 91 Resp: 505758

Ion Ratio Lower Upper

91 100

126 34.8 17.6 52.8





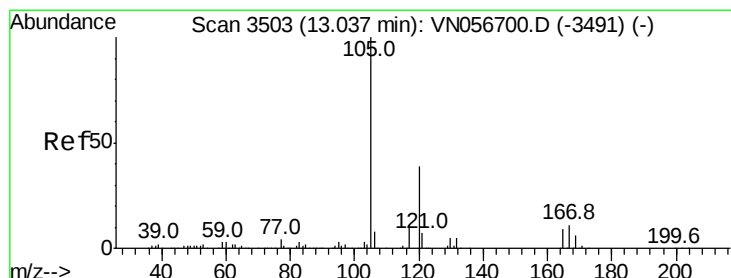
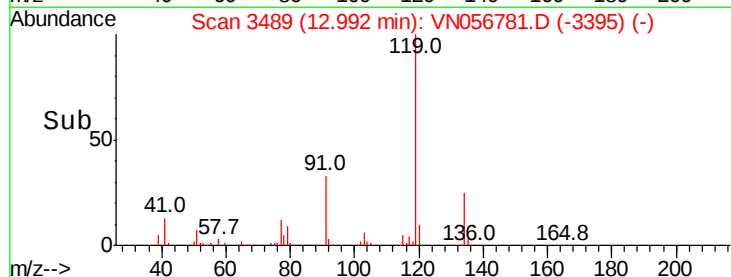
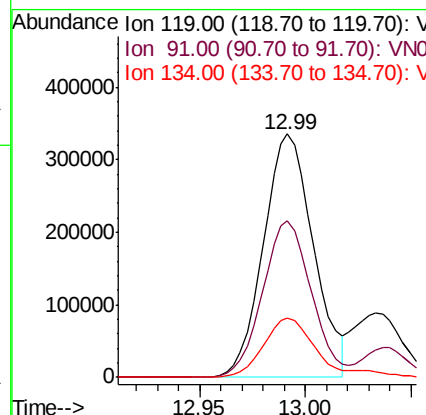
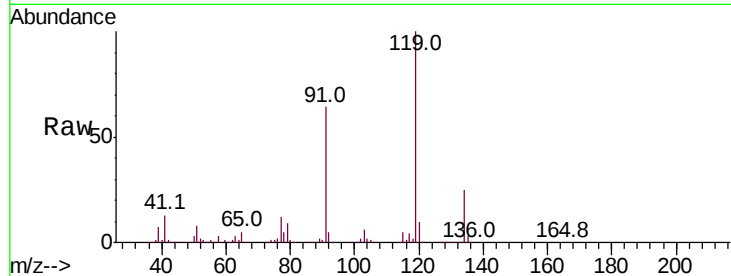
#83
 tert-Butylbenzene
 Concen: 51.471 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN056781.D
 Acq: 16 Jul 2019 20:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.8	31.8	95.4
134	26.2	13.0	38.9

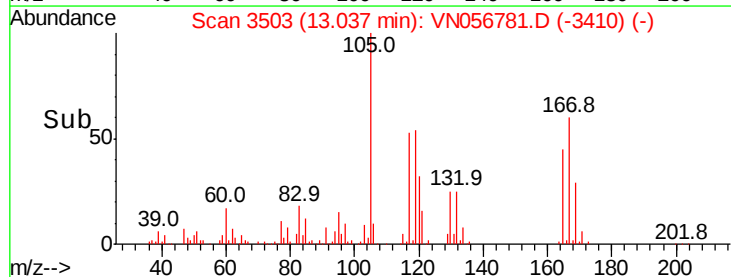
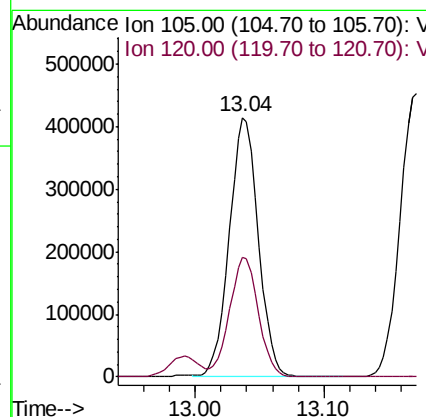
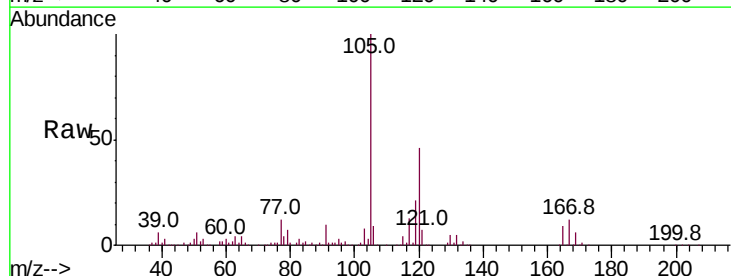
Manual Integrations
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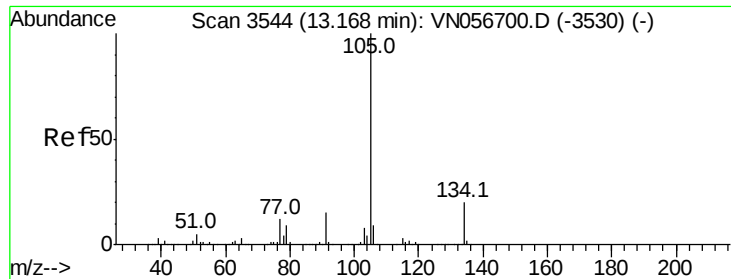
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#84
 1,2,4-Trimethylbenzene
 Concen: 47.646 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN056781.D
 Acq: 16 Jul 2019 20:02

