

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052319\
 Data File : VN055746.D
 Acq On : 23 May 2019 10:35
 Operator : JC/SP
 Sample : VSTDICCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 5/24/2019 9:22:04 AM

Quant Time: May 24 06:06:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052319W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 24 05:41:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	355927	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	515264	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	462089	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	216909	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.02	65	185343	47.93	ug/l	0.00
Spiked Amount						
			Recovery	=	95.86%	
35) Dibromofluoromethane	7.59	113	164475	50.34	ug/l	0.00
Spiked Amount						
			Recovery	=	100.68%	
50) Toluene-d8	10.09	98	625106	50.47	ug/l	0.00
Spiked Amount						
			Recovery	=	100.94%	
62) 4-Bromofluorobenzene	12.40	95	218957	51.12	ug/l	0.00
Spiked Amount						
			Recovery	=	102.24%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	112921	42.008	ug/l	100
3) Chloromethane	2.06	50	162659	44.865	ug/l	100
4) Vinyl Chloride	2.18	62	172178	44.027	ug/l	100
5) Bromomethane	2.53	94	116442m	46.505	ug/l	100
6) Chloroethane	2.68	64	108092	49.212	ug/l	100
7) Trichlorofluoromethane	3.00	101	228246	45.528	ug/l	100
8) Diethyl Ether	3.40	74	102514	50.255	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	142026	46.359	ug/l	100
10) Methyl Iodide	3.94	142	223085	50.168	ug/l	100
11) Tert butyl alcohol	4.81	59	181795	250.170	ug/l	100
12) 1,1-Dichloroethene	3.72	96	147107	45.619	ug/l	100
13) Acrolein	3.60	56	120749	288.885	ug/l	100
14) Allyl chloride	4.31	41	252358	48.409	ug/l	100
15) Acrylonitrile	4.99	53	400237	247.936	ug/l	100
16) Acetone	3.82	43	397122	248.844	ug/l	100
17) Carbon Disulfide	4.04	76	407945	45.540	ug/l	100
18) Methyl Acetate	4.33	43	166533	48.815	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	491391	46.179	ug/l	100
20) Methylene Chloride	4.54	84	166038	45.991	ug/l	100
21) trans-1,2-Dichloroethene	5.03	96	157426	45.890	ug/l	100
22) Diisopropyl ether	5.95	45	494899	47.748	ug/l	100
23) Vinyl Acetate	5.90	43	2157015	245.322	ug/l	100
24) 1,1-Dichloroethane	5.84	63	283092	46.891	ug/l	100
25) 2-Butanone	6.84	43	557966	250.887	ug/l	100
26) 2,2-Dichloropropane	6.82	77	239990	44.884	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	187083	46.672	ug/l	100
28) Bromochloromethane	7.19	49	139431	52.304	ug/l	100
29) Tetrahydrofuran	7.21	42	354035	240.781	ug/l	100
30) Chloroform	7.37	83	287261	46.194	ug/l	100
31) Cyclohexane	7.65	56	265103	46.027	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	253401	45.517	ug/l	100
36) 1,1-Dichloropropene	7.79	75	215120	47.068	ug/l	100
37) Ethyl Acetate	6.93	43	216357	52.240	ug/l	100
38) Carbon Tetrachloride	7.77	117	226768	46.343	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	268102	48.369	ug/l	100
40) Benzene	8.04	78	664338	49.126	ug/l	100
41) Methacrylonitrile	7.17	41	105584	58.728	ug/l	100
42) 1,2-Dichloroethane	8.12	62	216224	49.468	ug/l	100
43) Isopropyl Acetate	8.17	43	355657	49.292	ug/l	100
44) Trichloroethene	8.83	130	187292	49.126	ug/l	100
45) 1,2-Dichloropropane	9.12	63	174580	49.058	ug/l	100
46) Dibromomethane	9.21	93	115867	49.670	ug/l	100
47) Bromodichloromethane	9.40	83	233141	47.884	ug/l	100
48) Methyl methacrylate	9.20	41	169804	52.527	ug/l	100
49) 1,4-Dioxane	9.20	88	69255	1081.007	ug/l	100
51) 4-Methyl-2-Pentanone	9.99	43	1088741	255.362	ug/l	100
52) Toluene	10.16	92	421959	49.626	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	257755	49.281	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	282097	49.212	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	169931	48.599	ug/l	100
56) Ethyl methacrylate	10.43	69	269349	49.321	ug/l	100
57) 1,3-Dichloropropane	10.71	76	274242	49.604	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	517650	228.278	ug/l	100
59) 2-Hexanone	10.75	43	782847	261.270	ug/l	100
60) Dibromochloromethane	10.90	129	199640	50.368	ug/l	100
61) 1,2-Dibromoethane	11.00	107	177622	50.727	ug/l	100
64) Tetrachloroethene	10.63	164	185190	50.422	ug/l	100
65) Chlorobenzene	11.43	112	452722	48.521	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	177126	47.243	ug/l	100
67) Ethyl Benzene	11.51	91	805736	48.356	ug/l	100
68) m/p-Xylenes	11.62	106	613832	97.537	ug/l	100
69) o-Xylene	11.95	106	302483	48.989	ug/l	100
70) Styrene	11.96	104	512659	50.072	ug/l	100
71) Bromoform	12.13	173	159663	50.125	ug/l #	100
73) Isopropylbenzene	12.25	105	789593	44.550	ug/l	100
74) N-amyl acetate	12.07	43	306033	50.163	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	240461	44.063	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	196266m	43.903	ug/l	
77) Bromobenzene	12.53	156	213281	47.559	ug/l	100
78) n-propylbenzene	12.59	91	858015	44.666	ug/l	100
79) 2-Chlorotoluene	12.67	91	521437	44.560	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	666220	44.756	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	77781	45.729	ug/l	100
82) 4-Chlorotoluene	12.77	91	517390	45.684	ug/l	100
83) tert-Butylbenzene	12.99	119	580110	44.415	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	663797	45.279	ug/l	100
85) sec-Butylbenzene	13.17	105	748948	45.158	ug/l	100
86) p-Isopropyltoluene	13.29	119	692511	45.428	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	352161	47.796	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	336673	48.041	ug/l	100
89) n-Butylbenzene	13.61	91	551276	46.551	ug/l	100
90) Hexachloroethane	13.87	117	131114	45.058	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	346596	47.200	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	44673	46.010	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	186667	50.673	ug/l	100
94) Hexachlorobutadiene	15.01	225	128779	49.287	ug/l	100
95) Naphthalene	15.13	128	520461	52.219	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	193863	49.892	ug/l	100

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

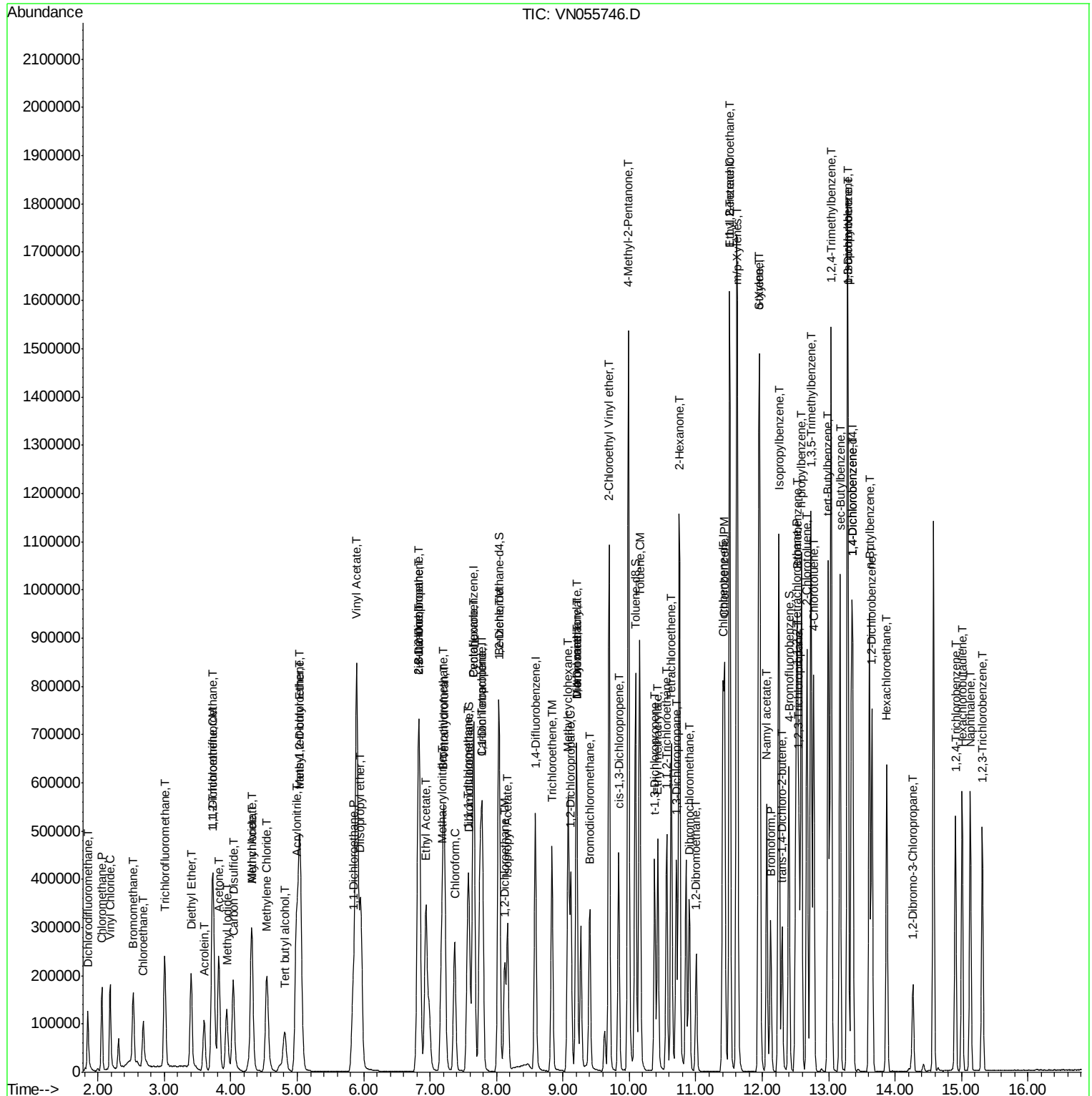
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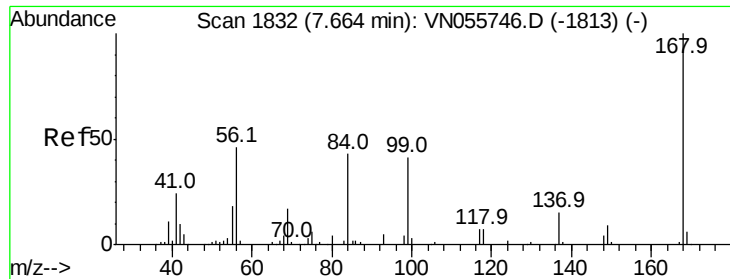
Instrument :
MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN055746.D

Acq: 23 May 2019 10:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:168 Resp: 355927

Ion Ratio Lower Upper

168 100

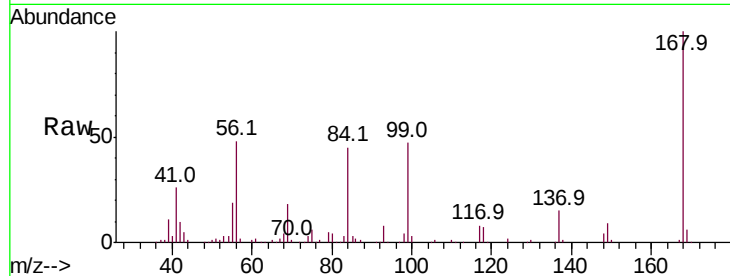
99 46.5 37.2 55.8

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VN055746.D (-1813) (-)

Ion 98.90 (98.60 to 99.60): VN055746.D (-1813) (-)

7.66

150000

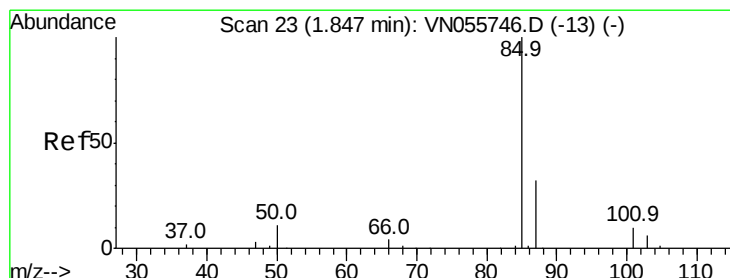
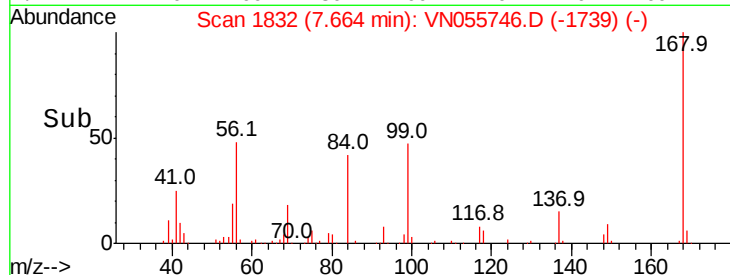
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50000

0

7.50 7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 42.008 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN055746.D

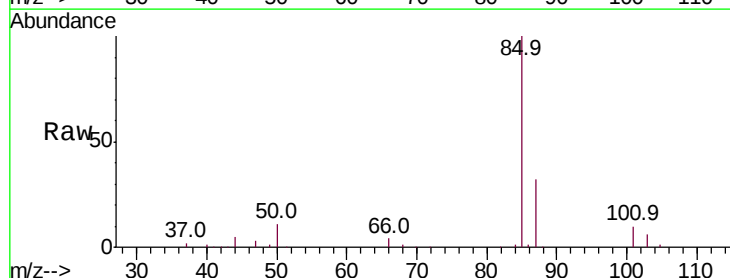
Acq: 23 May 2019 10:35

Tgt Ion: 85 Resp: 112921

Ion Ratio Lower Upper

85 100

87 32.2 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN055746.D (-13) (-)

Ion 86.90 (86.60 to 87.60): VN055746.D (-13) (-)

1.85

80000

60000

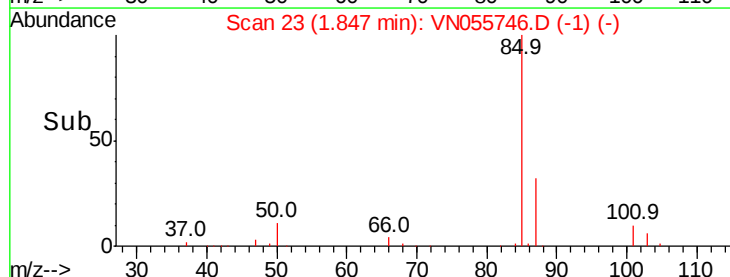
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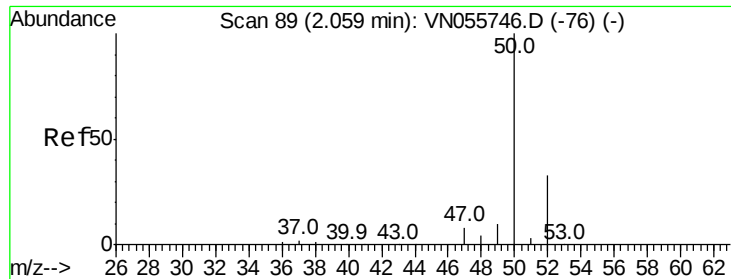
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0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 44.865 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN055746.D

Acq: 23 May 2019 10:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 50 Resp: 162659

Ion Ratio Lower Upper

50 100

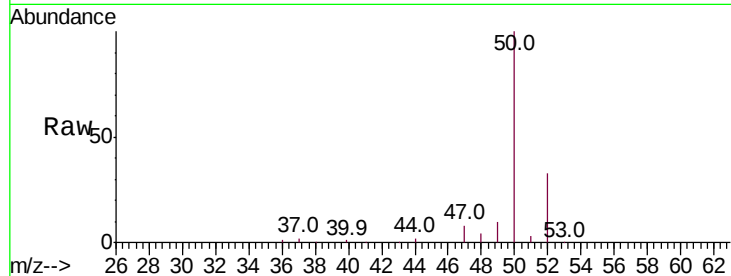
52 33.3 26.6 40.0

Manual Integrations

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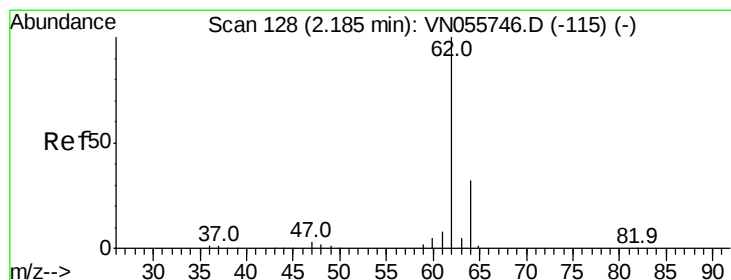
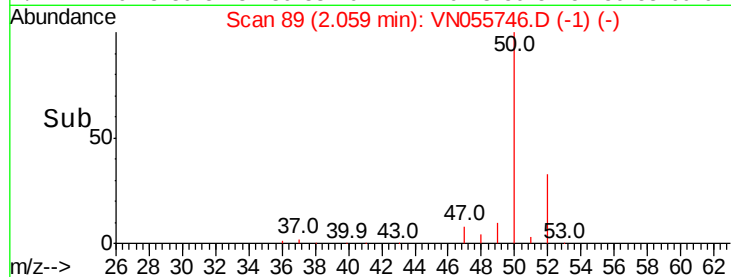
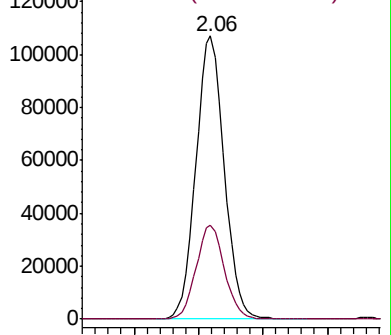
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Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 44.027 ug/l

RT: 2.18 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN055746.D

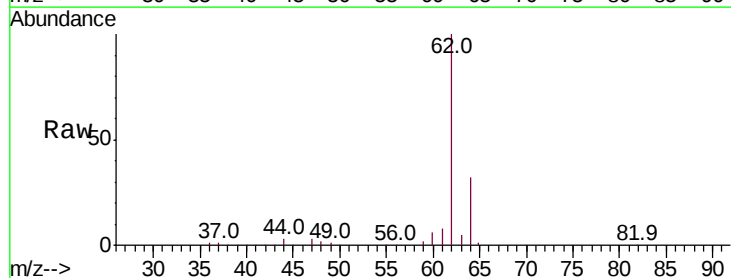
Acq: 23 May 2019 10:35

Tgt Ion: 62 Resp: 172178

Ion Ratio Lower Upper

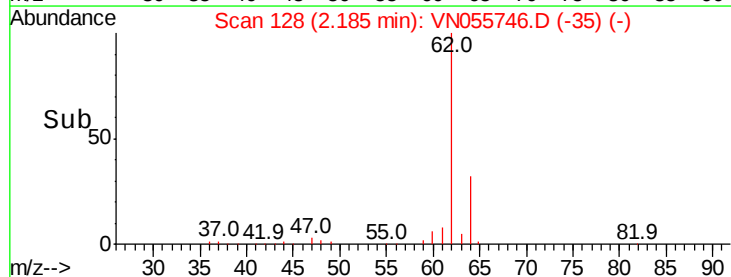
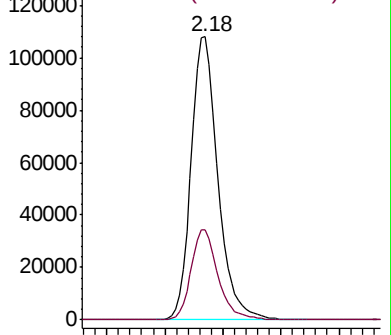
62 100

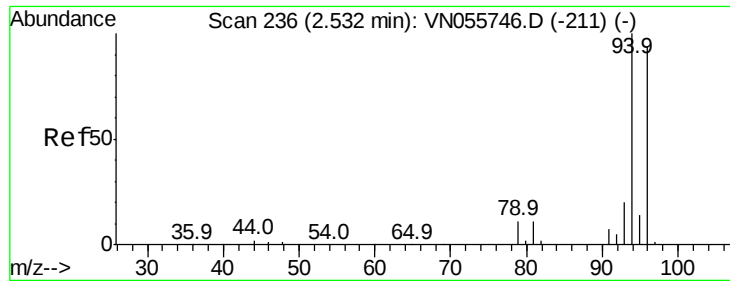
64 32.0 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





#5

Bromomethane

Concen: 46.505 ug/l m

RT: 2.53 min Scan# 236

Delta R.T. 0.00 min

Lab File: VN055746.D

Acq: 23 May 2019 10:35

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 116442

Ion Ratio Lower Upper

94 100

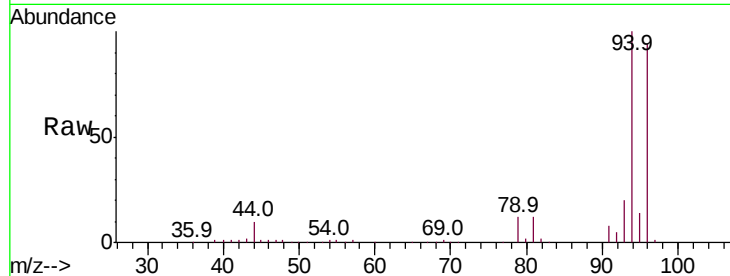
96 94.4 75.5 113.3

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.53

60000

50000

40000

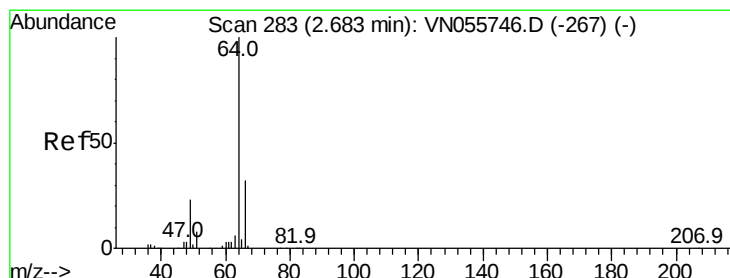
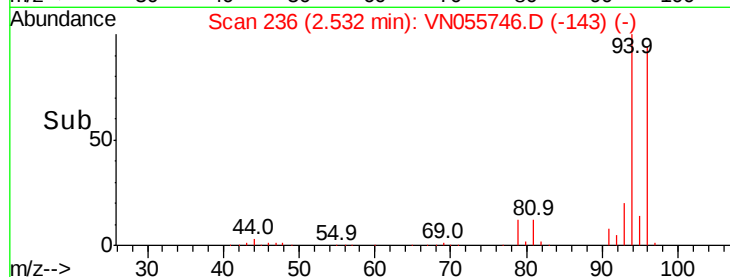
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Time-->