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.9	22.9	68.8





#85

sec-Butylbenzene

Concen: 47.406 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN056781.D

Acq: 16 Jul 2019 20:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 727353

Ion Ratio Lower Upper

105 100

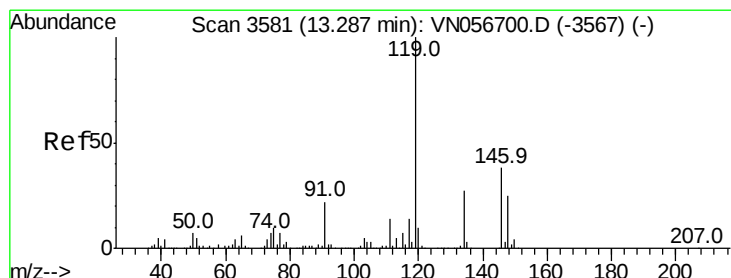
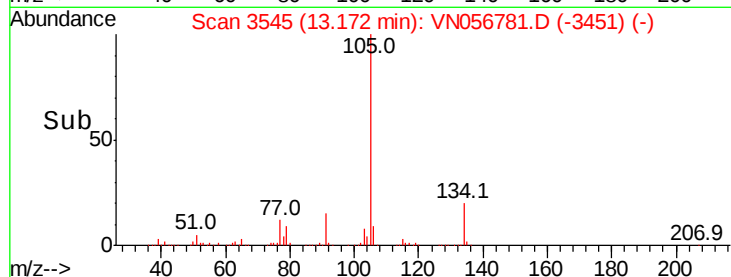
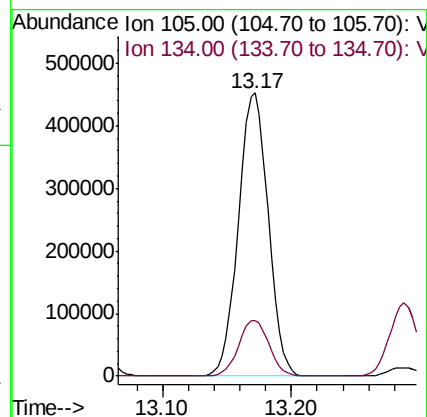
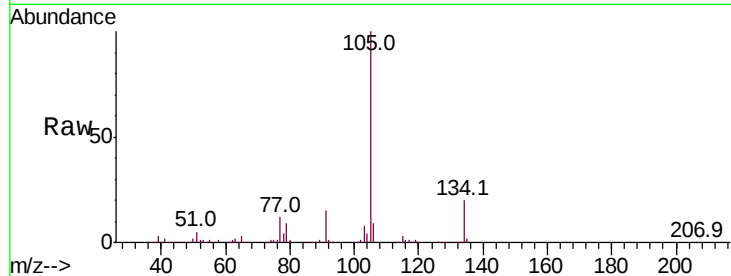
134 20.0 10.1 30.1

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 47.661 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN056781.D