#6

Chloroethane

Concen: 49.212 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN055746.D

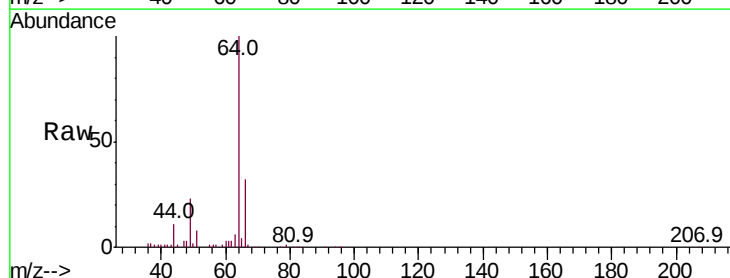
Acq: 23 May 2019 10:35

Tgt Ion: 64 Resp: 108092

Ion Ratio Lower Upper

64 100

66 31.7 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.68

50000

40000

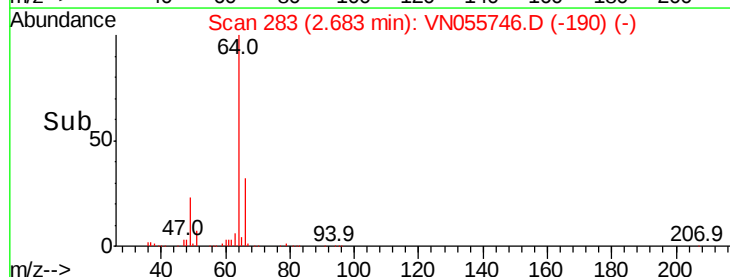
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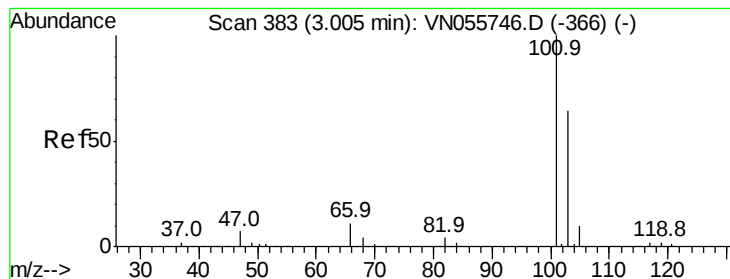
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10000

0

Time-->





#7

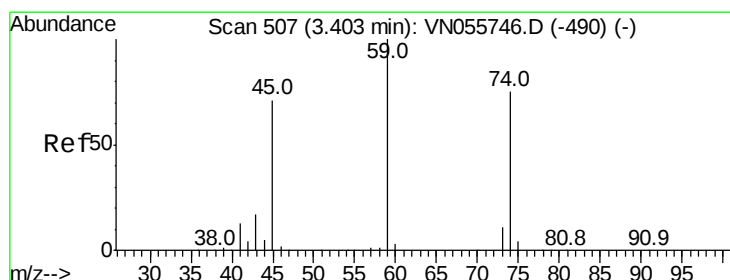
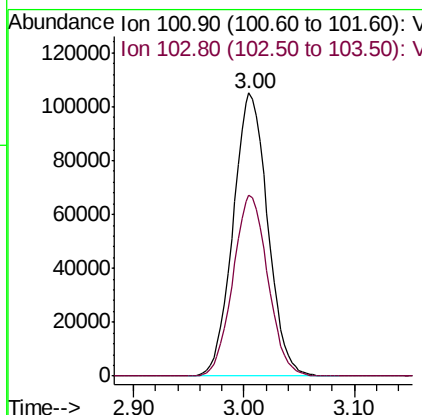
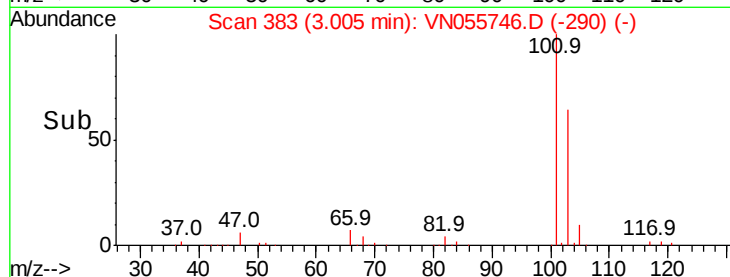
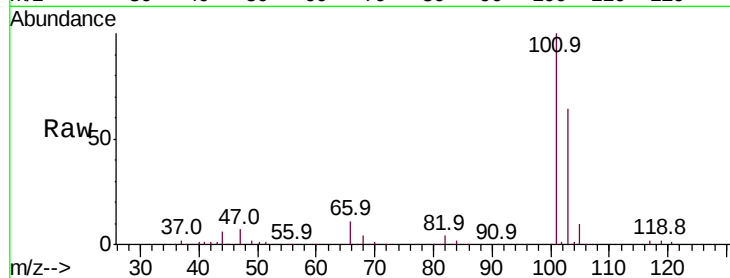
Trichlorofluoromethane
Concen: 45.528 ug/l
RT: 3.00 min Scan# 383
Delta R.T. 0.00 min
Lab File: VN055746.D
Acq: 23 May 2019 10:35

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.0	51.2	76.8

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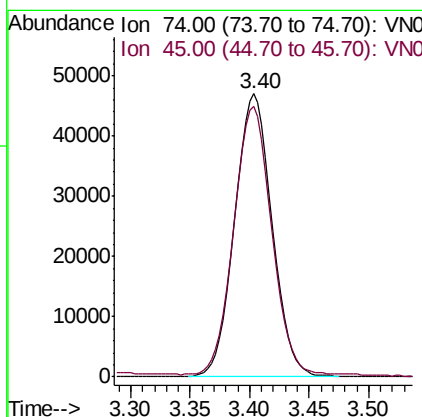
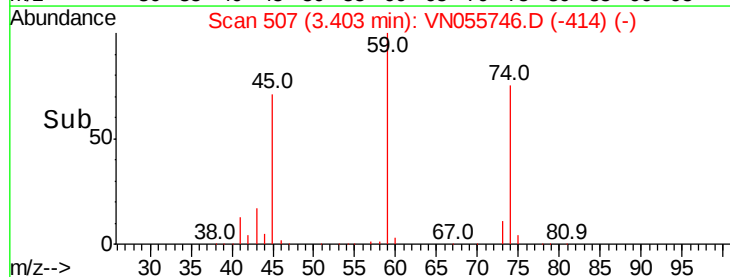
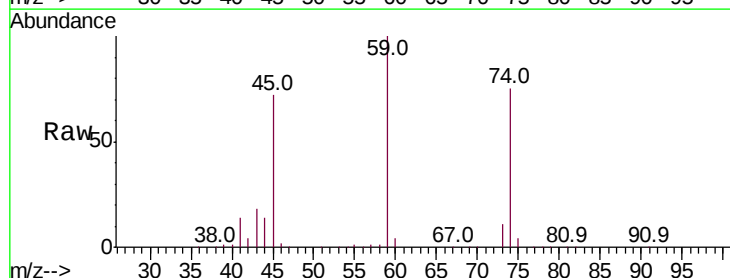
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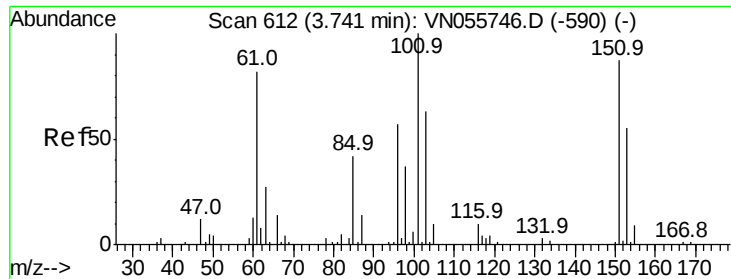


#8

Diethyl Ether
Concen: 50.255 ug/l
RT: 3.40 min Scan# 507
Delta R.T. 0.00 min
Lab File: VN055746.D
Acq: 23 May 2019 10:35

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.3	48.6	145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.359 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.00 min

Lab File: VN055746.D

Acq: 23 May 2019 10:35

Instrument :

MSVOA_N

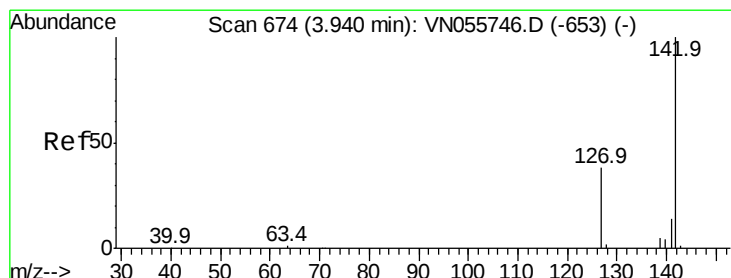
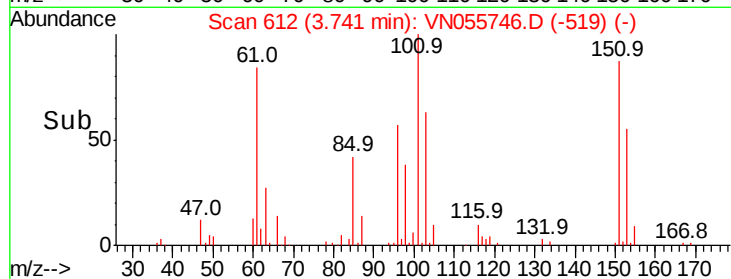
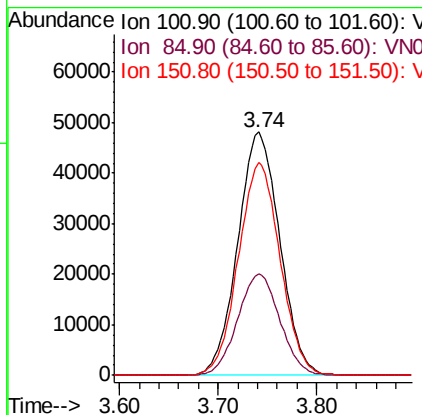
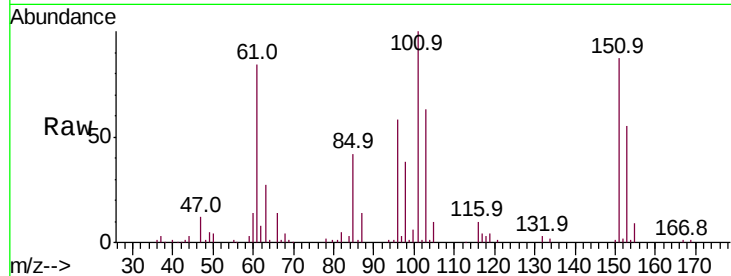
ClientSampleId :

VSTDICCC050

Tot Ion:	101	Resp:	142026
Ion Ratio	Lower	Upper	
101	100		
85	41.8	33.4	50.2
151	86.8	69.4	104.2

Manual Integrations
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#10

Methyl Iodide

Concen: 50.168 ug/l

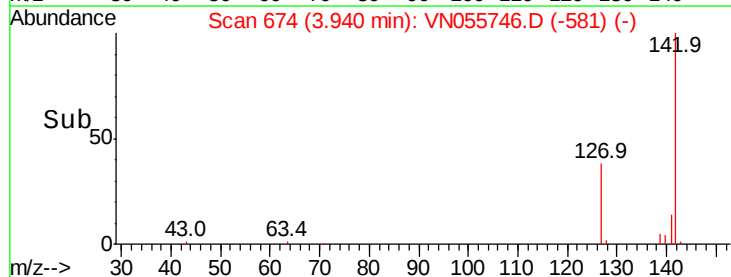
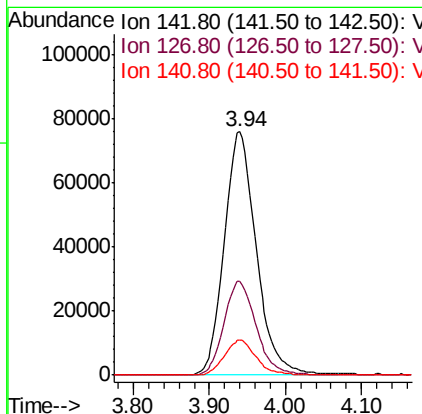
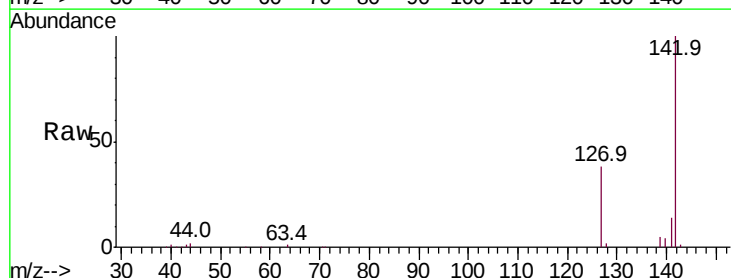
RT: 3.94 min Scan# 674

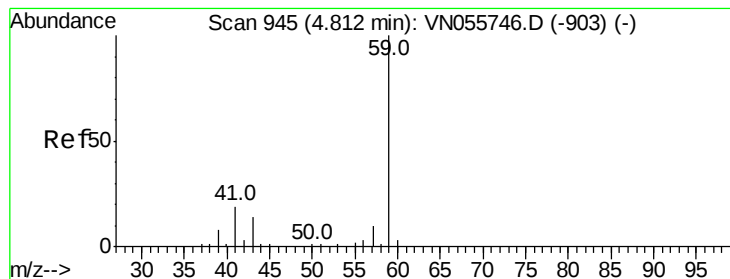
Delta R.T. 0.00 min

Lab File: VN055746.D

Acq: 23 May 2019 10:35

Tgt Ion:	142	Resp:	223085
Ion Ratio	Lower	Upper	
142	100		
127	38.7	31.0	46.4
141	14.2	11.4	17.0





#11

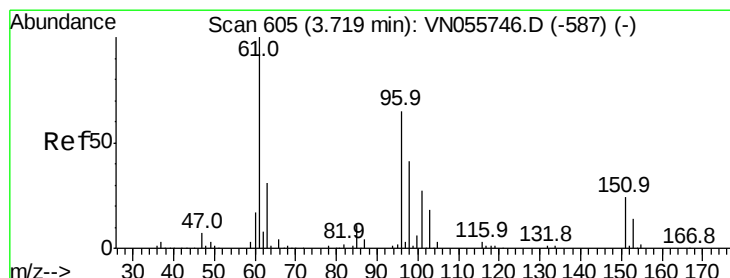
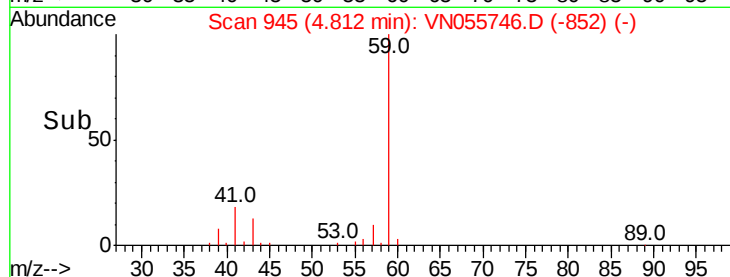
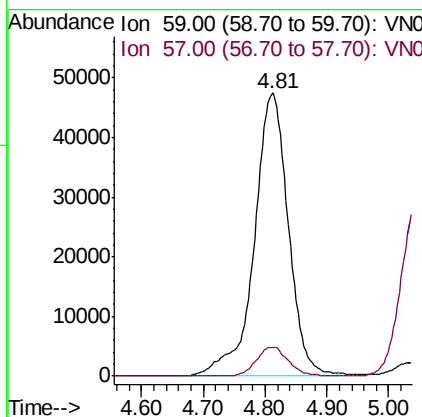
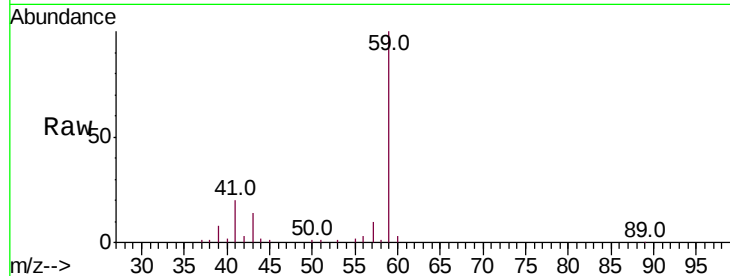
Tert butyl alcohol
 Concen: 250.170 ug/l
 RT: 4.81 min Scan# 945
 Delta R.T. 0.00 min
 Lab File: VN055746.D
 Acq: 23 May 2019 10:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	59	57	Ratio	100	9.7	Resp	181795	Lower	7.8	Upper	11.6
Ion	59	57	Ratio	100	9.7	Resp	181795	Lower	7.8	Upper	11.6

Manual Integrations
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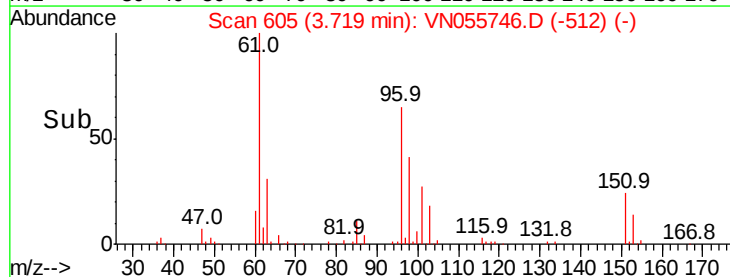
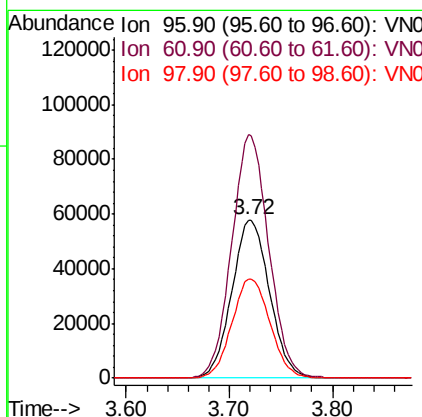
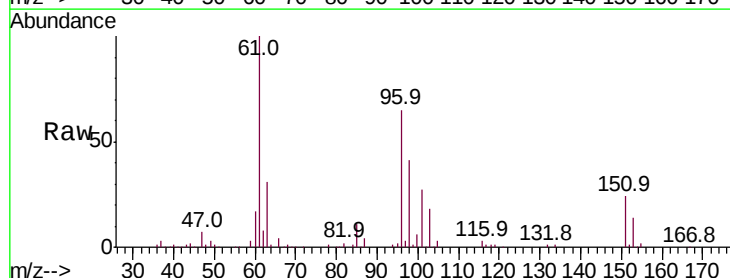
MMDadoda
 5/24/2019 9:22:04 AM

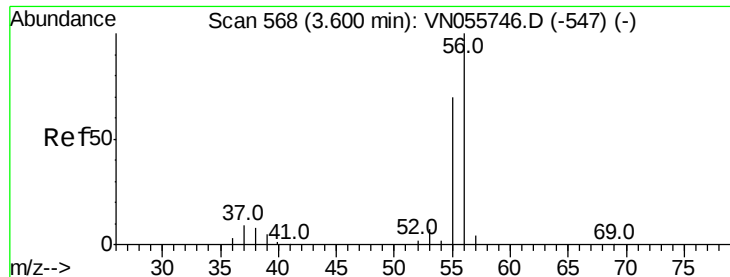


#12

1,1-Dichloroethene
 Concen: 45.619 ug/l
 RT: 3.72 min Scan# 605
 Delta R.T. 0.00 min
 Lab File: VN055746.D
 Acq: 23 May 2019 10:35

Tgt Ion	96	61	98	Ratio	100	154.0	63.0	Resp	147107	Lower	123.2	Upper	184.8	75.6
Ion	96	61	98	Ratio	100	154.0	63.0	Resp	147107	Lower	123.2	Upper	184.8	75.6





#13

Acrolein

Concen: 288.885 ug/l

RT: 3.60 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN055746.D

Acq: 23 May 2019 10:35

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tot Ion: 56 Resp: 120749

Ion Ratio Lower Upper

56 100

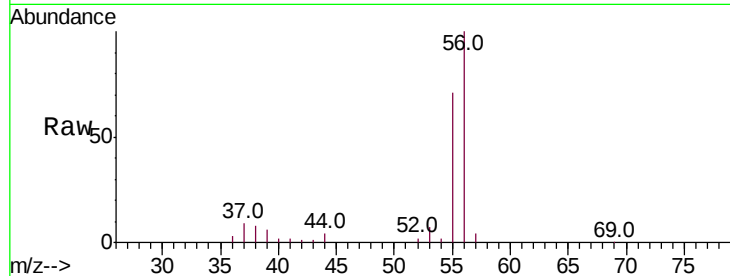
55 69.3 55.4 83.2

Manual Integrations

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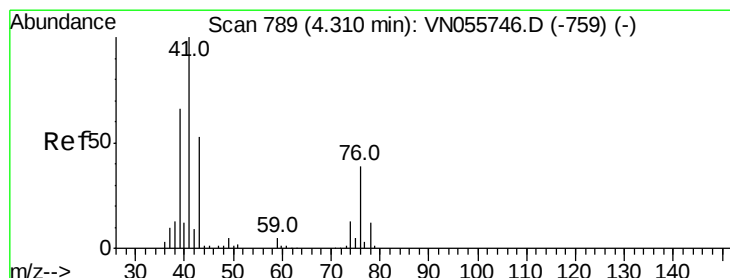
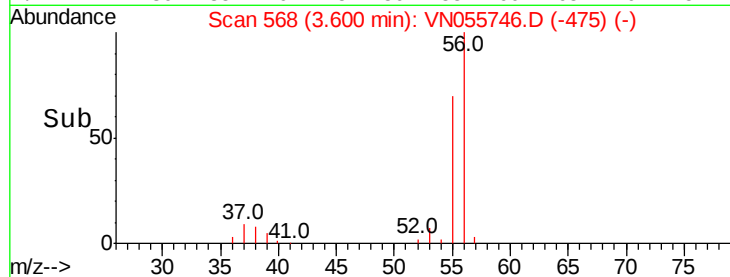
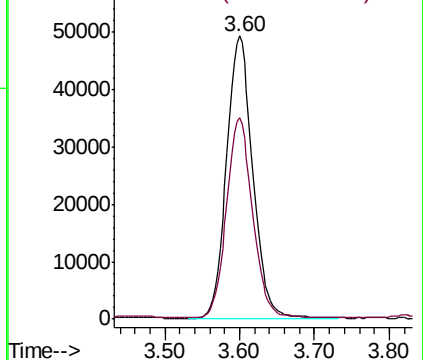
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VNC