Acq: 16 Jul 2019 20:02

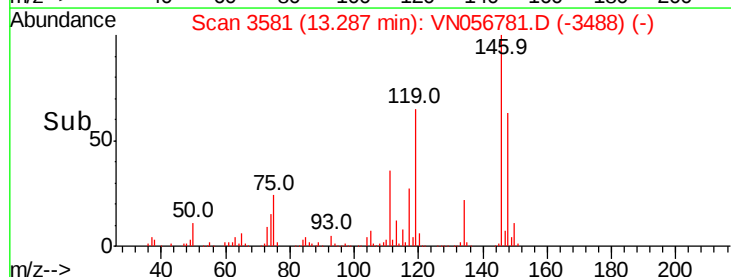
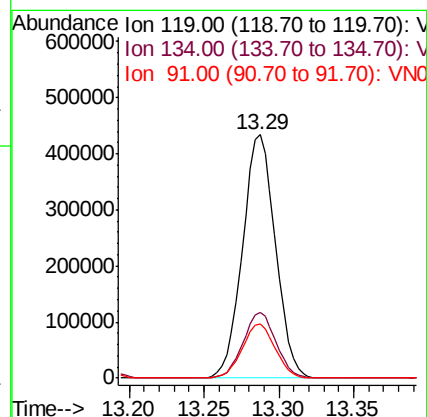
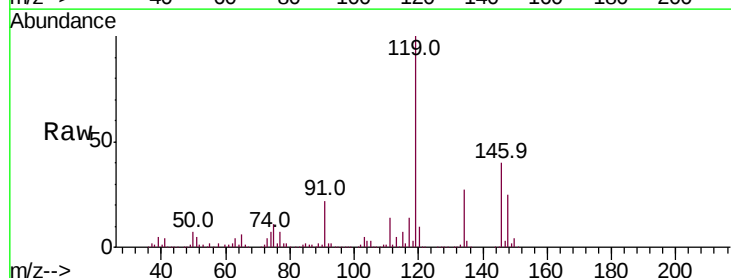
Tgt Ion:119 Resp: 662457

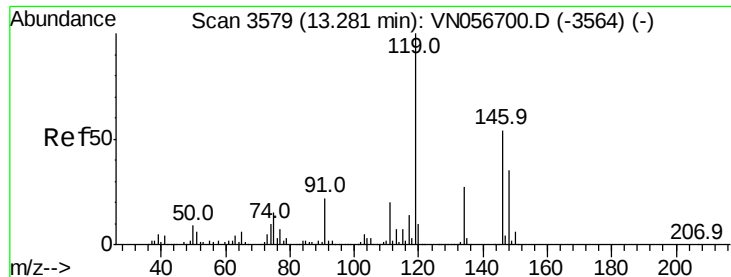
Ion Ratio Lower Upper

119 100

134 27.0 13.6 40.7

91 22.1 11.2 33.5





#87

1,3-Dichlorobenzene

Concen: 47.837 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN056781.D

Acq: 16 Jul 2019 20:02

Instrument :

MSVOA_N

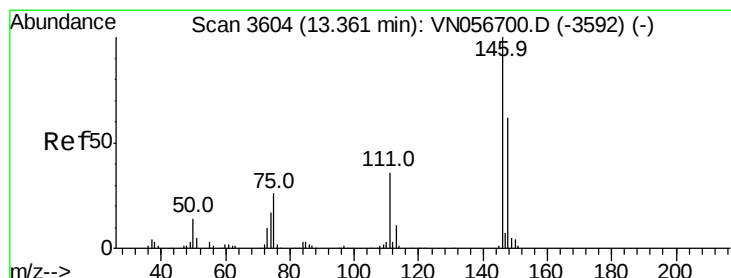
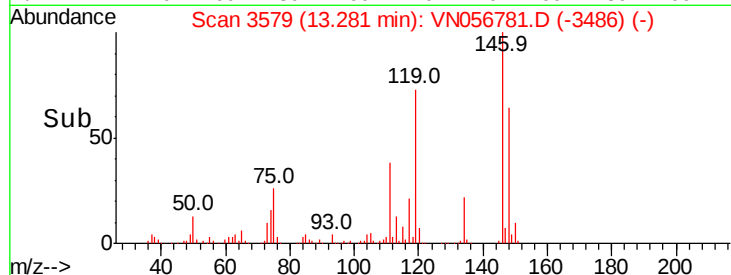
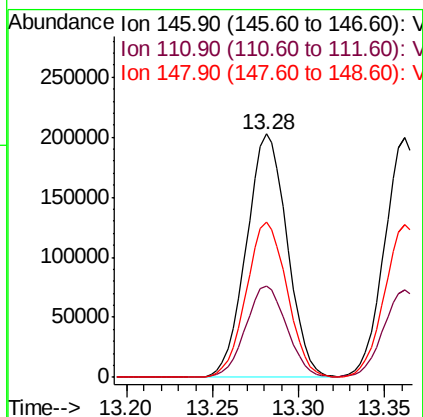
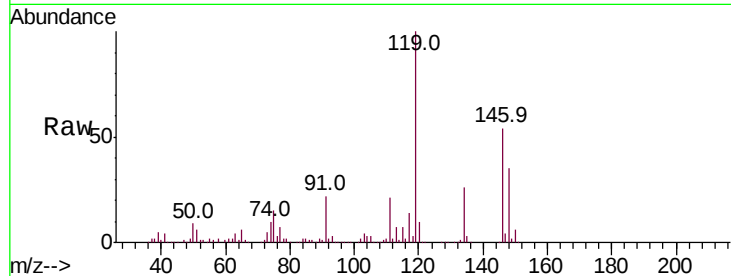
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	334073
Ion Ratio	Lower	Upper	
146	100		
111	37.6	18.8	56.3
148	63.8	32.3	96.8

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#88

1,4-Dichlorobenzene

Concen: 47.642 ug/l

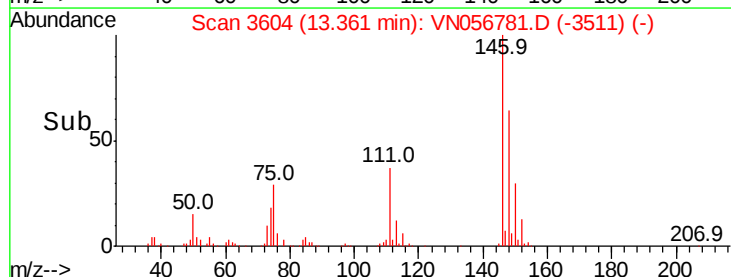
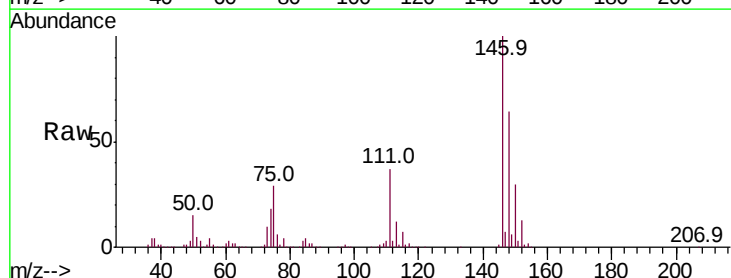
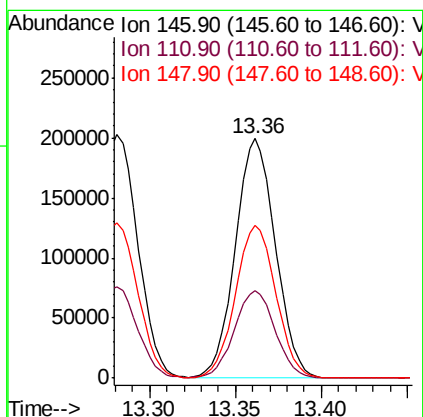
RT: 13.36 min Scan# 3604

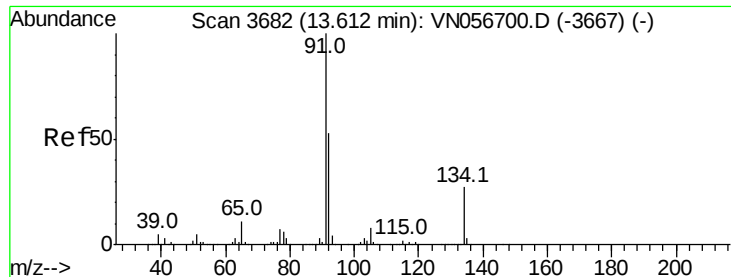
Delta R.T. 0.00 min

Lab File: VN056781.D

Acq: 16 Jul 2019 20:02

Tgt Ion:	146	Resp:	323632
Ion Ratio	Lower	Upper	
146	100		
111	37.1	18.6	55.8
148	64.6	31.9	95.7