Ion 55.00 (54.70 to 55.70): VNC



#14

Allyl chloride

Concen: 48.409 ug/l

RT: 4.31 min Scan# 789

Delta R.T. 0.00 min

Lab File: VN055746.D

Acq: 23 May 2019 10:35

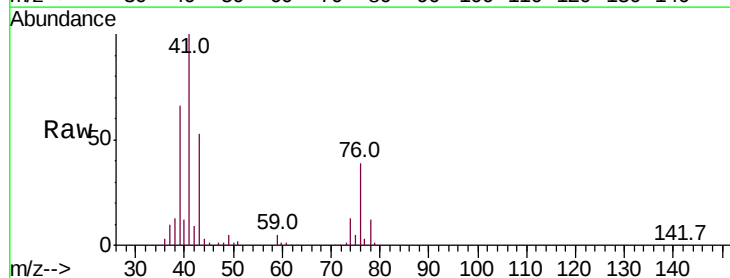
Tgt Ion: 41 Resp: 252358

Ion Ratio Lower Upper

41 100

39 62.5 50.0 75.0

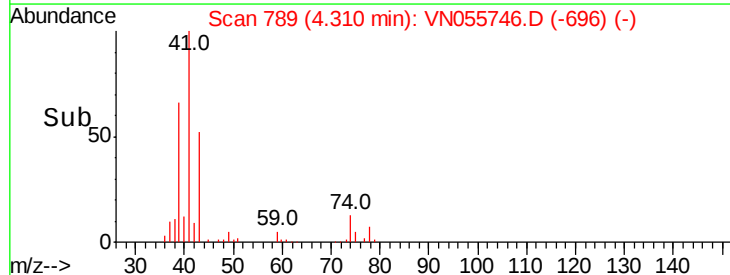
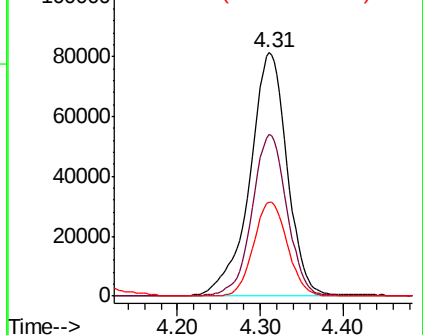
76 35.2 28.2 42.2



Abundance Ion 41.00 (40.70 to 41.70): VNC

Ion 39.00 (38.70 to 39.70): VNC

Ion 75.90 (75.60 to 76.60): VNC





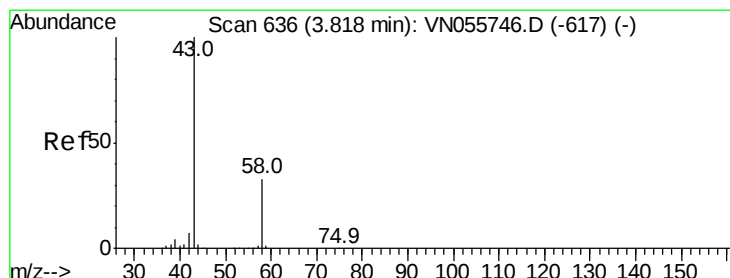
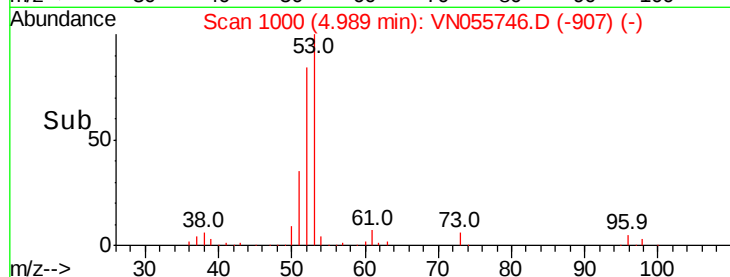
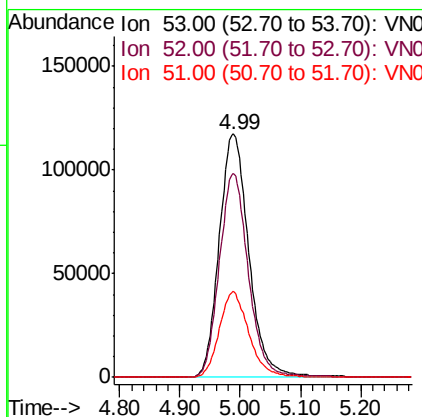
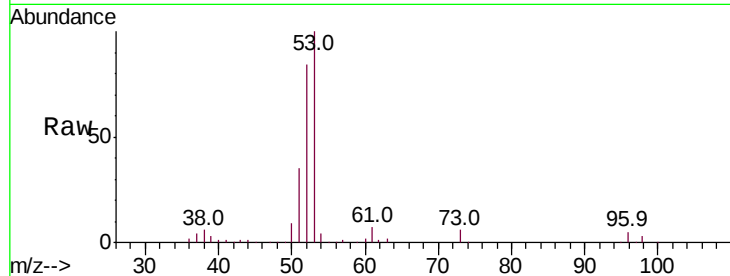
#15
 Acrylonitrile
 Concen: 247.936 ug/l
 RT: 4.99 min Scan# 1000
 Delta R.T. 0.00 min
 Lab File: VN055746.D
 Acq: 23 May 2019 10:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
53	100		
52	82.3	65.8	98.8
51	35.3	28.2	42.4

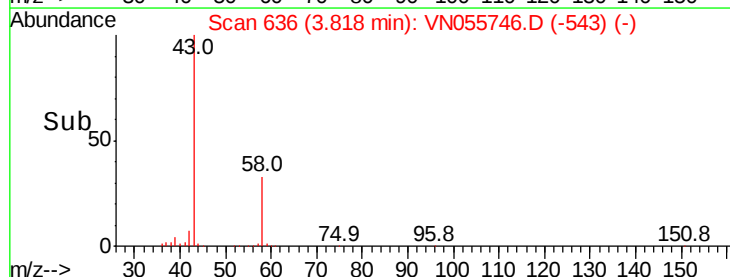
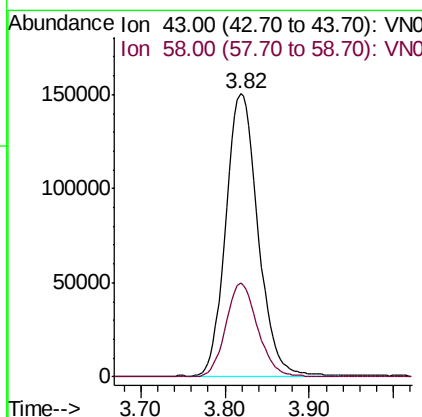
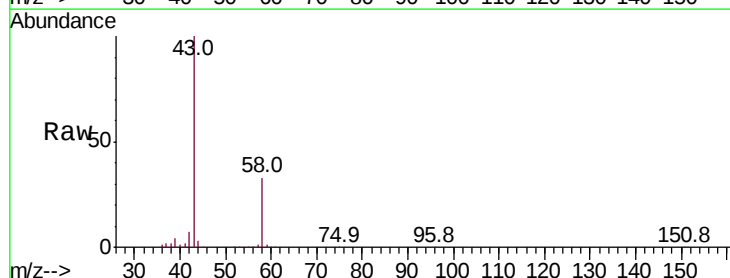
Manual Integrations
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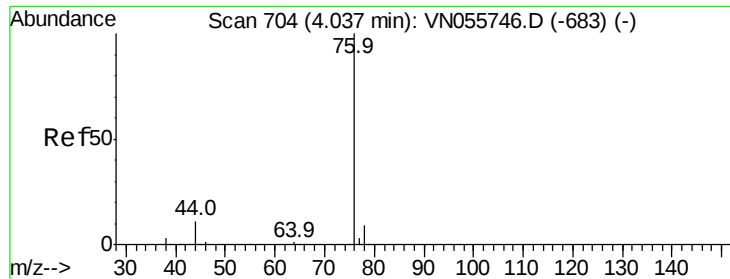
MMDadoda
 5/24/2019 9:22:04 AM



#16
 Acetone
 Concen: 248.844 ug/l
 RT: 3.82 min Scan# 636
 Delta R.T. 0.00 min
 Lab File: VN055746.D
 Acq: 23 May 2019 10:35

Tgt Ion	Ratio	Lower	Upper
43	100		
58	33.2	26.6	39.8





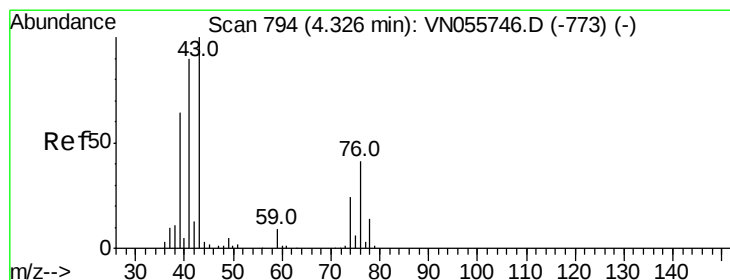
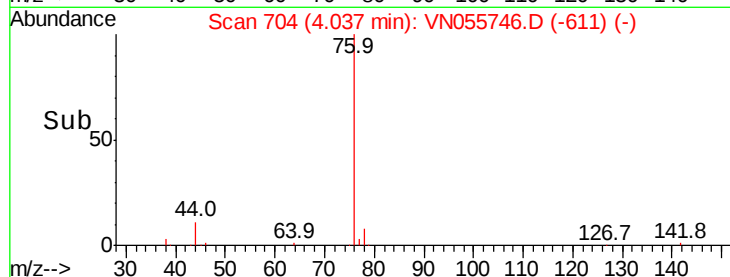
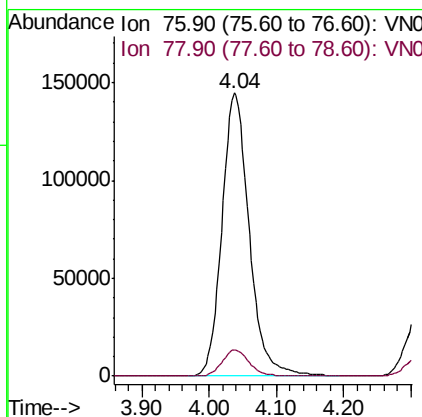
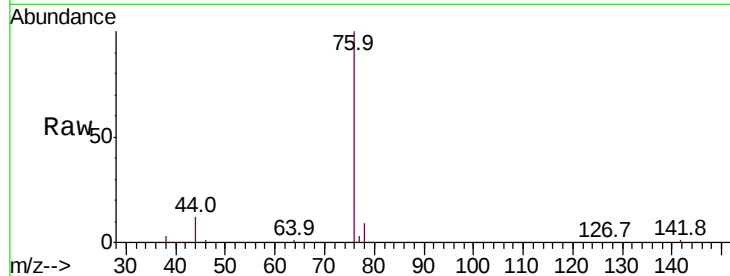
#17
Carbon Disulfide
Concen: 45.540 ug/l
RT: 4.04 min Scan# 704
Delta R.T. 0.00 min
Lab File: VN055746.D
Acq: 23 May 2019 10:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.4	11.2

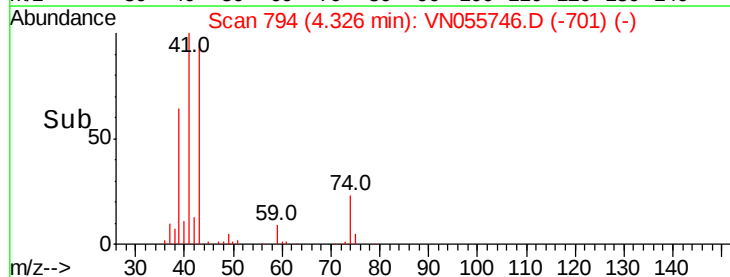
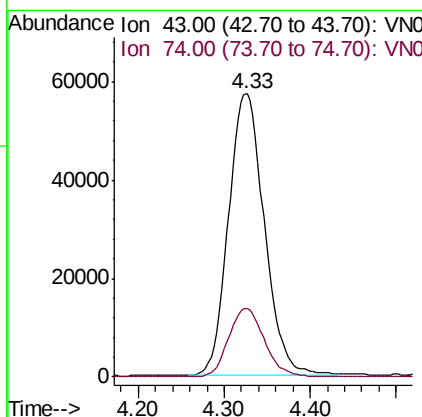
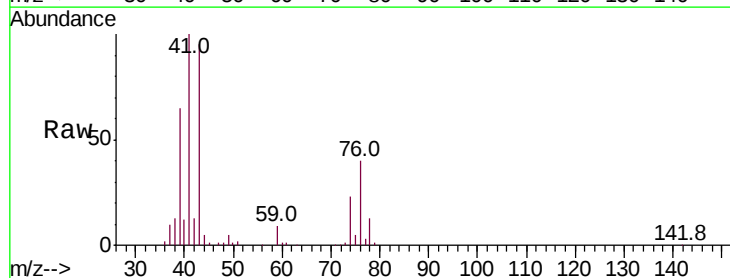
Manual Integrations
APPROVED

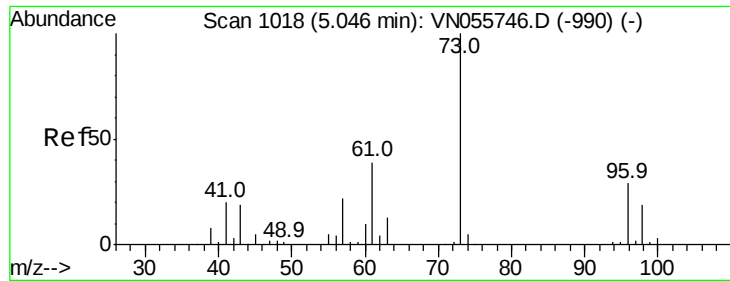
MMDadoda
5/24/2019 9:22:04 AM



#18
Methyl Acetate
Concen: 48.815 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN055746.D
Acq: 23 May 2019 10:35

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.1	19.3	28.9





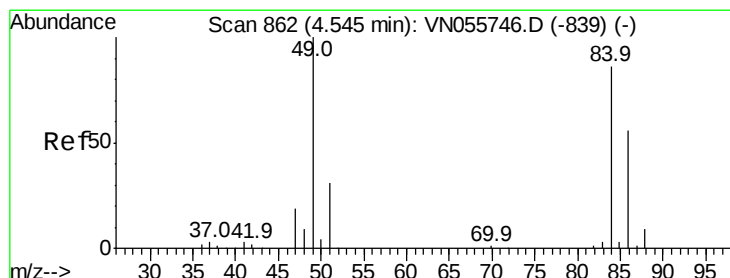
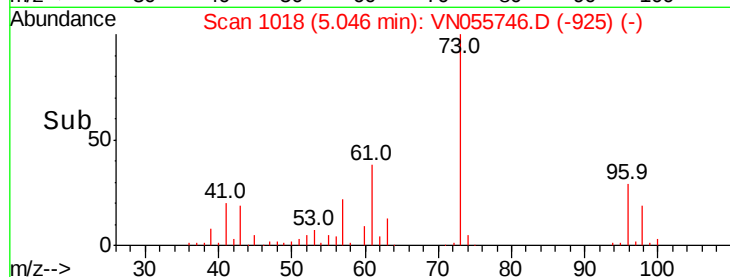
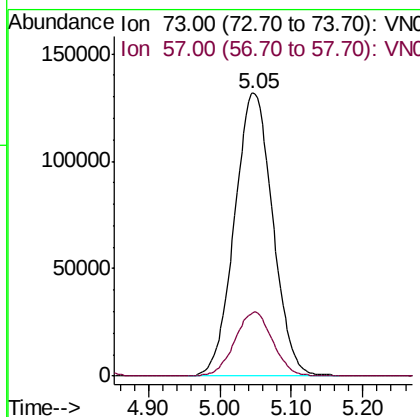
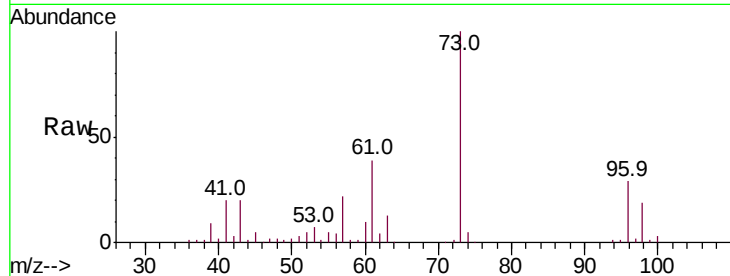
#19
Methyl tert-butyl Ether
Concen: 46.179 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN055746.D
Acq: 23 May 2019 10:35

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion: 73 Resp: 491391
Ion Ratio Lower Upper
73 100
57 22.3 17.8 26.8

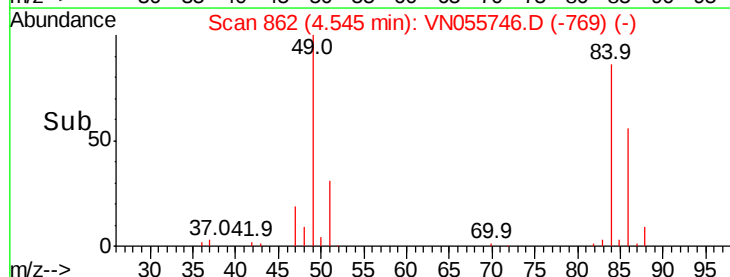
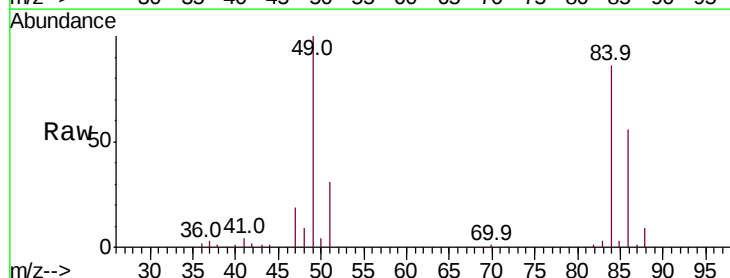
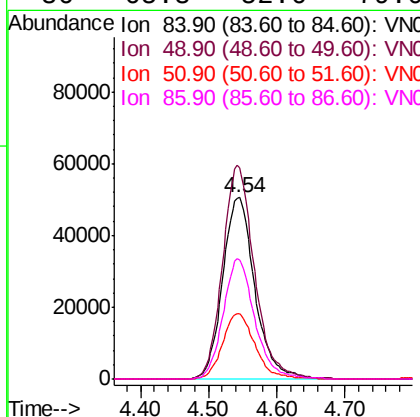
Manual Integrations
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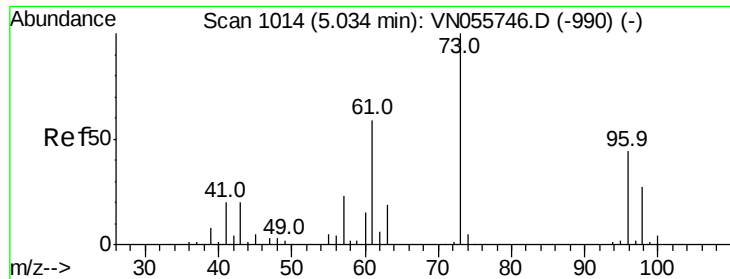
MMDadoda
5/24/2019 9:22:04 AM



#20
Methylene Chloride
Concen: 45.991 ug/l
RT: 4.54 min Scan# 862
Delta R.T. 0.00 min
Lab File: VN055746.D
Acq: 23 May 2019 10:35

Tgt Ion: 84 Resp: 166038
Ion Ratio Lower Upper
84 100
49 116.9 93.5 140.3
51 35.8 28.6 43.0
86 65.8 52.6 79.0





#21

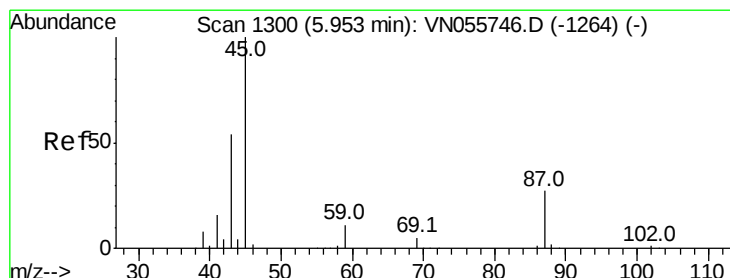
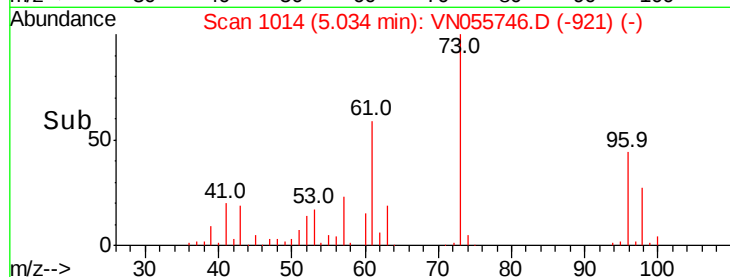
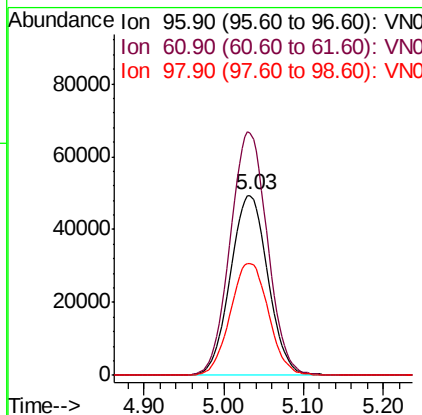
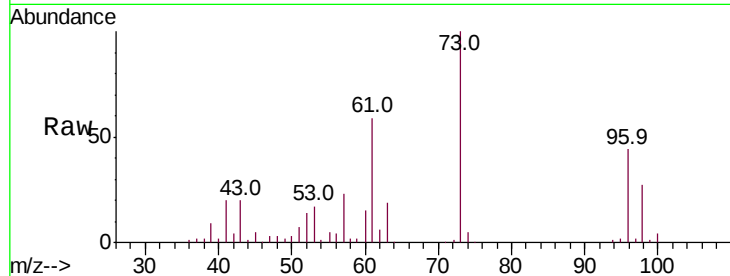
trans-1,2-Dichloroethene
Concen: 45.890 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. 0.00 min
Lab File: VN055746.D
Acq: 23 May 2019 10:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	134.8	107.8	161.8
98	62.3	49.8	74.8

Manual Integrations
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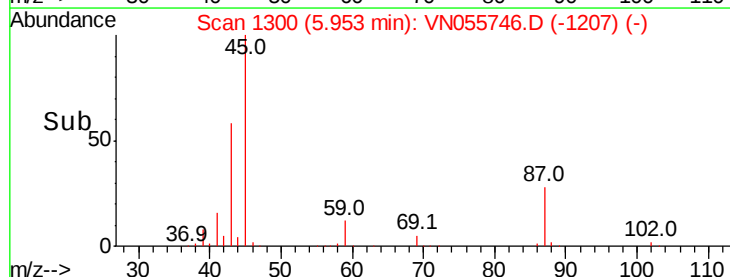
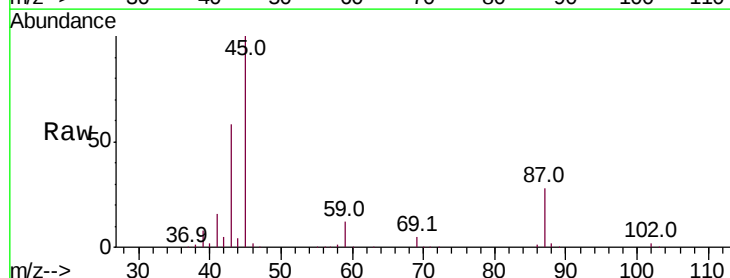
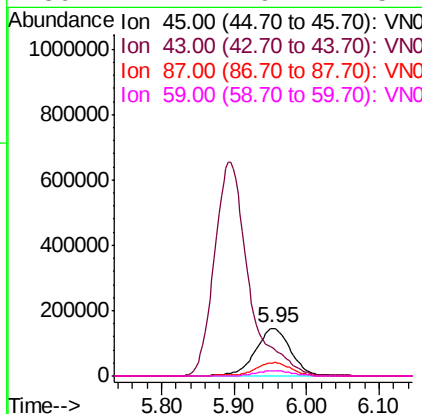
MMDadoda
5/24/2019 9:22:04 AM