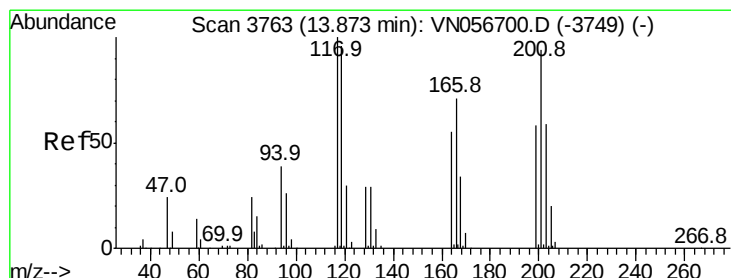
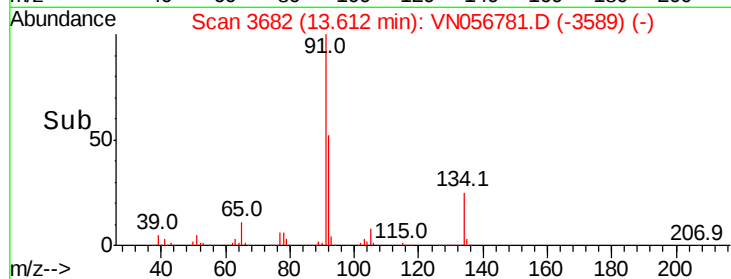
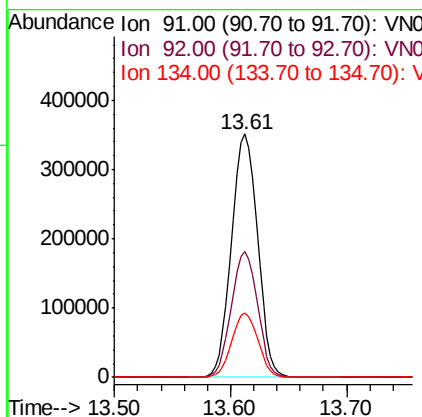
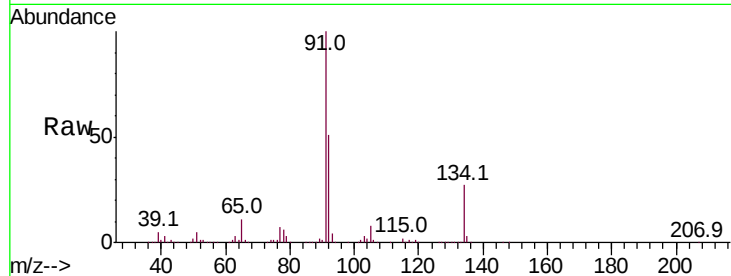
#89
n-Butylbenzene
Concen: 48.741 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN056781.D
Acq: 16 Jul 2019 20:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.8	26.0	78.0
134	26.5	13.4	40.2

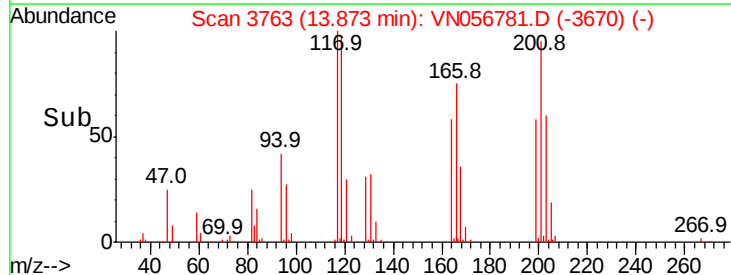
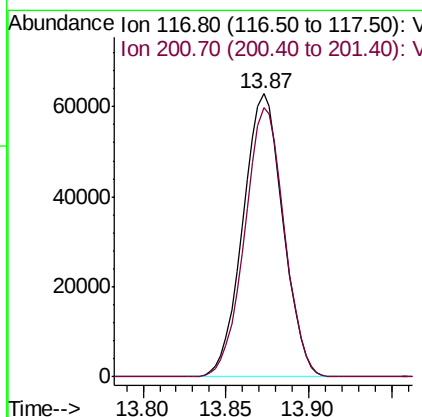
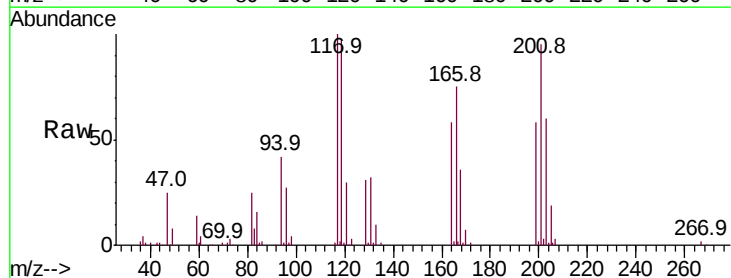
Manual Integrations
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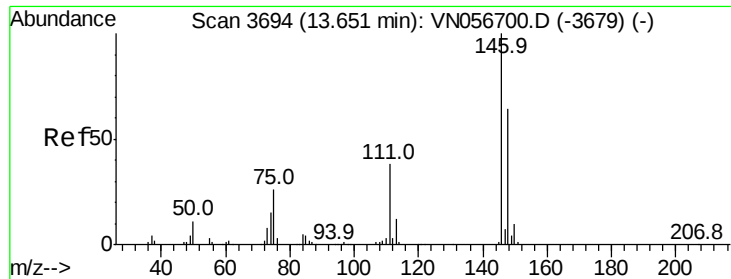
MMDadoda
7/17/2019 4:57:37 PM



#90
Hexachloroethane
Concen: 47.102 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN056781.D
Acq: 16 Jul 2019 20:02