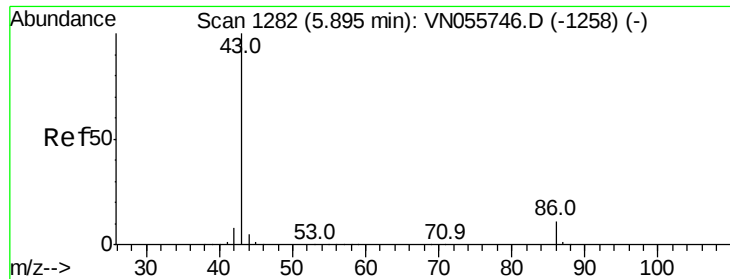


#22

Diisopropyl ether
Concen: 47.748 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN055746.D
Acq: 23 May 2019 10:35

Tgt Ion	Ratio	Lower	Upper
45	100		
43	56.3	45.0	67.6
87	27.8	22.2	33.4
59	11.4	9.1	13.7





#23

Vinyl Acetate

Concen: 245.322 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN055746.D

Acq: 23 May 2019 10:35

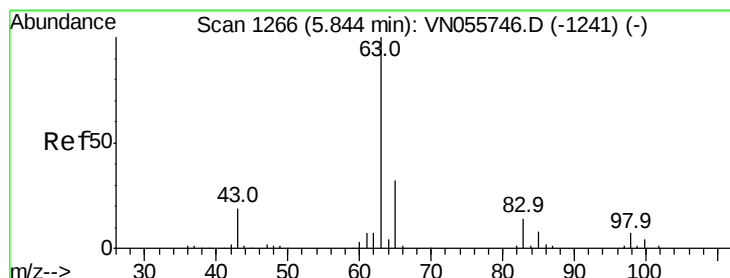
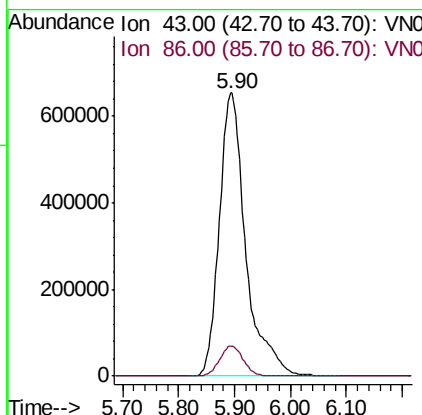
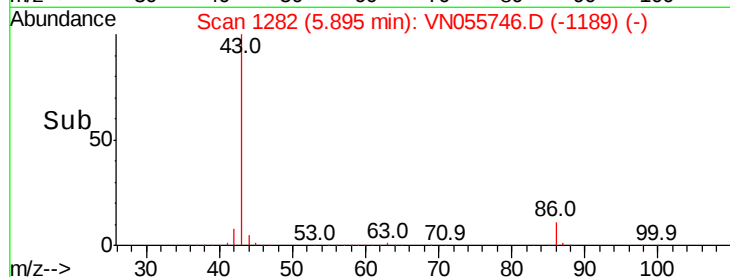
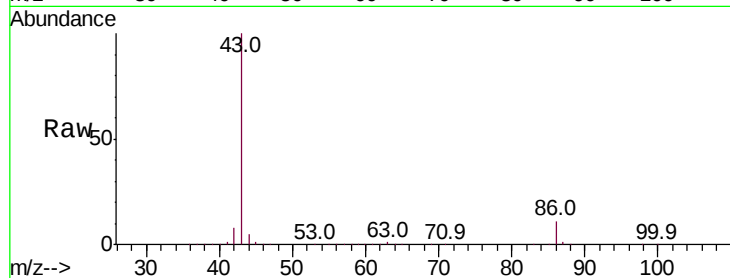
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 2157015

Ion	Ratio	Lower	Upper
43	100		
86	10.8	8.6	13.0

Manual Integrations
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MMDadoda
5/24/2019 9:22:04 AM



#24

1,1-Dichloroethane

Concen: 46.891 ug/l

RT: 5.84 min Scan# 1266

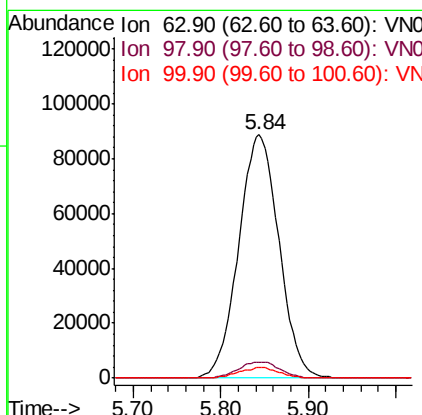
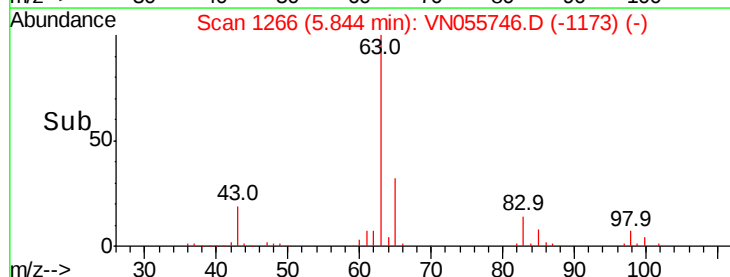
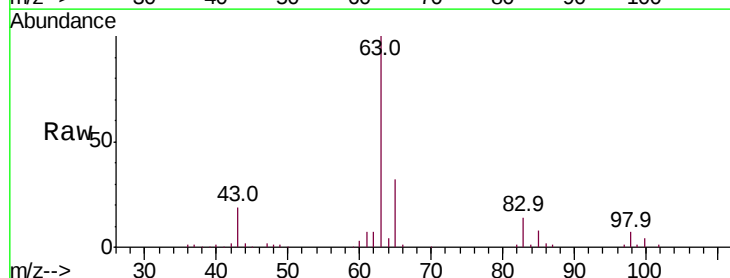
Delta R.T. 0.00 min

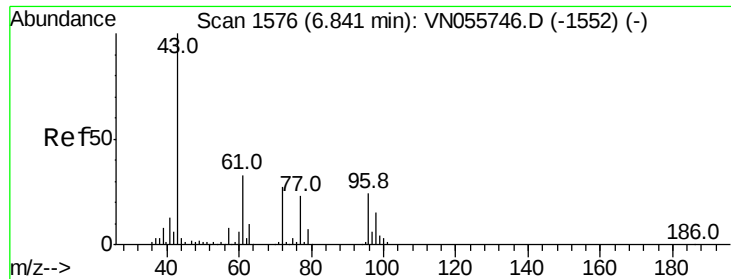
Lab File: VN055746.D

Acq: 23 May 2019 10:35

Tgt Ion: 63 Resp: 283092

Ion	Ratio	Lower	Upper
63	100		
98	6.7	3.4	10.1
100	4.4	2.2	6.6





#25

2-Butanone

Concen: 250.887 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VN055746.D

Acq: 23 May 2019 10:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 557966

Ion Ratio Lower Upper

43 100

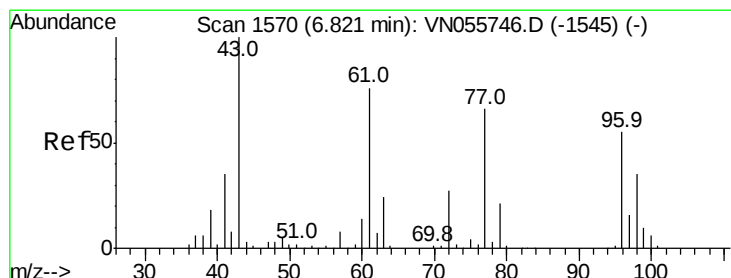
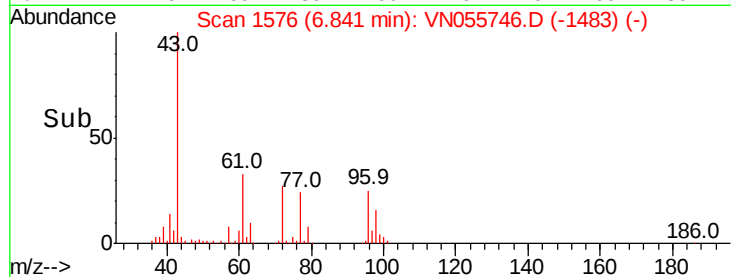
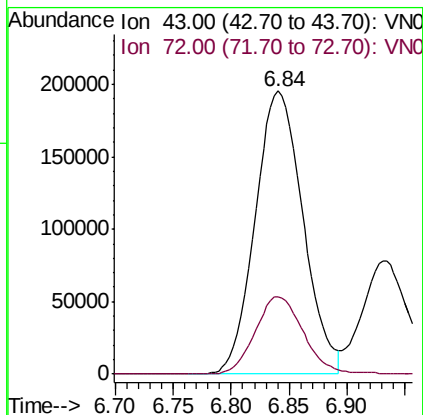
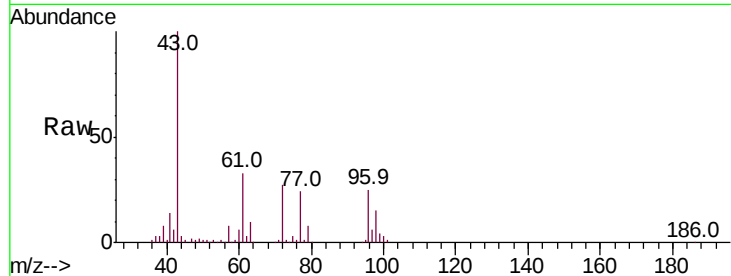
72 27.4 21.9 32.9

Manual Integrations

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5/24/2019 9:22:04 AM



#26

2,2-Dichloropropane

Concen: 44.884 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. 0.00 min

Lab File: VN055746.D

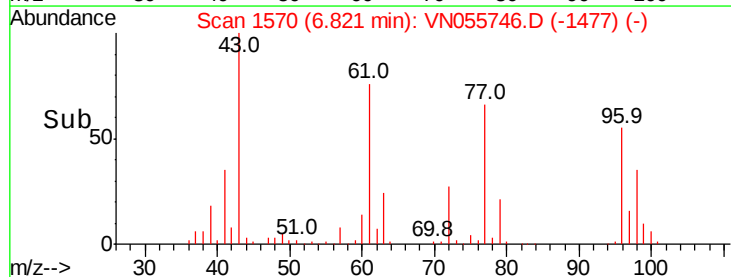
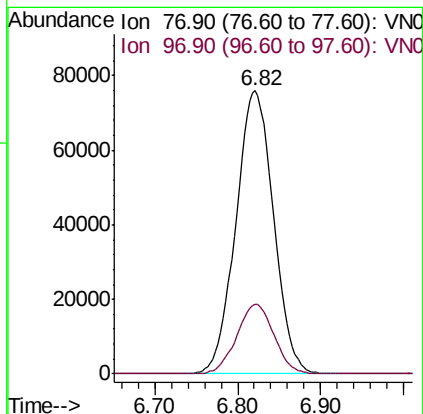
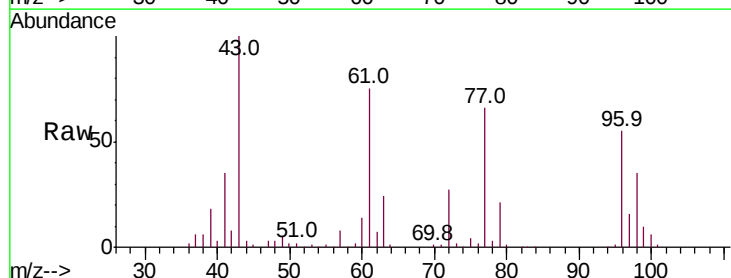
Acq: 23 May 2019 10:35

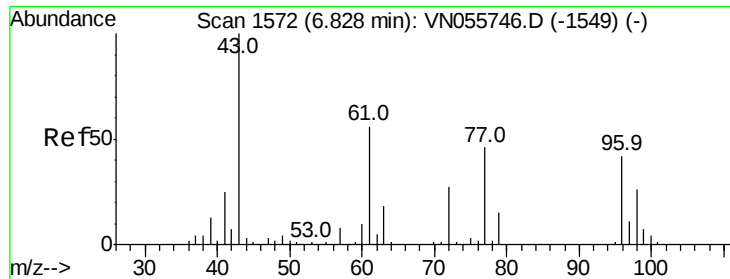
Tgt Ion: 77 Resp: 239990

Ion Ratio Lower Upper

77 100

97 24.4 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 46.672 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN055746.D

Acq: 23 May 2019 10:35

Instrument :

MSVOA_N

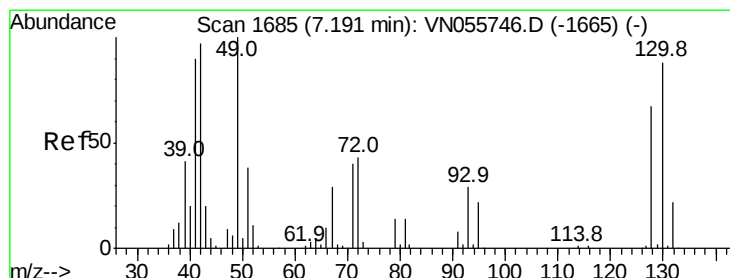
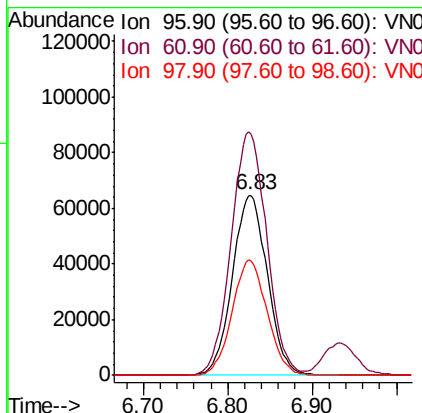
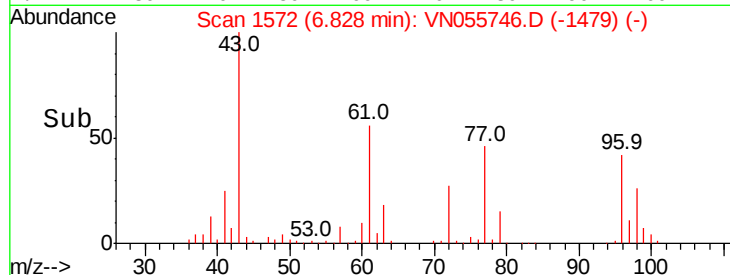
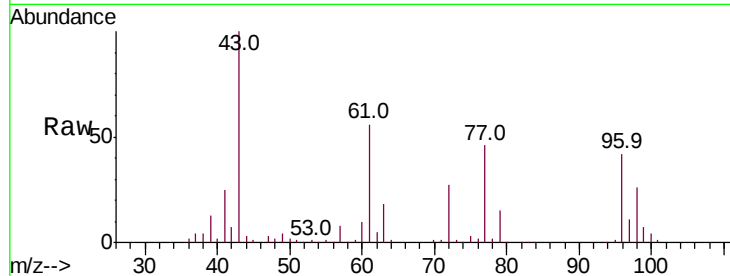
ClientSampleId :

VSTDICCC050

Tot Ion:	96	Resp:	187083
Ion	Ratio	Lower	Upper
96	100		
61	137.9	0.0	275.8
98	64.2	0.0	128.4

Manual Integrations
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#28

Bromochloromethane

Concen: 52.304 ug/l

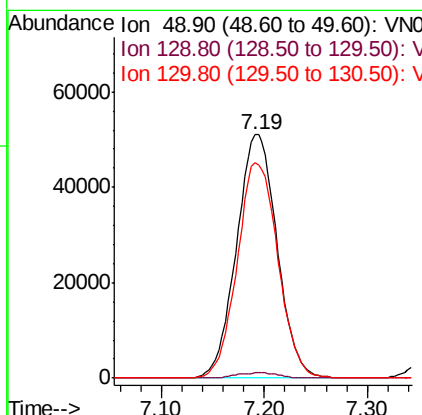
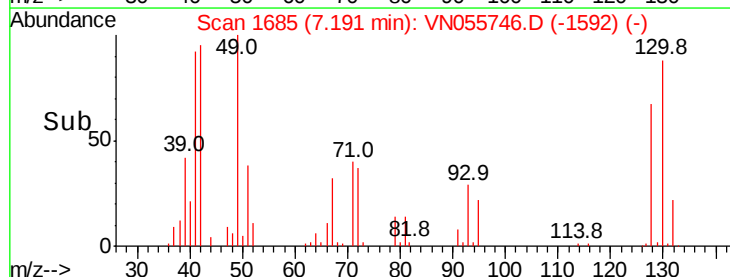
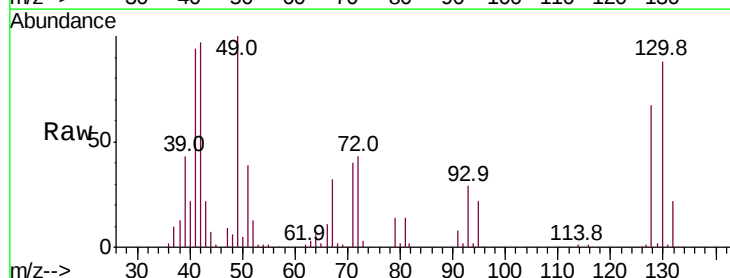
RT: 7.19 min Scan# 1685

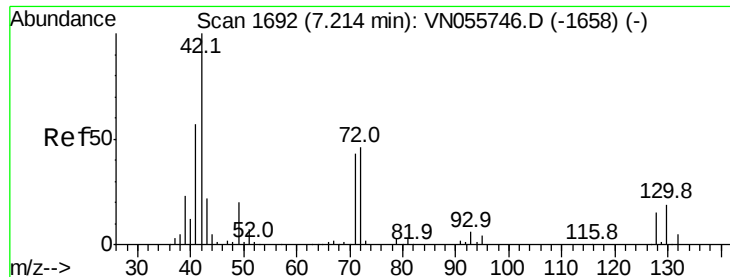
Delta R.T. 0.00 min

Lab File: VN055746.D

Acq: 23 May 2019 10:35

Tgt Ion:	49	Resp:	139431
Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.4
130	89.0	71.2	106.8





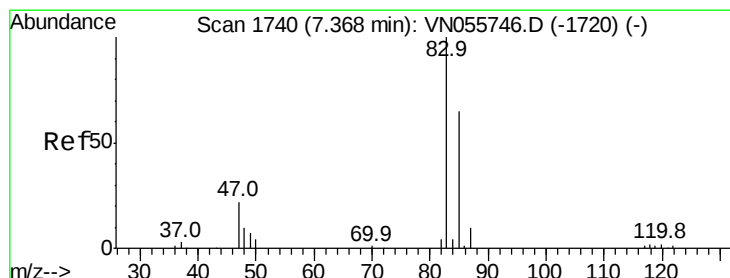
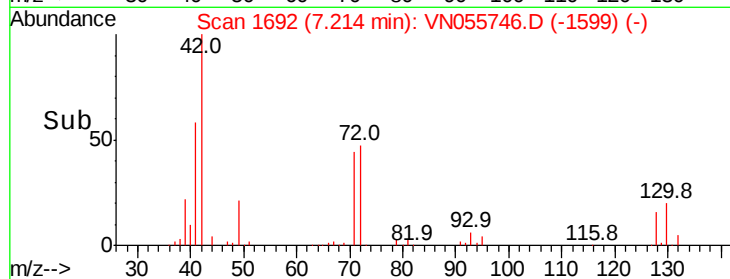
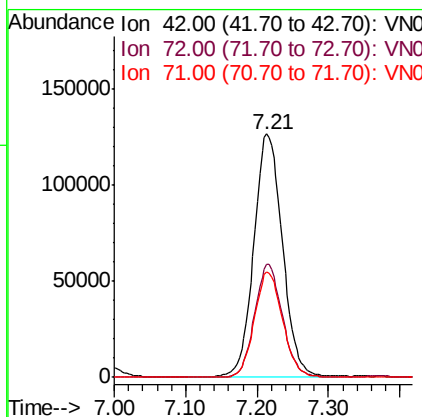
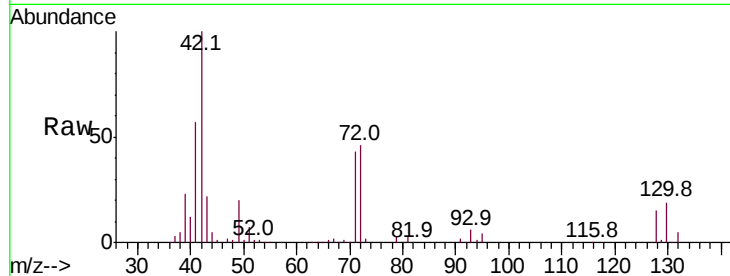
#29
Tetrahydrofuran
Concen: 240.781 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN055746.D
Acq: 23 May 2019 10:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.9	35.9	53.9
71	42.5	34.0	51.0

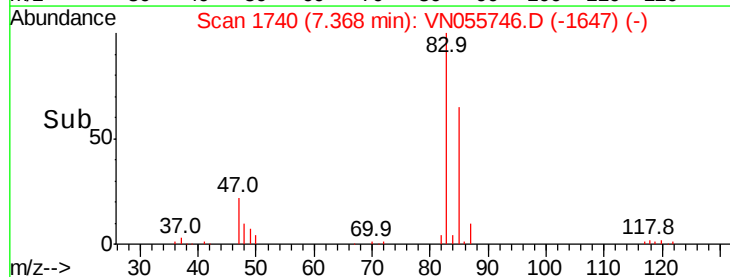
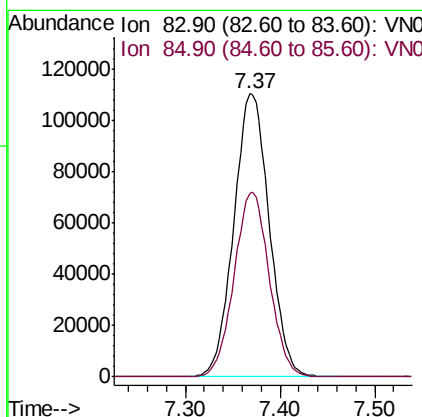
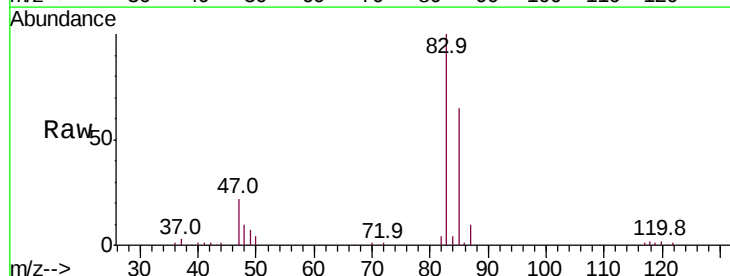
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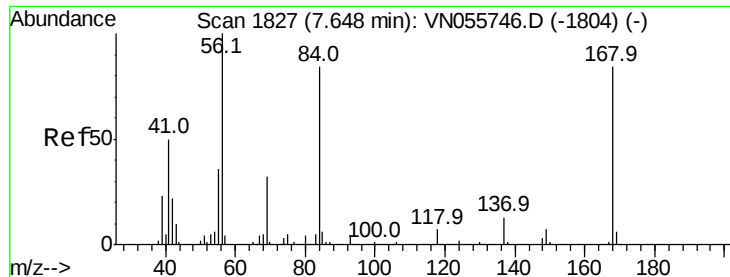
MMDadoda
5/24/2019 9:22:04 AM