Tgt Ion	Ratio	Lower	Upper
117	100		
201	93.5	46.5	139.5





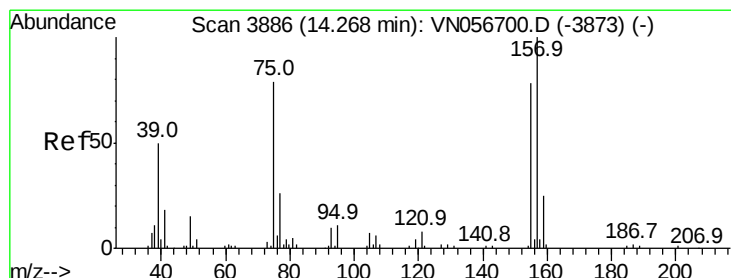
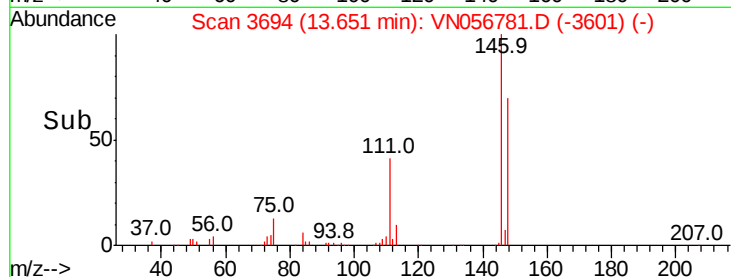
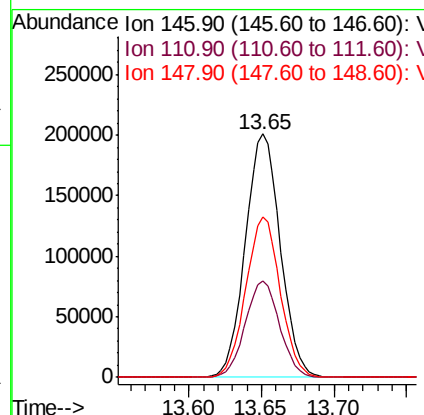
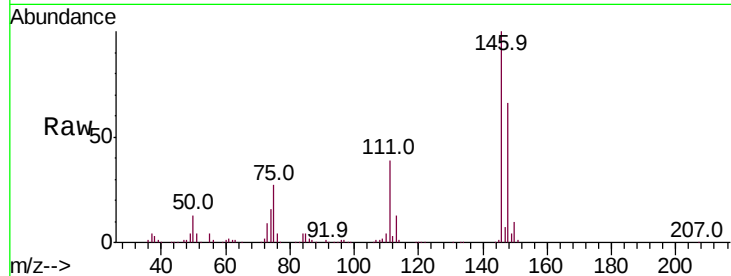
#91
 1,2-Dichlorobenzene
 Concen: 47.182 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN056781.D
 Acq: 16 Jul 2019 20:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.1	57.1
148	64.8	31.7	95.1

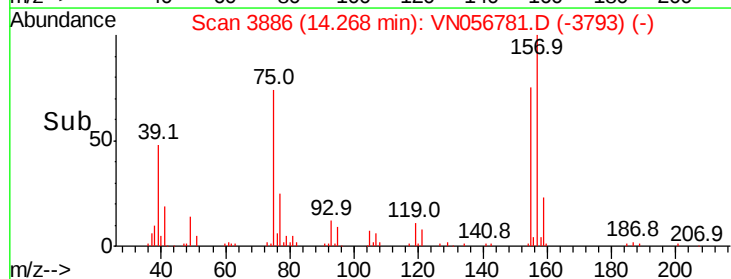
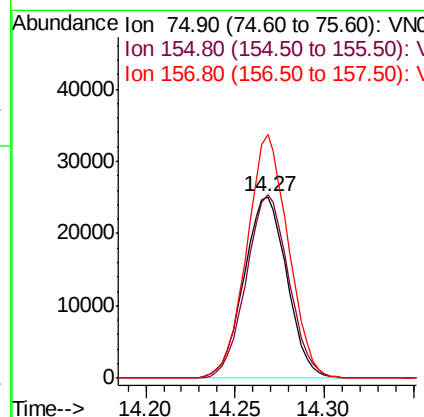
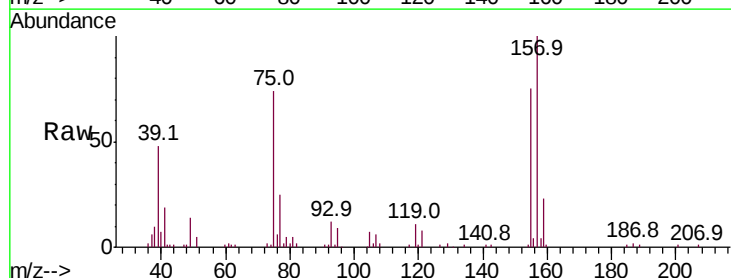
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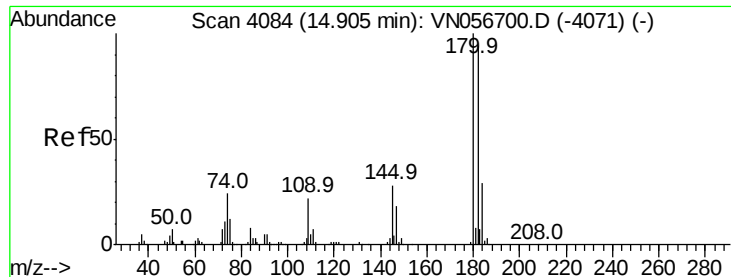
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.350 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN056781.D
 Acq: 16 Jul 2019 20:02

Tgt Ion	Ratio	Lower	Upper
75	100		
155	99.9	49.3	147.9
157	129.8	62.4	187.1





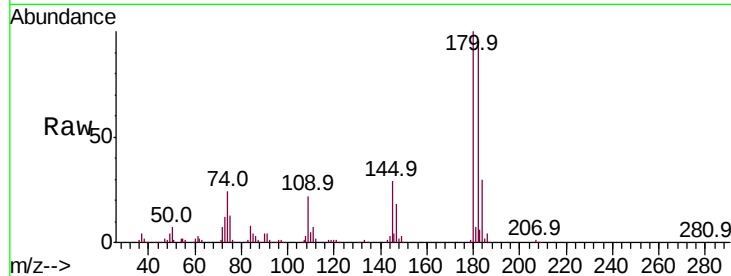
#93
 1,2,4-Trichlorobenzene
 Concen: 44.994 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.00 min
 Lab File: VN056781.D
 Acq: 16 Jul 2019 20:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

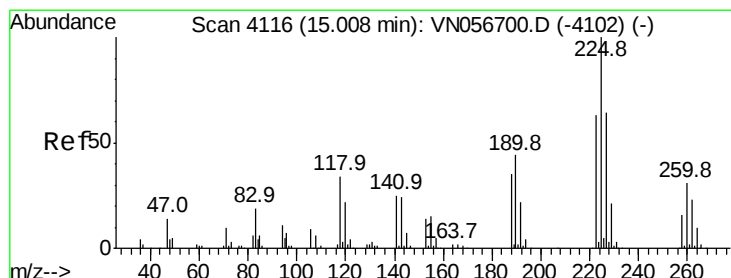
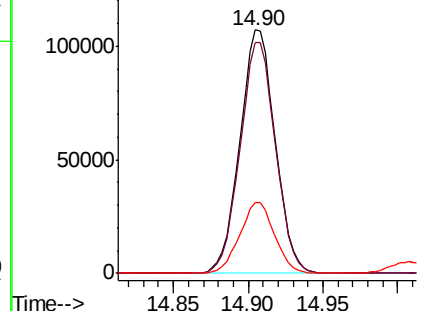
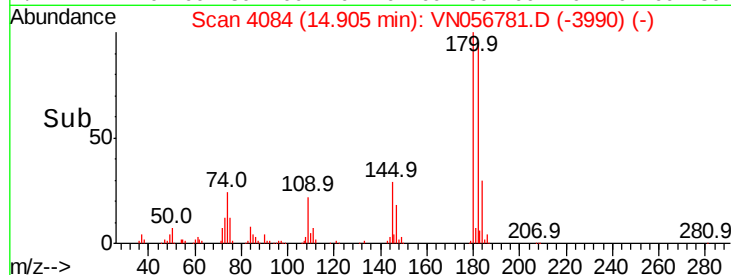
Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.0	47.2	141.6	
145	28.7	14.2	42.8	

Manual Integrations
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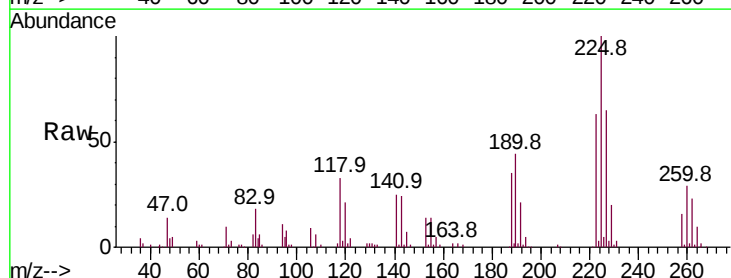