#30
Chloroform
Concen: 46.194 ug/l
RT: 7.37 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VN055746.D
Acq: 23 May 2019 10:35

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	51.8	77.8





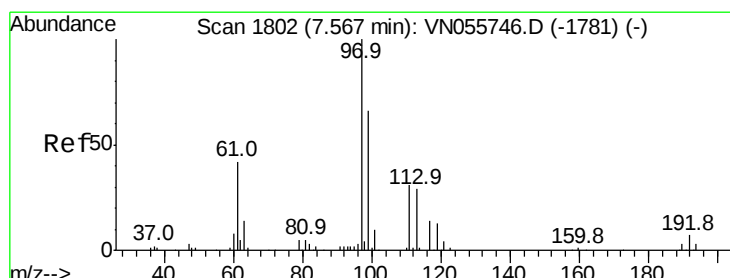
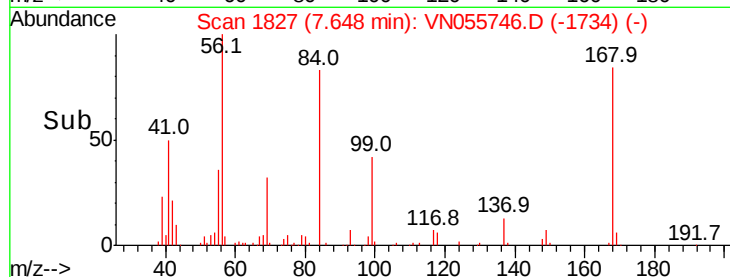
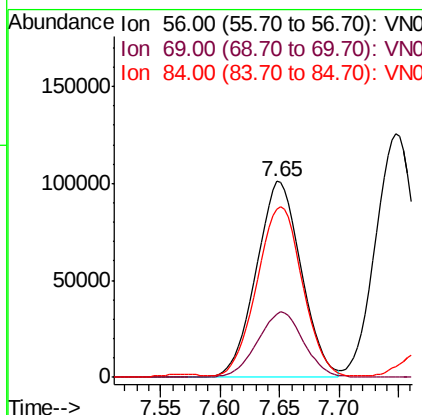
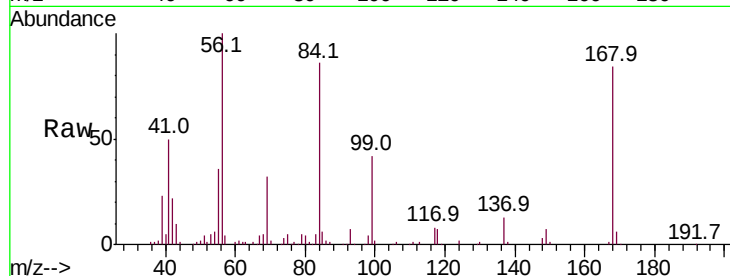
#31
Cyclohexane
Concen: 46.027 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. 0.00 min
Lab File: VN055746.D
Acq: 23 May 2019 10:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.0	25.6	38.4
84	84.2	67.4	101.0

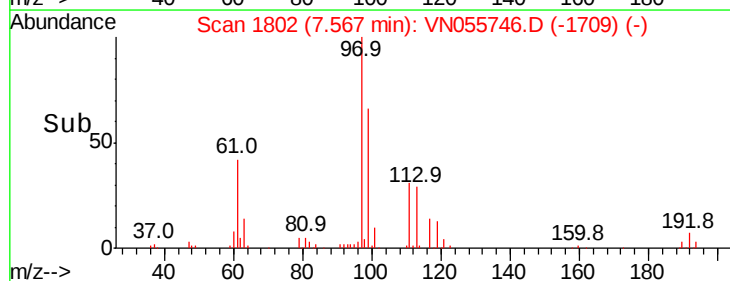
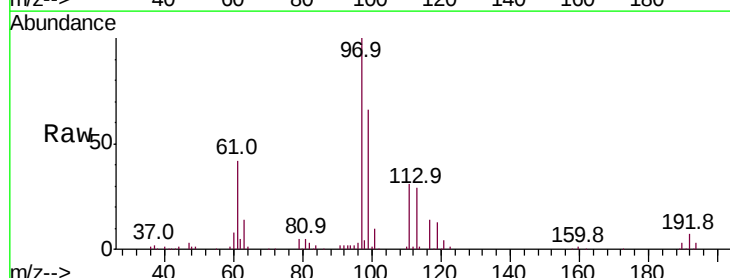
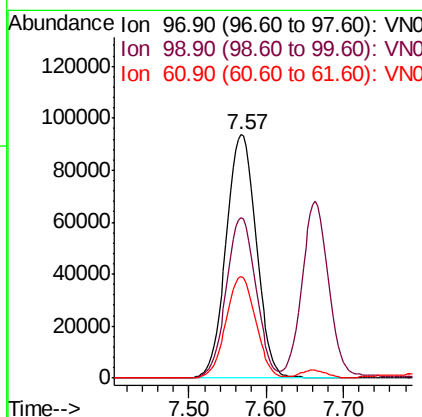
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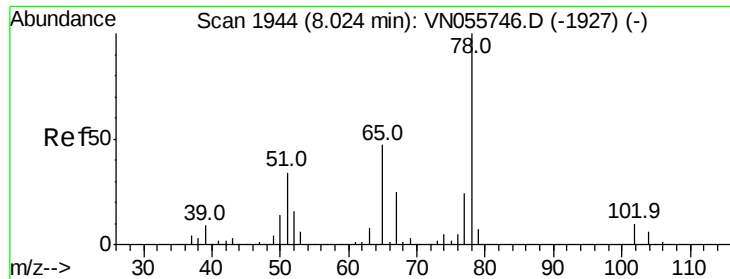
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 45.517 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VN055746.D
Acq: 23 May 2019 10:35

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.0	52.0	78.0
61	41.1	32.9	49.3





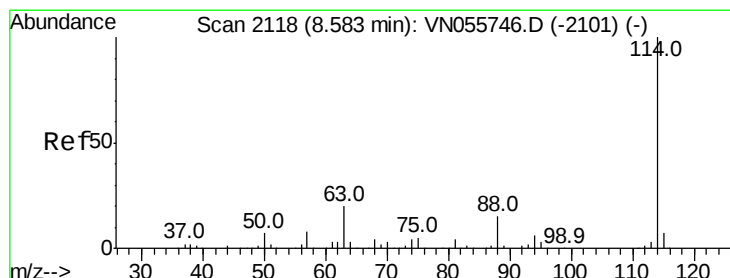
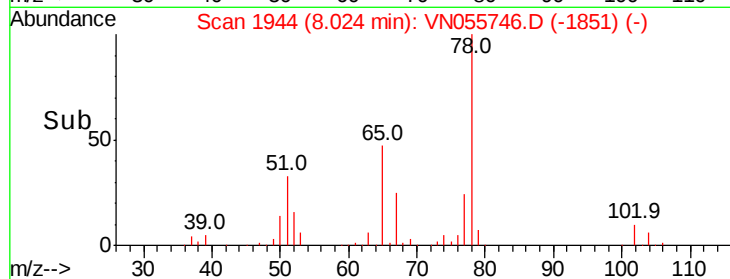
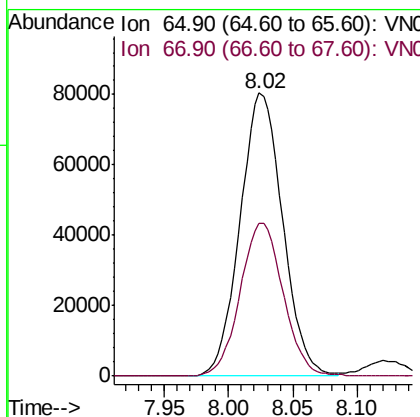
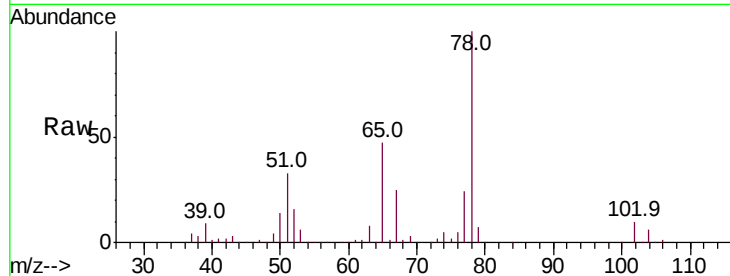
#33
 1,2-Dichloroethane-d4
 Concen: 47.933 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. 0.00 min
 Lab File: VN055746.D
 Acq: 23 May 2019 10:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	185343		
67	54.6	0.0	109.2	

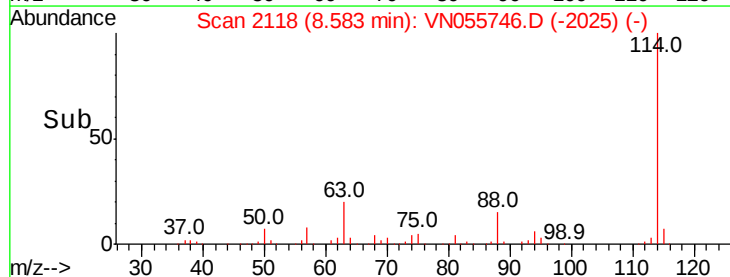
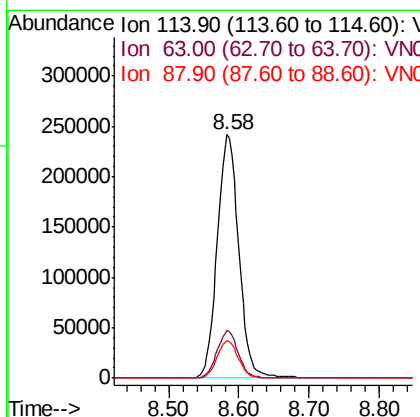
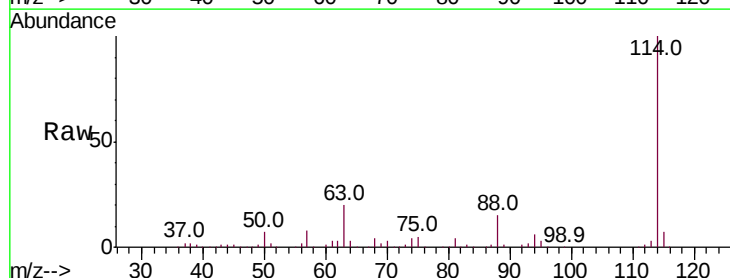
Manual Integrations
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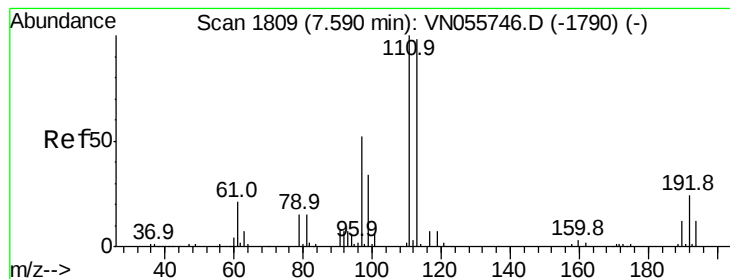
MMDadoda
 5/24/2019 9:22:04 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN055746.D
 Acq: 23 May 2019 10:35

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	515264		
63	19.6	0.0	39.2	
88	15.5	0.0	31.0	





#35

Dibromofluoromethane

Concen: 50.336 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN055746.D

Acq: 23 May 2019 10:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:113 Resp: 164475

Ion Ratio Lower Upper

113 100

111 102.4 81.9 122.9

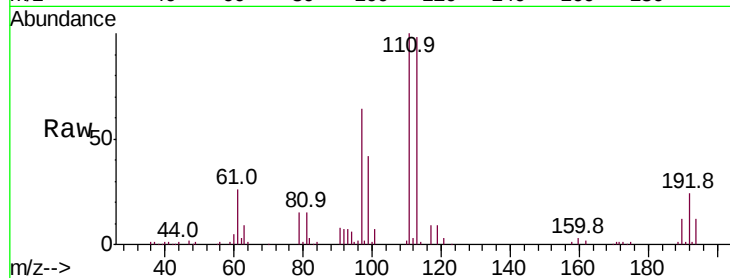
192 24.4 19.5 29.3

Manual Integrations

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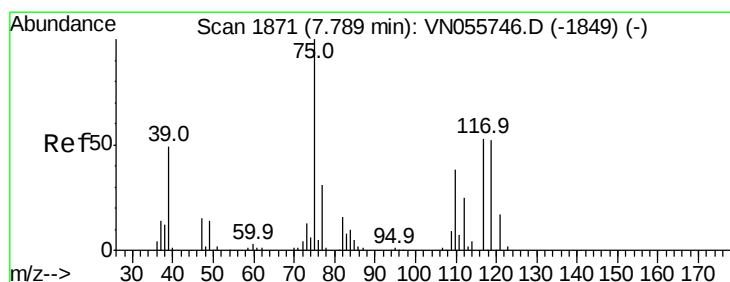
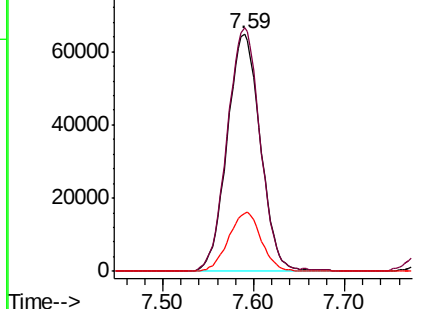
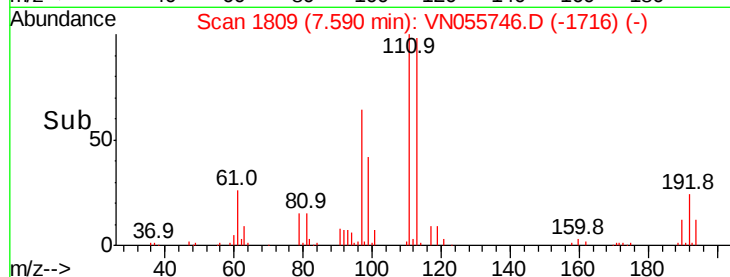
5/24/2019 9:22:04 AM



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 47.068 ug/l

RT: 7.79 min Scan# 1871

Delta R.T. 0.00 min

Lab File: VN055746.D

Acq: 23 May 2019 10:35

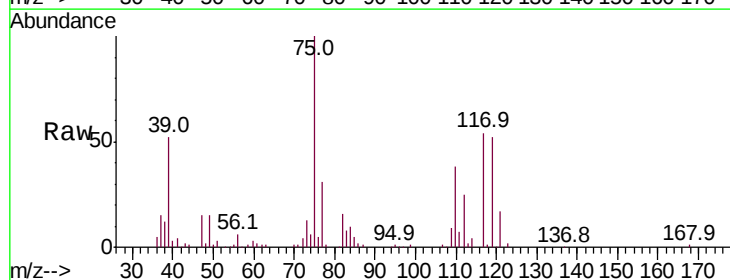
Tgt Ion: 75 Resp: 215120

Ion Ratio Lower Upper

75 100

110 38.0 19.0 57.0

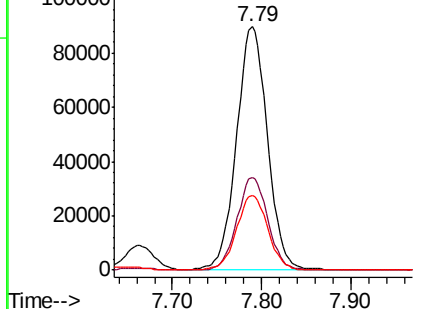
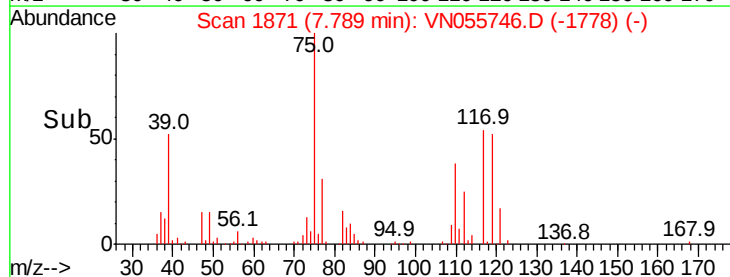
77 31.4 25.1 37.7

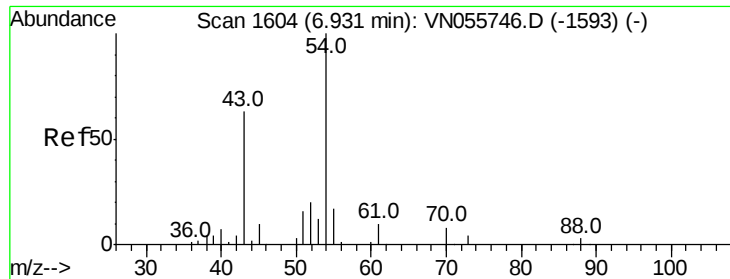


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





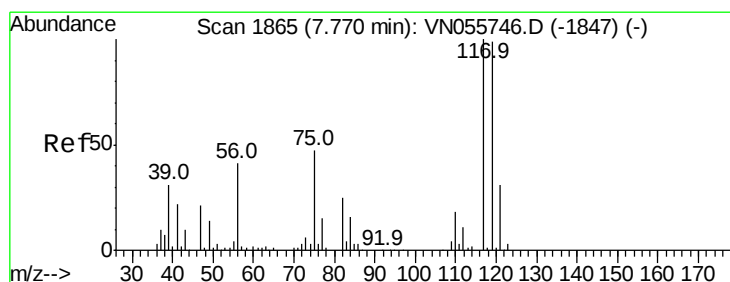
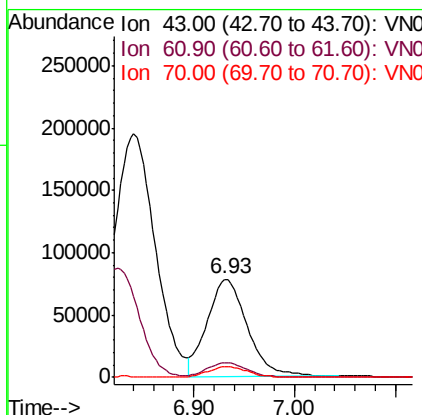
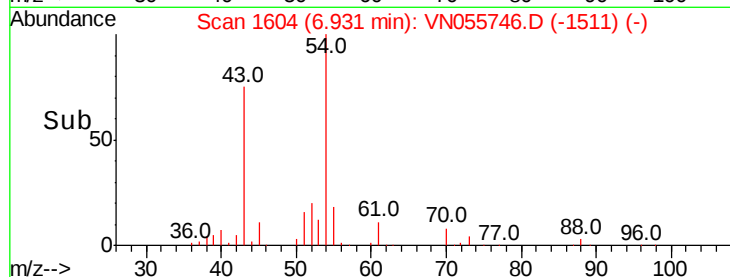
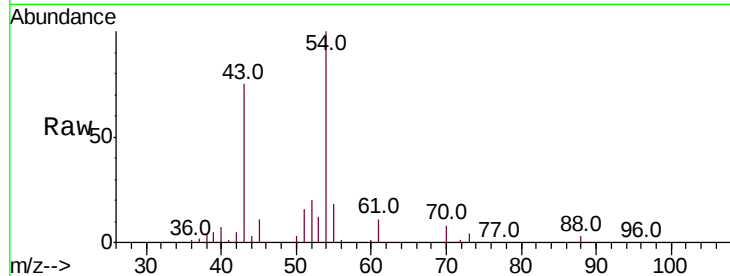
#37
Ethyl Acetate
Concen: 52.240 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN055746.D
Acq: 23 May 2019 10:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.2	12.2	18.2
70	11.1	8.9	13.3

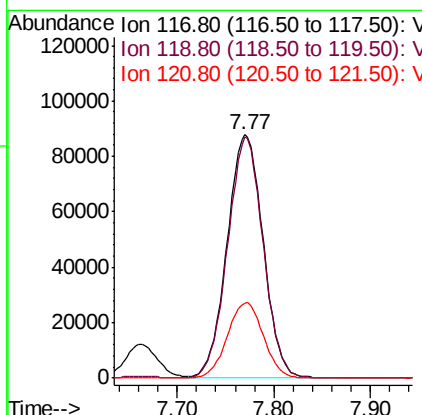
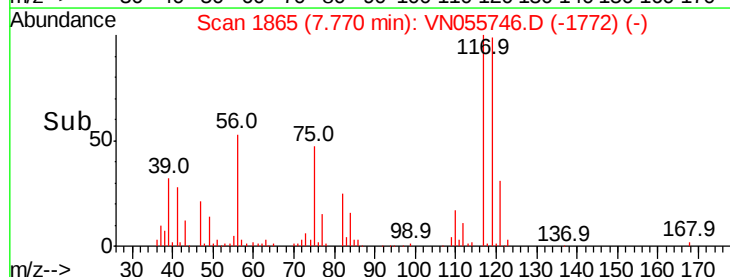
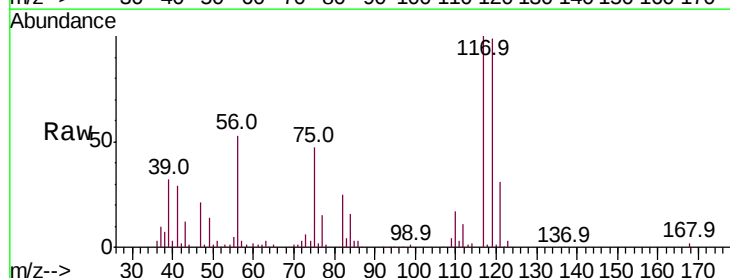
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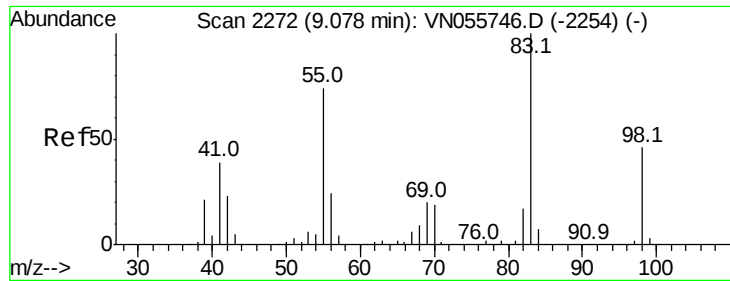
MMDadoda
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#38
Carbon Tetrachloride
Concen: 46.343 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN055746.D
Acq: 23 May 2019 10:35

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.8	79.0	118.6
121	30.9	24.7	37.1





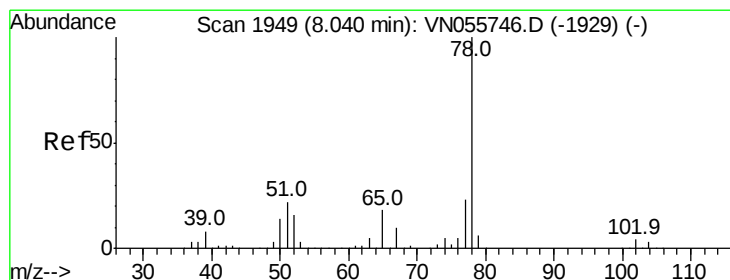
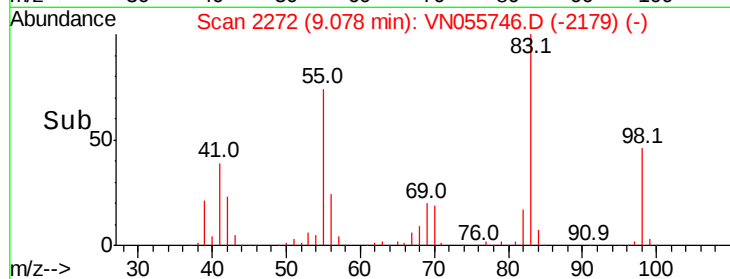
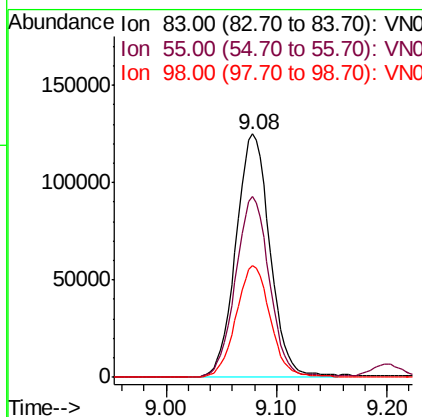
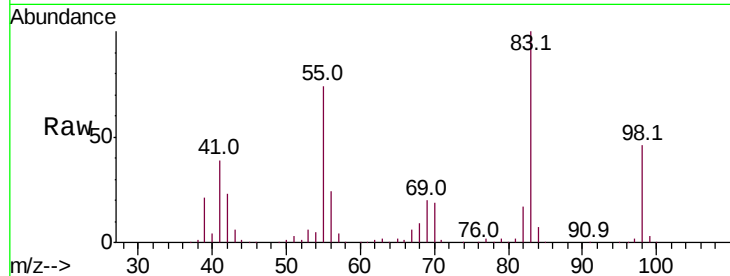
#39
Methvlcvclohexane
Concen: 48.369 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN055746.D
Acq: 23 May 2019 10:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.1	59.3	88.9
98	45.7	36.6	54.8

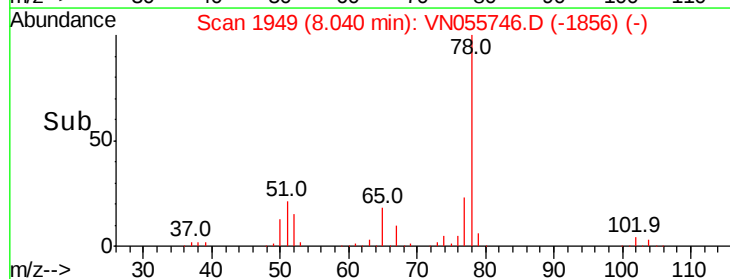
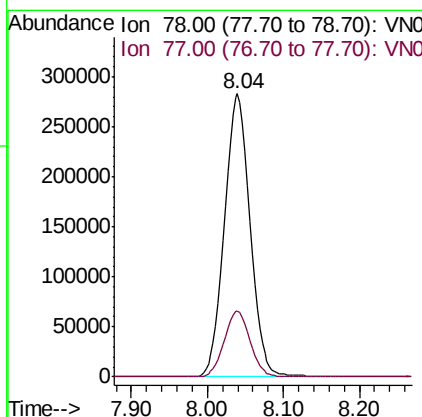
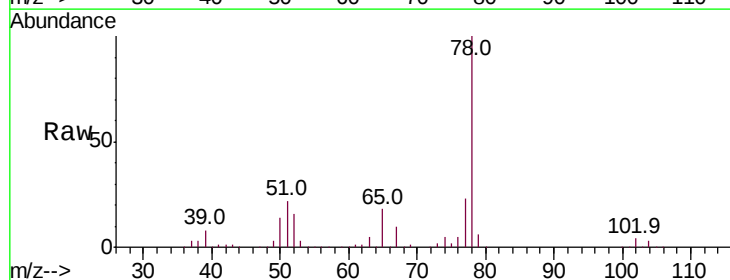
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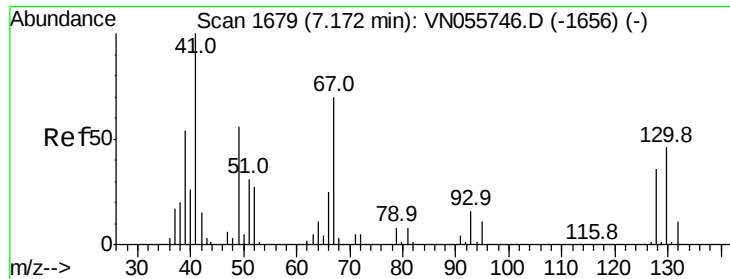
MMDadoda
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#40
Benzene
Concen: 49.126 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN055746.D
Acq: 23 May 2019 10:35

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.8	28.2





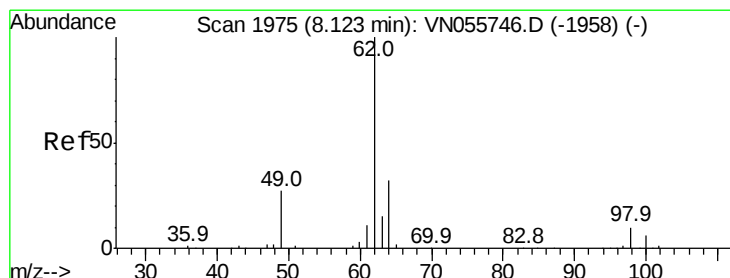
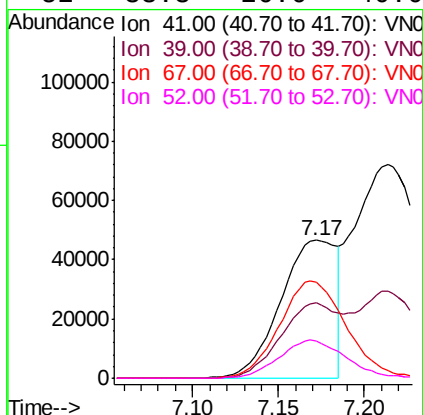
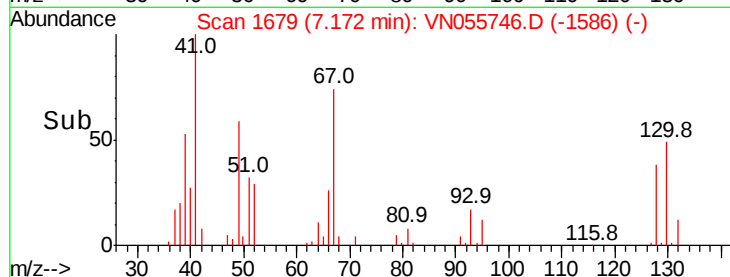
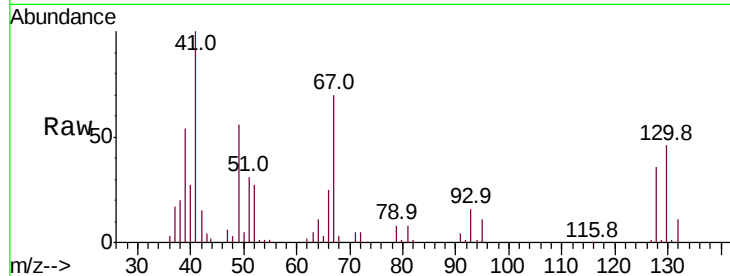
#41
Methacrylonitrile
Concen: 58.728 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN055746.D
Acq: 23 May 2019 10:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	57.0	45.6	68.4
67	84.6	67.7	101.5
52	33.3	26.6	40.0

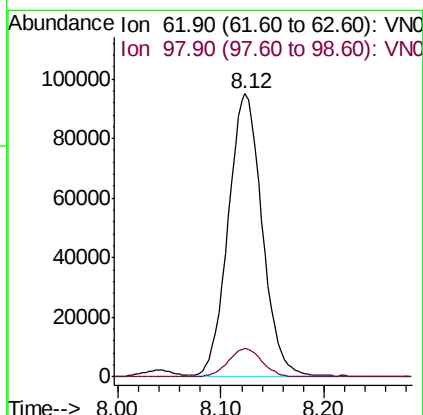
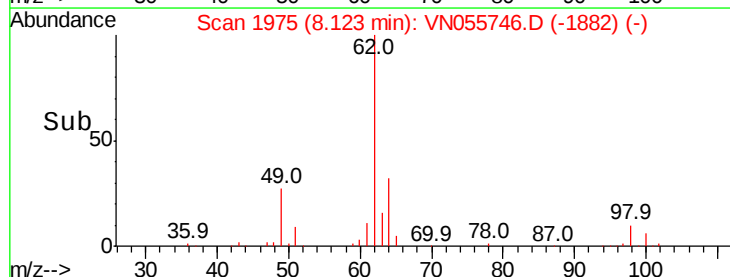
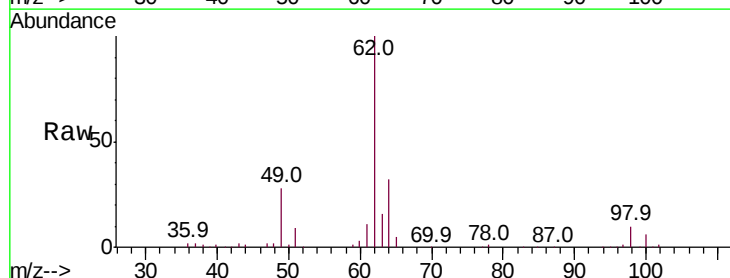
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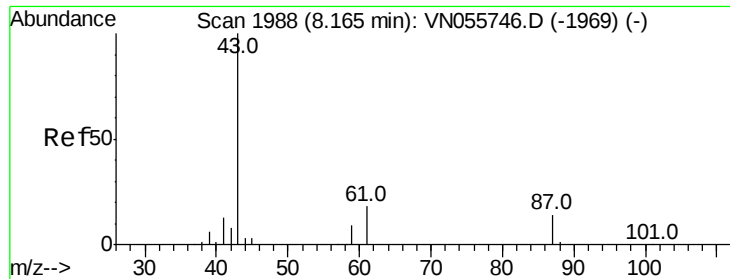
MMDadoda
5/24/2019 9:22:04 AM



#42
1,2-Dichloroethane
Concen: 49.468 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN055746.D
Acq: 23 May 2019 10:35

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	20.2





#43

Isopropyl Acetate

Concen: 49.292 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN055746.D

Acq: 23 May 2019 10:35

Instrument :

MSVOA_N

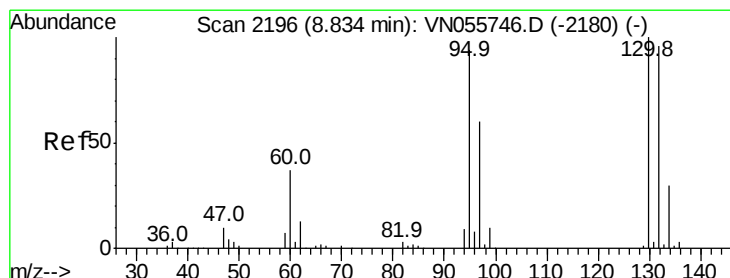
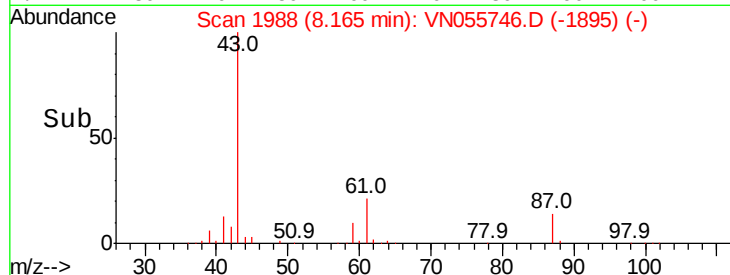
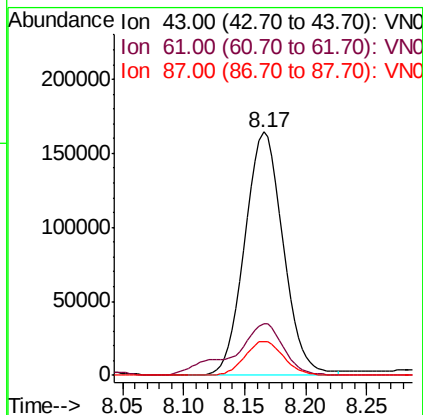
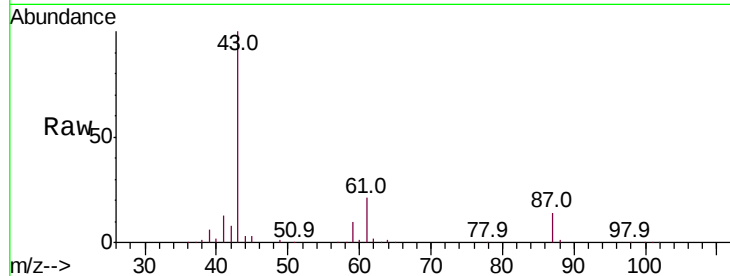
ClientSampleId :

VSTDICCC050

Tot Ion:	43	Resp:	355657
Ion Ratio	Lower	Upper	
43	100		
61	27.8	22.2	33.4
87	14.3	11.4	17.2

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#44

Trichloroethene

Concen: 49.126 ug/l

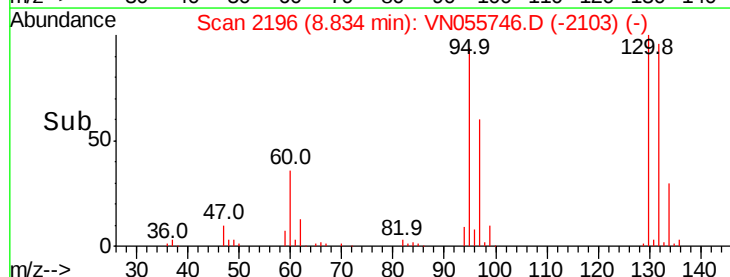
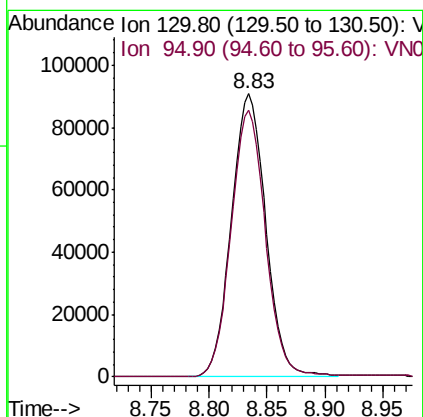
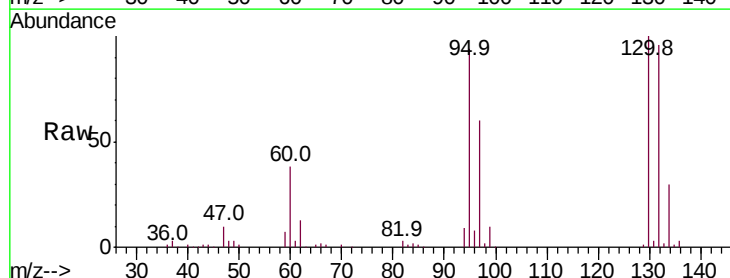
RT: 8.83 min Scan# 2196

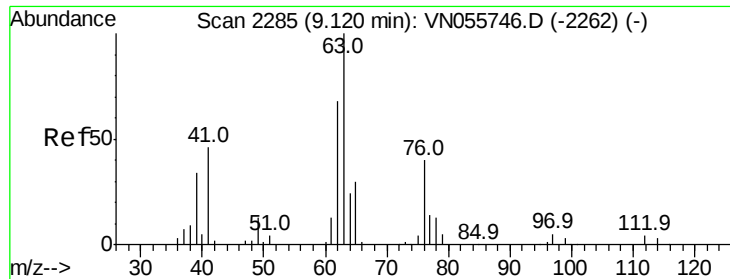
Delta R.T. 0.00 min

Lab File: VN055746.D

Acq: 23 May 2019 10:35

Tgt Ion:	130	Resp:	187292
Ion Ratio	Lower	Upper	
130	100		
95	94.0	0.0	188.0





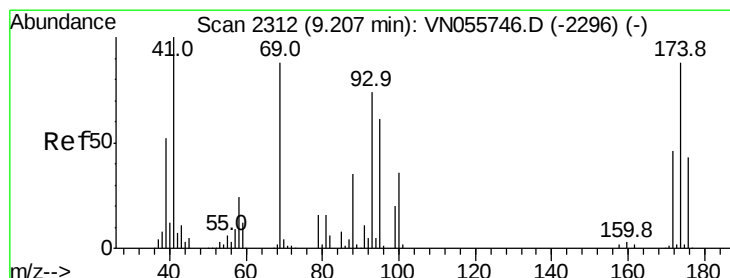
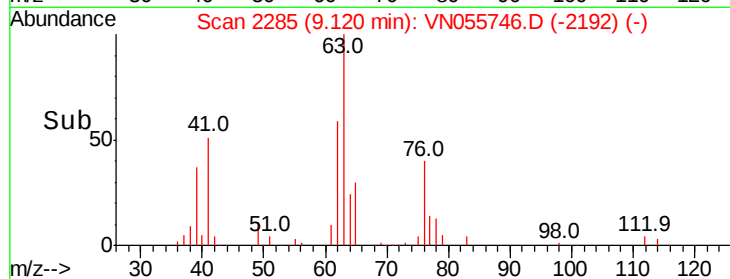
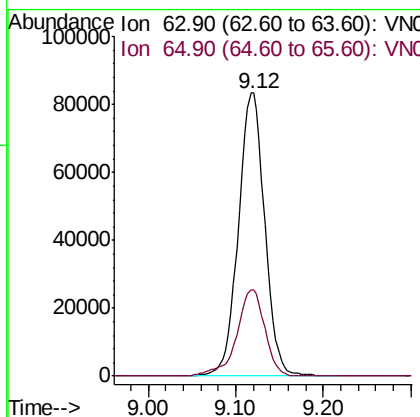
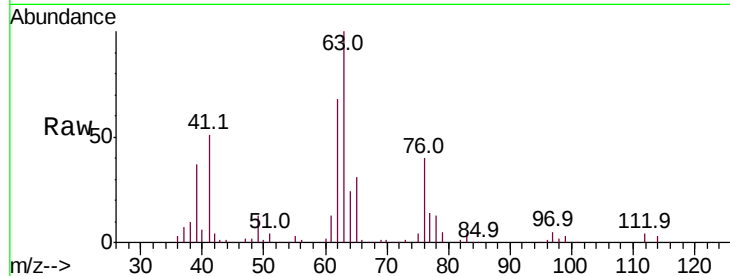
#45
 1,2-Dichloropropane
 Concen: 49.058 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN055746.D
 Acq: 23 May 2019 10:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion: 63 Resp: 174580
 Ion Ratio Lower Upper
 63 100
 65 30.7 24.6 36.8

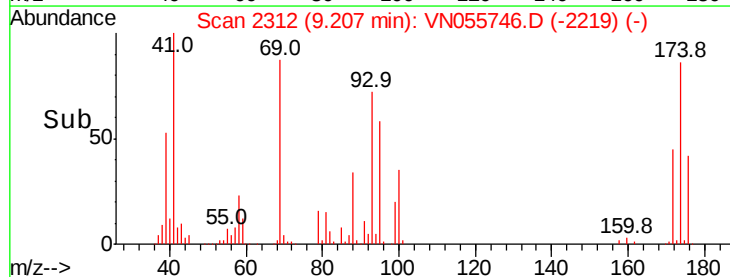
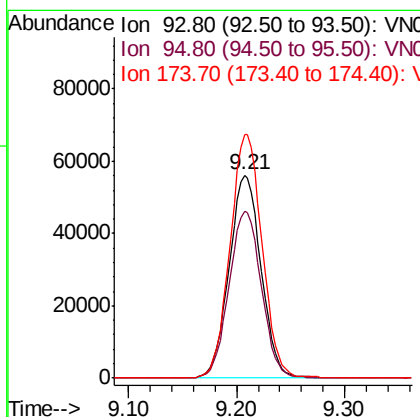
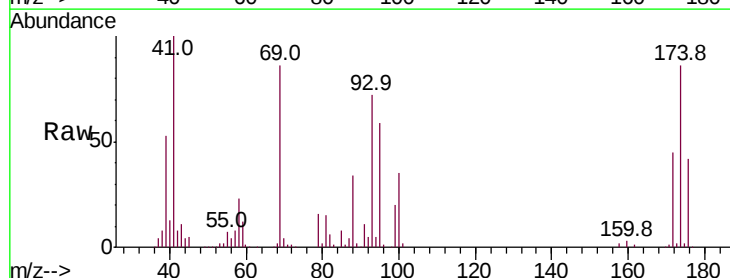
Manual Integrations
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#46
 Dibromomethane
 Concen: 49.670 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN055746.D
 Acq: 23 May 2019 10:35

Tgt Ion: 93 Resp: 115867
 Ion Ratio Lower Upper
 93 100
 95 83.4 66.7 100.1
 174 120.5 96.4 144.6





#47

Bromodichloromethane

Concen: 47.884 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055746.D

Acq: 23 May 2019 10:35

Instrument :

MSVOA_N

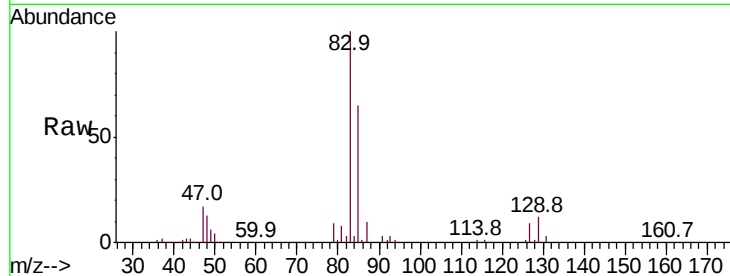
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	233141
Ion Ratio	Lower	Upper	
83	100		
85	65.2	52.2	78.2
127	9.2	7.4	11.0