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

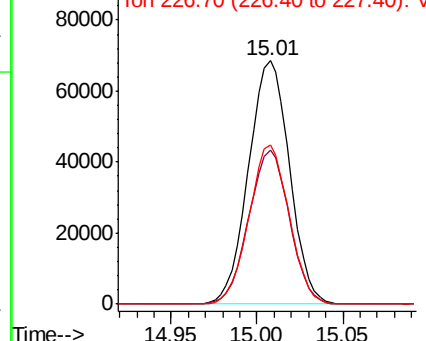
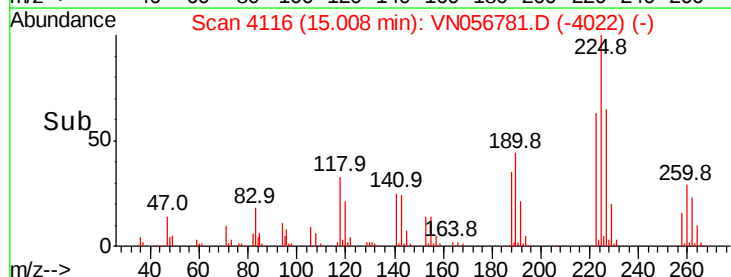


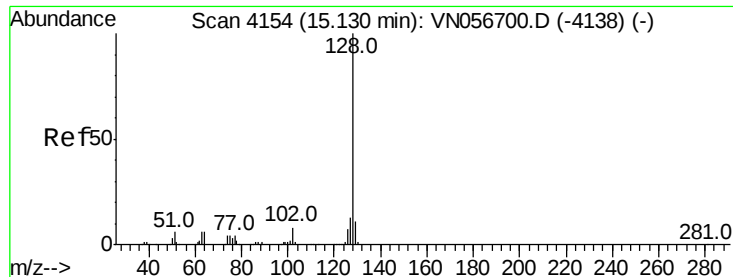
#94
 Hexachlorobutadiene
 Concen: 50.613 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056781.D
 Acq: 16 Jul 2019 20:02

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.6	31.5	94.5	
227	63.9	32.0	96.2	



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 43.247 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN056781.D

Acq: 16 Jul 2019 20:02

Instrument :

MSVOA_N

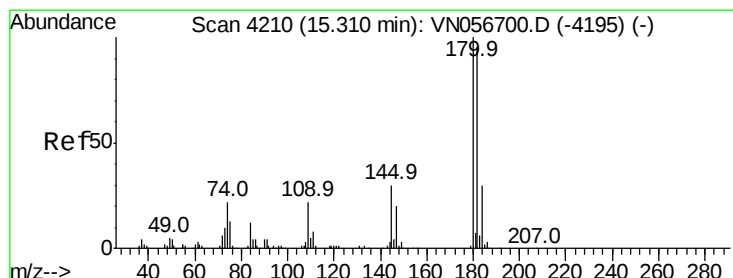
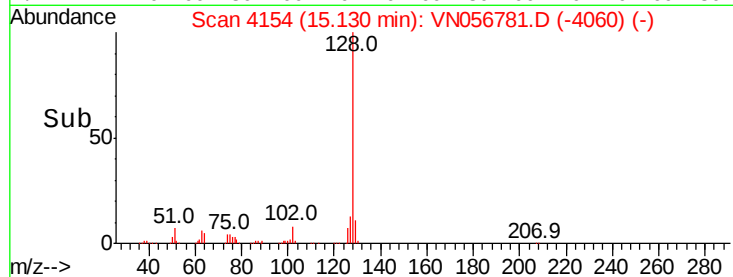
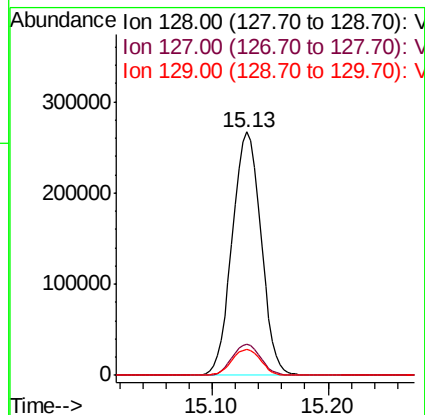
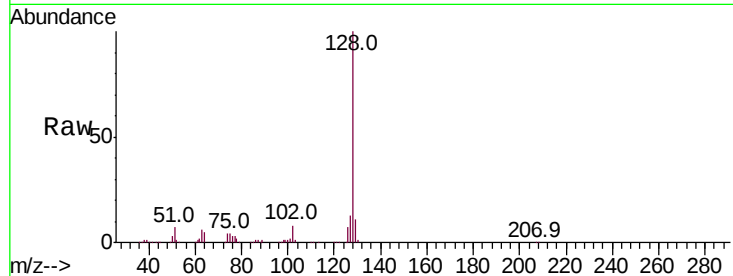
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	460902
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.3	15.5
129	10.7	8.7	13.1

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#96

1,2,3-Trichlorobenzene

Concen: 45.264 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. 0.00 min

Lab File: VN056781.D

Acq: 16 Jul 2019 20:02

Tgt Ion:	180	Resp:	176010
Ion Ratio	Lower	Upper	
180	100		
182	95.4	47.1	141.3
145	30.1	15.0	45.1