Manual Integrations
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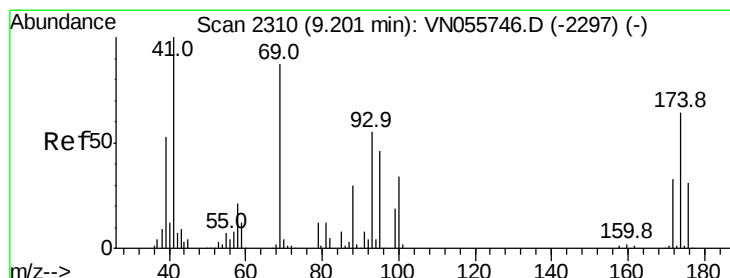
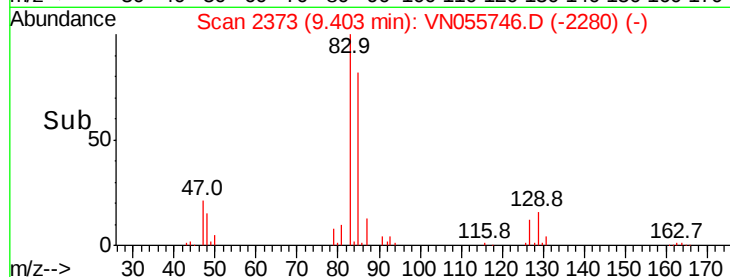
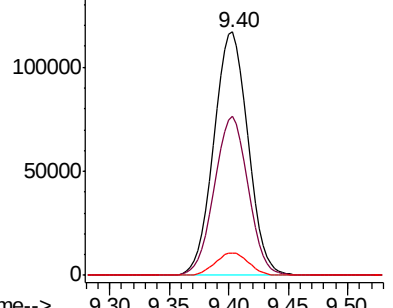
MMDadoda
5/24/2019 9:22:04 AM



Abundance Ion 82.90 (82.60 to 83.60): VN055746.D (-2354) (-)

Ion 84.90 (84.60 to 85.60): VN055746.D (-2354) (-)

Ion 126.80 (126.50 to 127.50): VN055746.D (-2354) (-)



#48

Methyl methacrylate

Concen: 52.527 ug/l

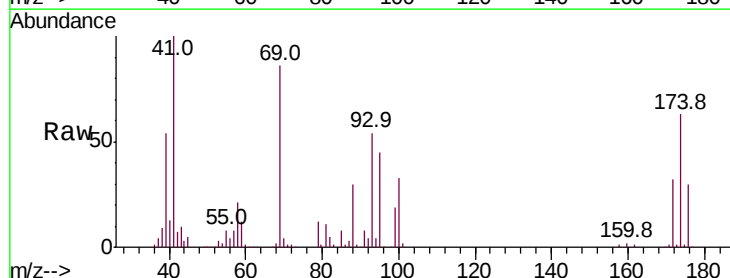
RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN055746.D

Acq: 23 May 2019 10:35

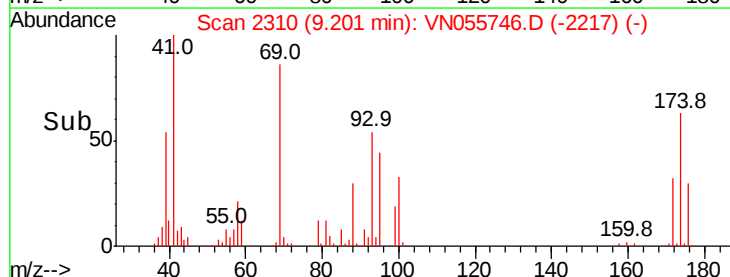
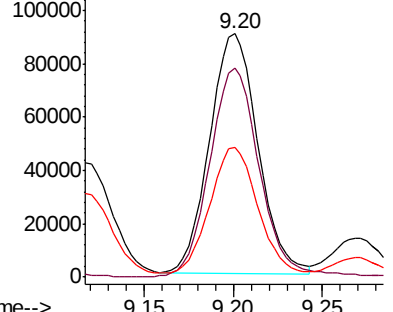
Tgt Ion:	41	Resp:	169804
Ion Ratio	Lower	Upper	
41	100		
69	88.8	71.0	106.6
39	55.2	44.2	66.2

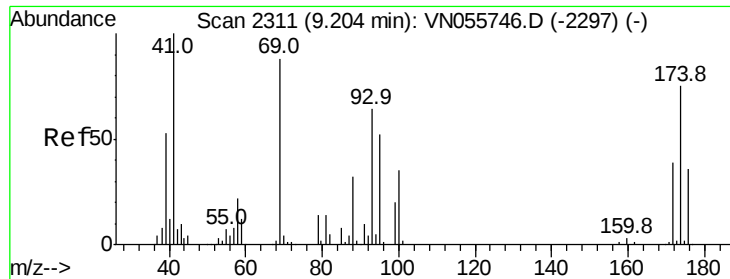


Abundance Ion 41.00 (40.70 to 41.70): VN055746.D (-2297) (-)

Ion 69.00 (68.70 to 69.70): VN055746.D (-2297) (-)

Ion 39.00 (38.70 to 39.70): VN055746.D (-2297) (-)





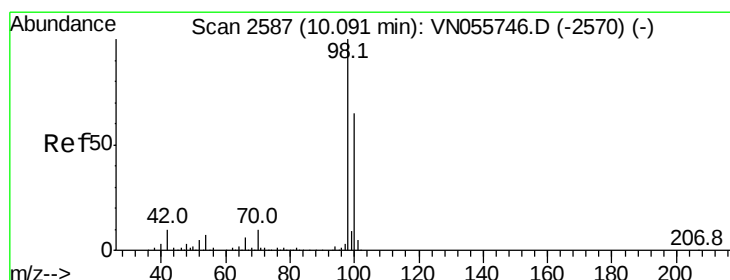
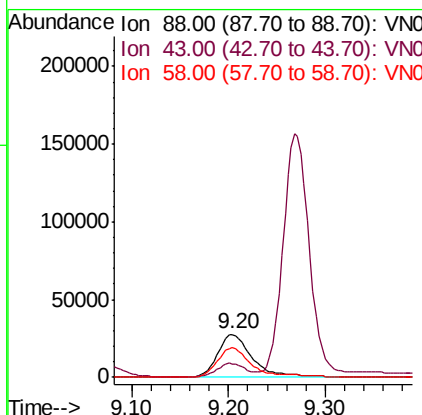
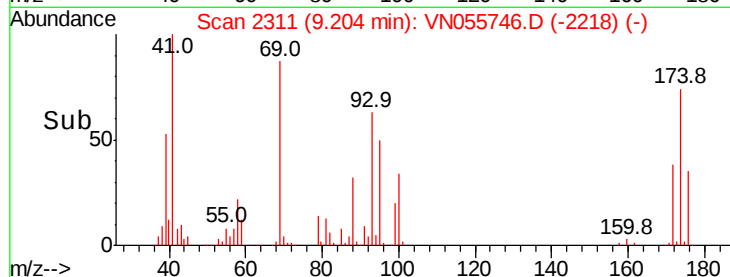
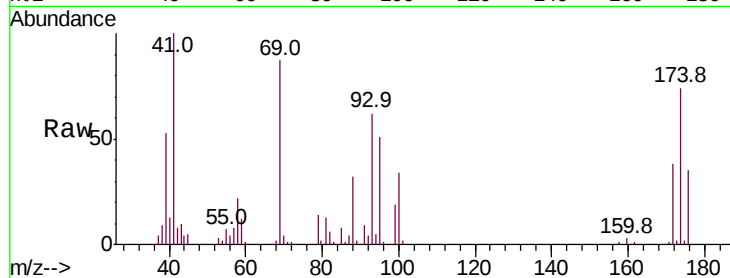
#49
1,4-Dioxane
Concen: 1081.007 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN055746.D
Acq: 23 May 2019 10:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	88	Resp	69255
Ion	Ratio	Lower	Upper
88	100		
43	25.6	20.5	30.7
58	69.7	55.8	83.6

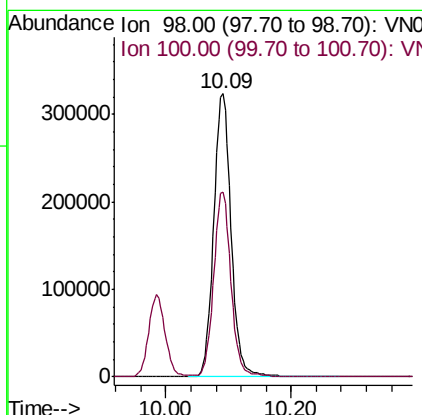
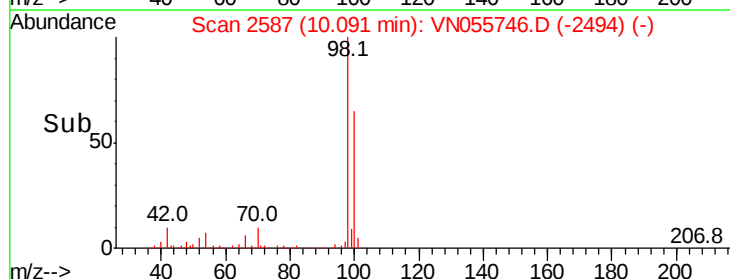
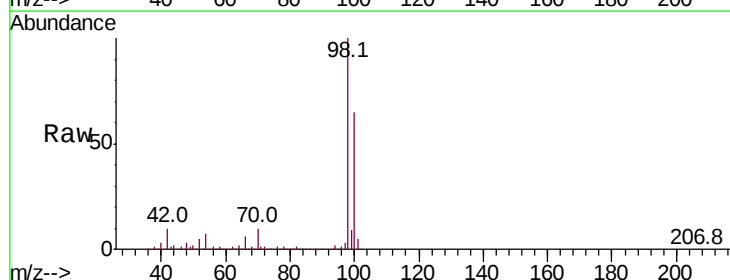
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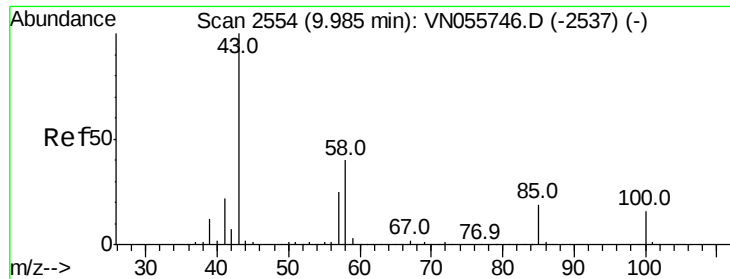
MMDadoda
5/24/2019 9:22:04 AM



#50
Toluene-d8
Concen: 50.468 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN055746.D
Acq: 23 May 2019 10:35

Tgt Ion	98	Resp	625106
Ion	Ratio	Lower	Upper
98	100		
100	64.9	51.9	77.9





#51

4-Methyl-2-Pentanone

Concen: 255.362 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055746.D

Acq: 23 May 2019 10:35

Tot Ion: 43 Resp: 1088741

Ion Ratio Lower Upper

43 100

58 40.1 32.1 48.1

Instrument :

MSVOA_N

ClientSampleId :

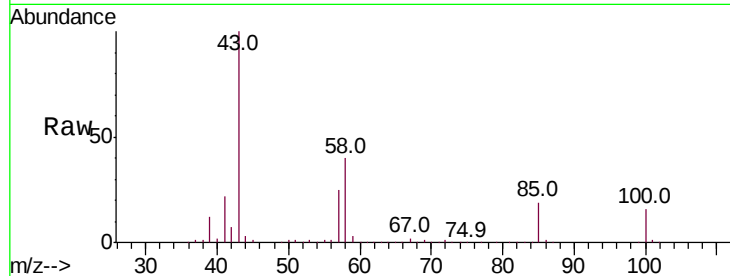
VSTDICCC050

Manual Integrations

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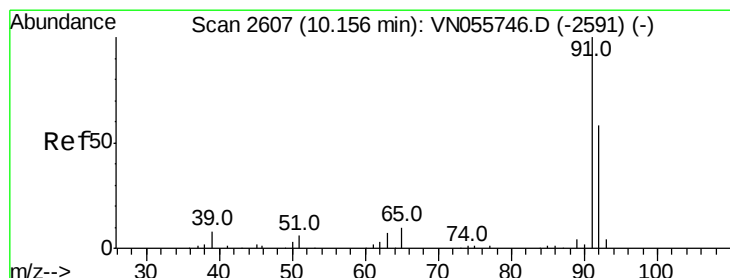
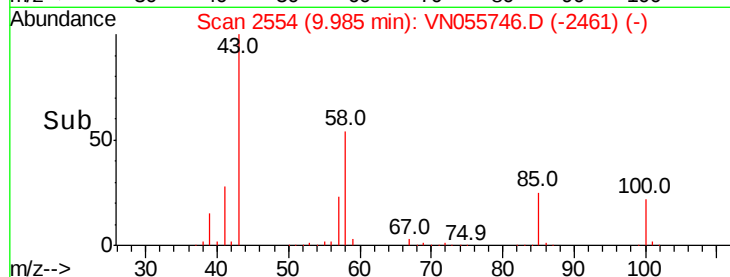
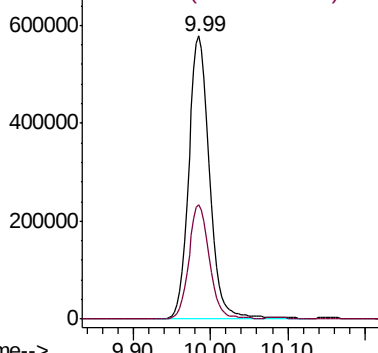
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 58.00 (57.70 to 58.70): VNC



#52

Toluene

Concen: 49.626 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055746.D

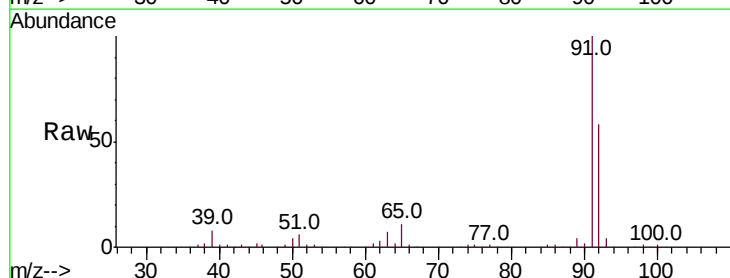
Acq: 23 May 2019 10:35

Tgt Ion: 92 Resp: 421959

Ion Ratio Lower Upper

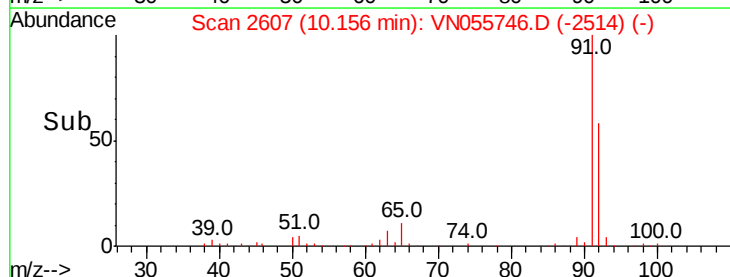
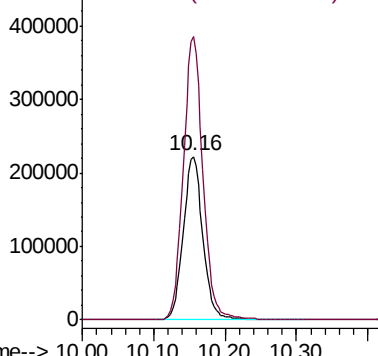
92 100

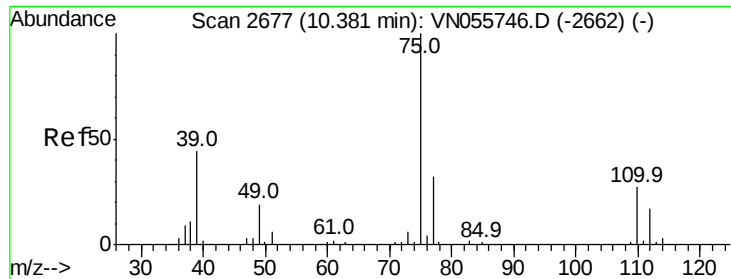
91 174.3 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VNC

Ion 91.00 (90.70 to 91.70): VNC





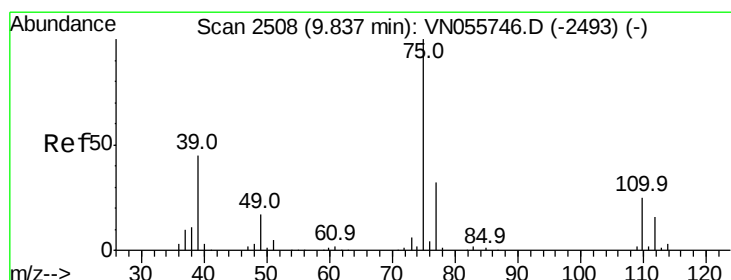
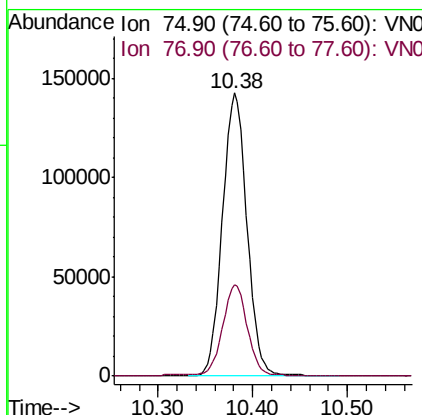
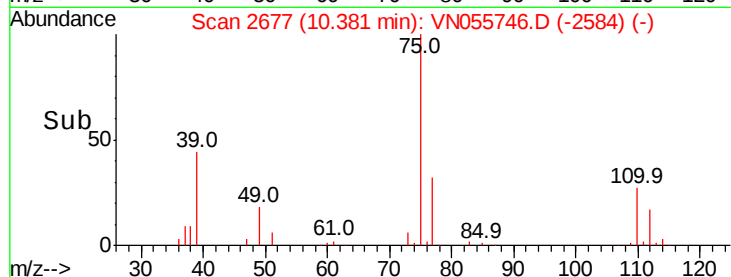
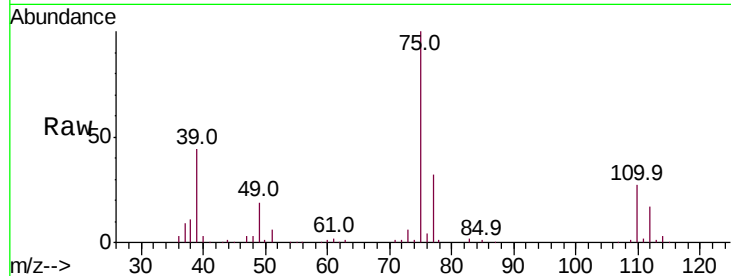
#53
t-1,3-Dichloropropene
Concen: 49.281 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN055746.D
Acq: 23 May 2019 10:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 75 Resp: 257755
Ion Ratio Lower Upper
75 100
77 32.2 25.8 38.6

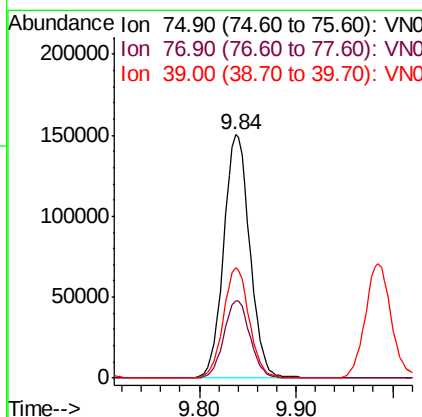
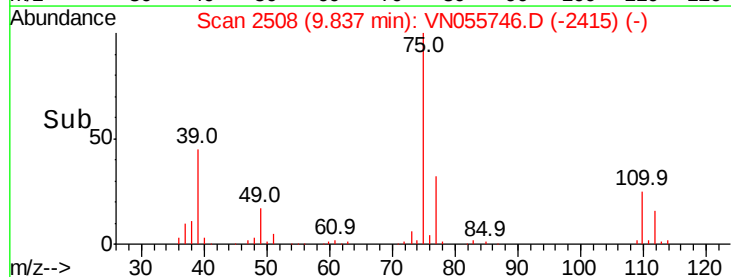
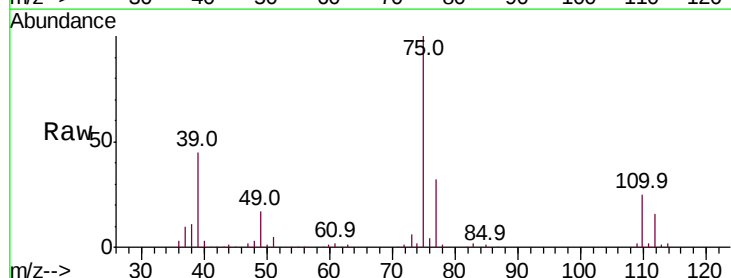
Manual Integrations
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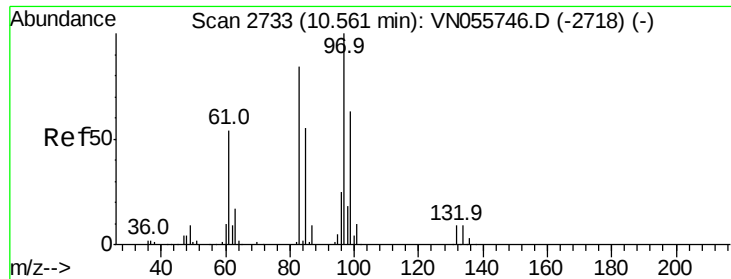
MMDadoda
5/24/2019 9:22:04 AM



#54
cis-1,3-Dichloropropene
Concen: 49.212 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. 0.00 min
Lab File: VN055746.D
Acq: 23 May 2019 10:35

Tgt Ion: 75 Resp: 282097
Ion Ratio Lower Upper
75 100
77 31.7 25.4 38.0
39 45.4 36.3 54.5





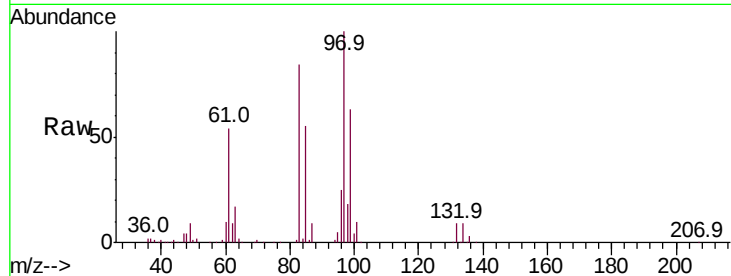
#55
 1,1,2-Trichloroethane
 Concen: 48.599 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN055746.D
 Acq: 23 May 2019 10:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

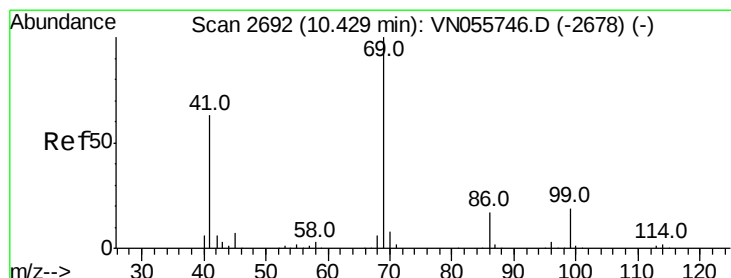
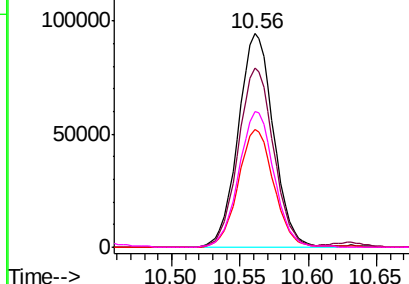
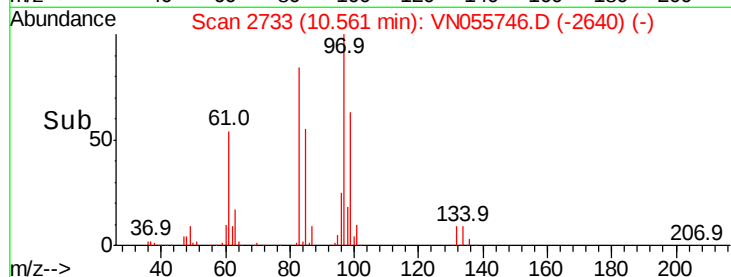
Tot Ion:	97	Resp:	169931
Ion	Ratio	Lower	Upper
97	100		
83	83.8	67.0	100.6
85	55.0	44.0	66.0
99	63.2	50.6	75.8

Manual Integrations
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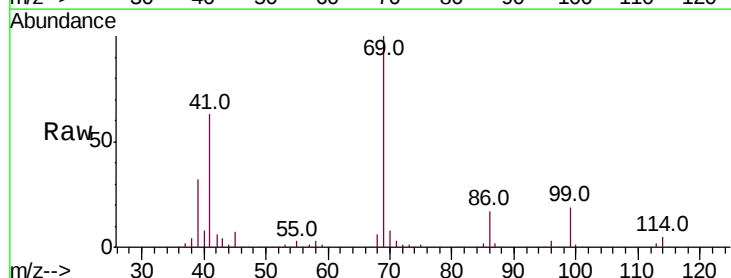


Abundance Ion 96.90 (96.60 to 97.60): VNC
 Ion 82.90 (82.60 to 83.60): VNC
 Ion 84.90 (84.60 to 85.60): VNC
 Ion 98.90 (98.60 to 99.60): VNC

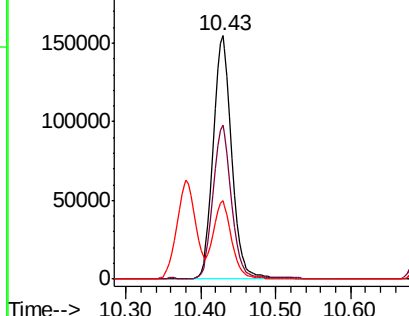
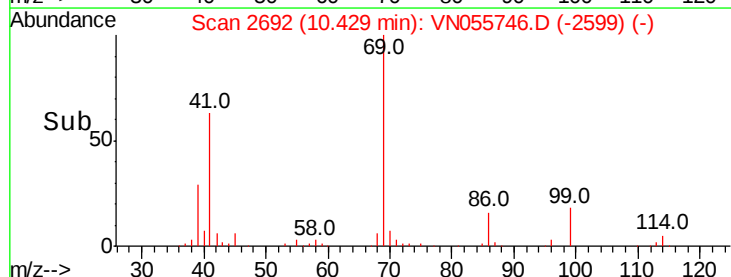


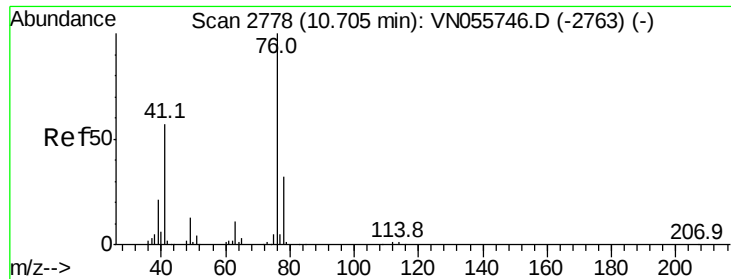
#56
 Ethyl methacrylate
 Concen: 49.321 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN055746.D
 Acq: 23 May 2019 10:35

Tgt Ion:	69	Resp:	269349
Ion	Ratio	Lower	Upper
69	100		
41	62.1	49.7	74.5
39	30.9	24.7	37.1



Abundance Ion 69.00 (68.70 to 69.70): VNC
 Ion 41.00 (40.70 to 41.70): VNC
 Ion 39.00 (38.70 to 39.70): VNC





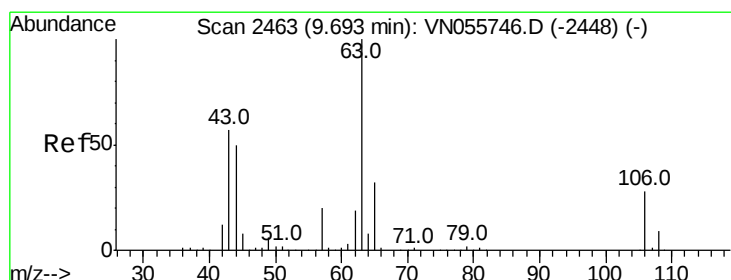
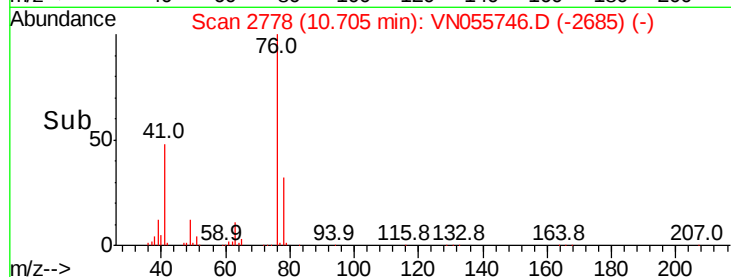
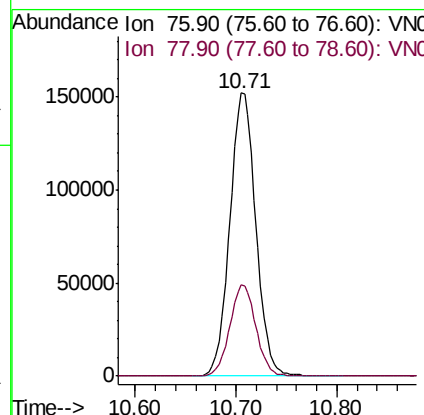
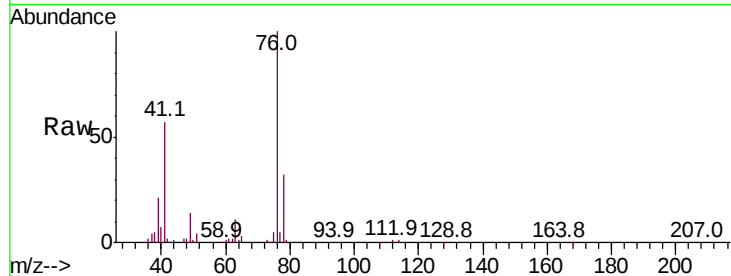
#57
 1,3-Dichloropropane
 Concen: 49.604 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN055746.D
 Acq: 23 May 2019 10:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.8	38.6

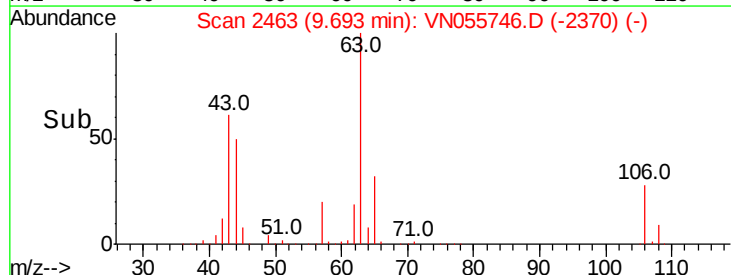
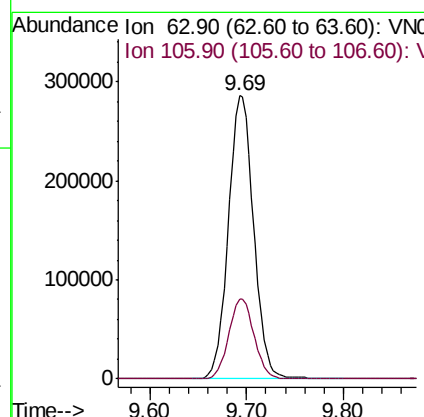
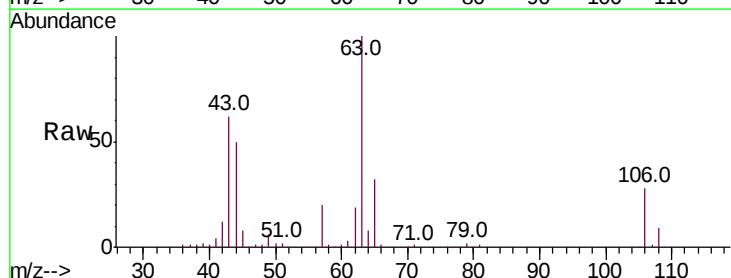
Manual Integrations
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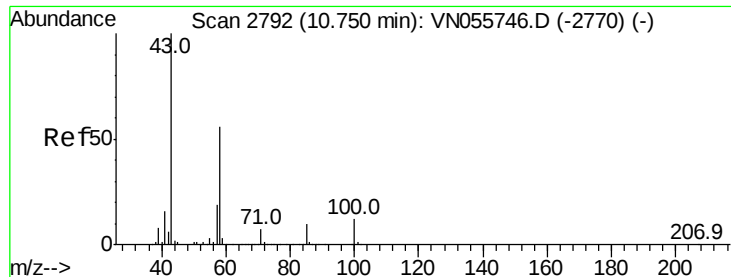
MMDadoda
 5/24/2019 9:22:04 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 228.278 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. 0.00 min
 Lab File: VN055746.D
 Acq: 23 May 2019 10:35

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.4	22.7	34.1





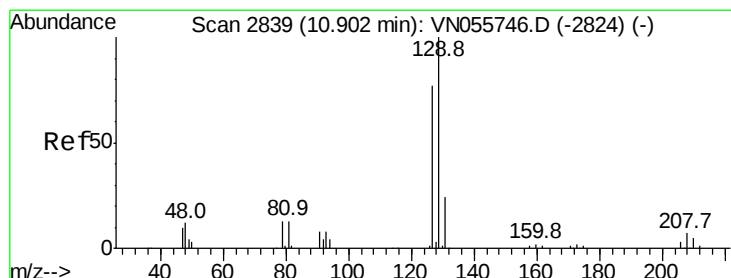
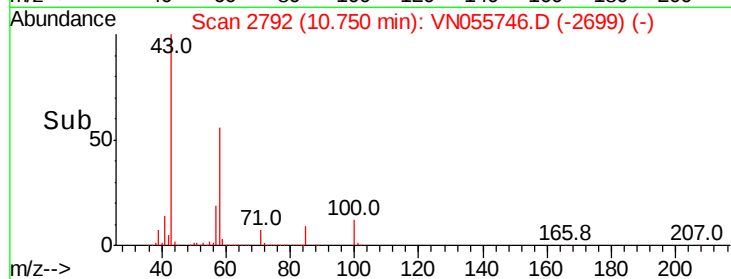
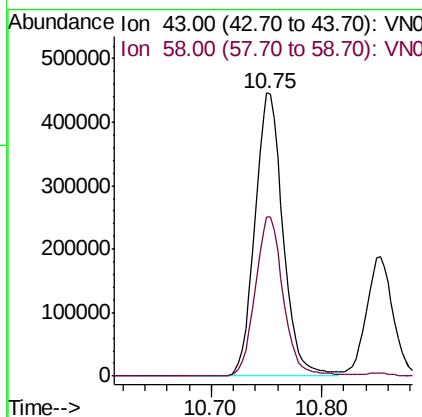
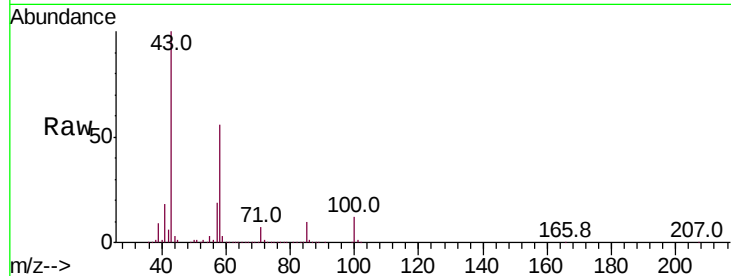
#59
2-Hexanone
Concen: 261.270 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN055746.D
Acq: 23 May 2019 10:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 782847
Ion Ratio Lower Upper
43 100
58 56.5 28.2 84.7

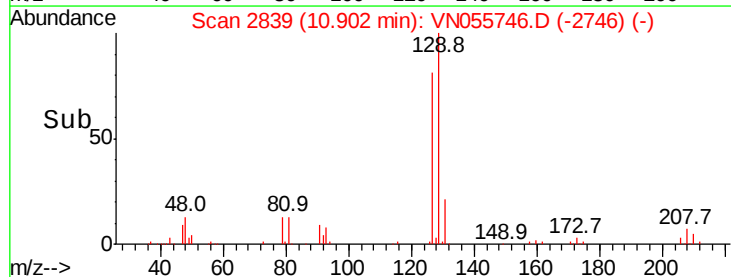
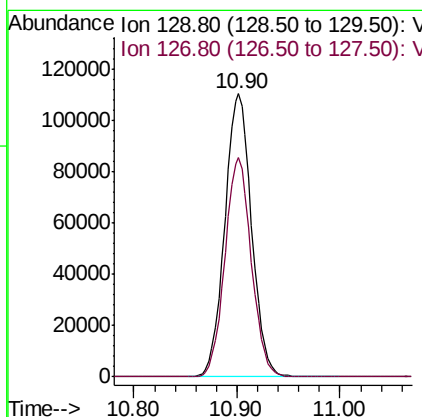
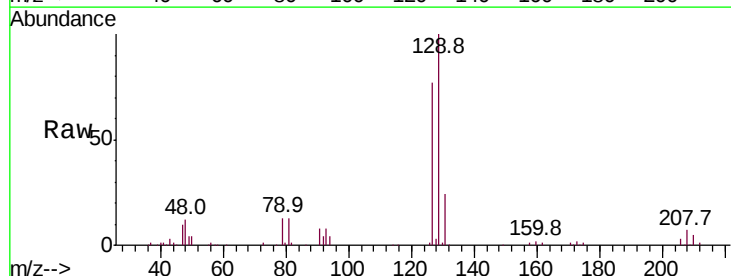
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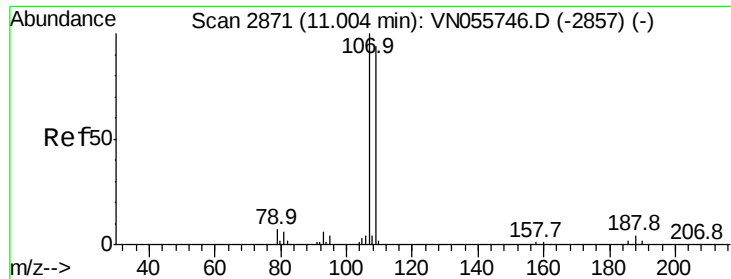
MMDadoda
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#60
Dibromochloromethane
Concen: 50.368 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055746.D
Acq: 23 May 2019 10:35

Tgt Ion: 129 Resp: 199640
Ion Ratio Lower Upper
129 100
127 76.2 38.1 114.3





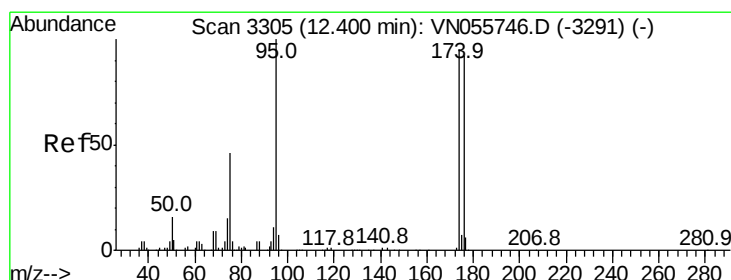
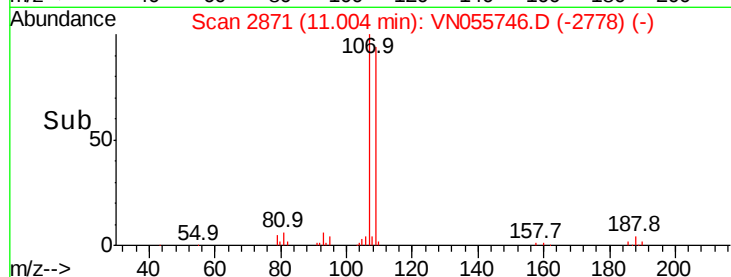
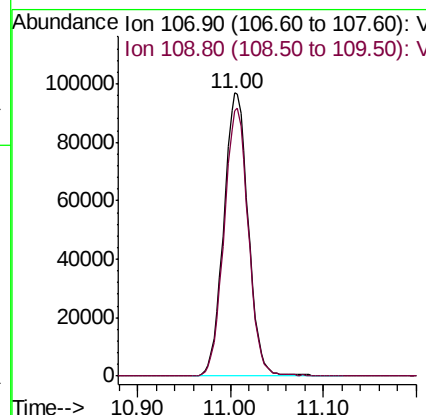
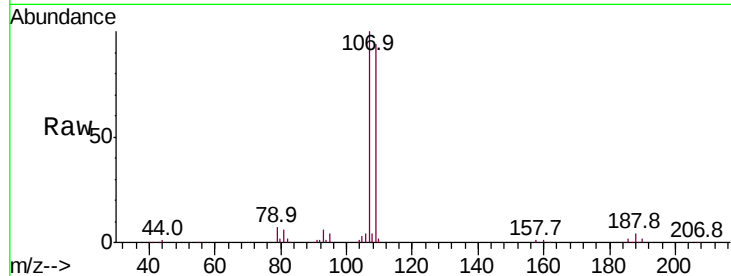
#61
 1,2-Dibromoethane
 Concen: 50.727 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN055746.D
 Acq: 23 May 2019 10:35

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
107	100	177622		
109	93.5	74.8	112.2	

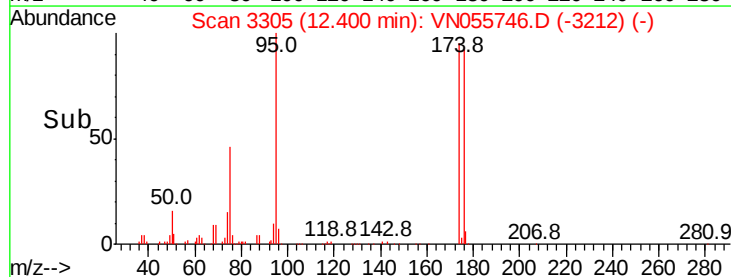
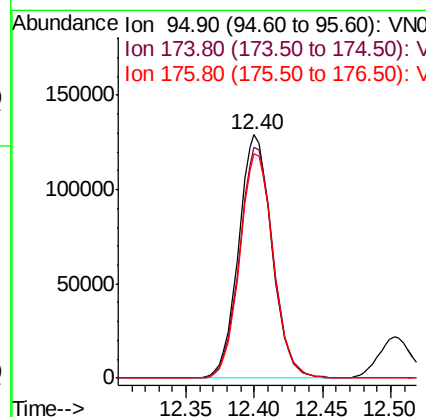
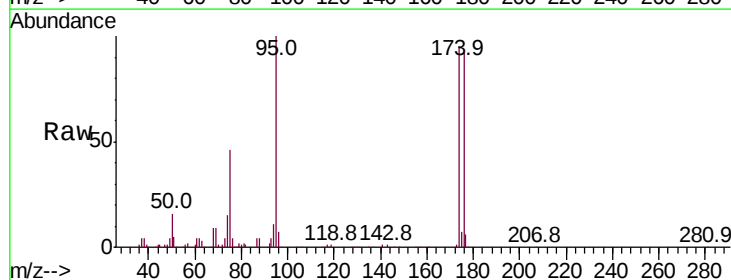
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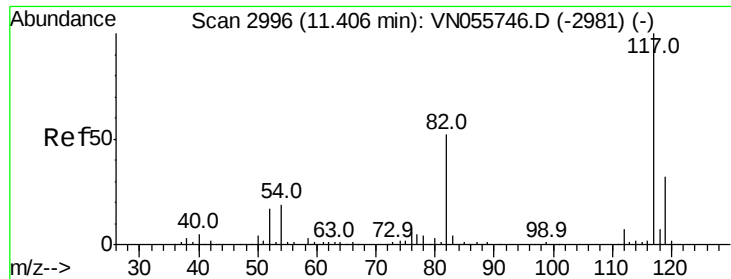
MMDadoda
 5/24/2019 9:22:04 AM



#62
 4-Bromofluorobenzene
 Concen: 51.123 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN055746.D
 Acq: 23 May 2019 10:35

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	218957		
174	95.5	0.0	191.0	
176	92.6	0.0	185.2	





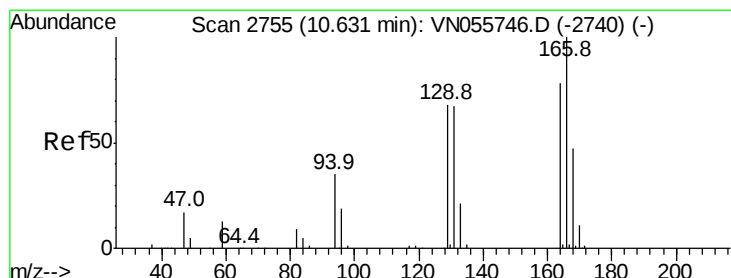
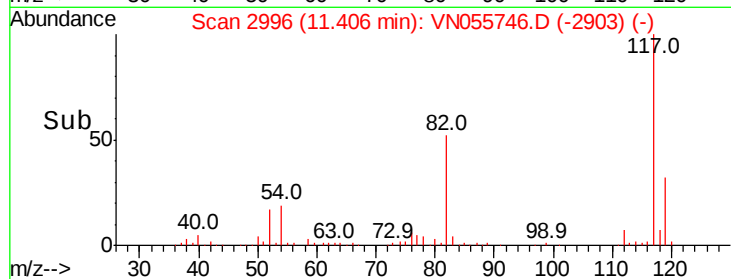
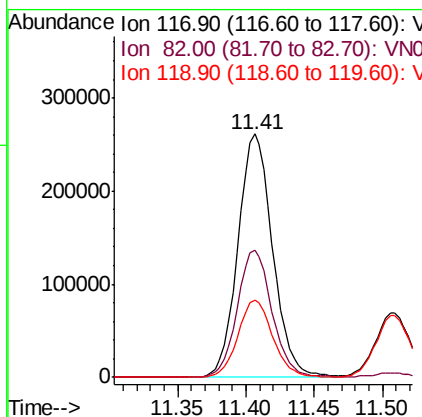
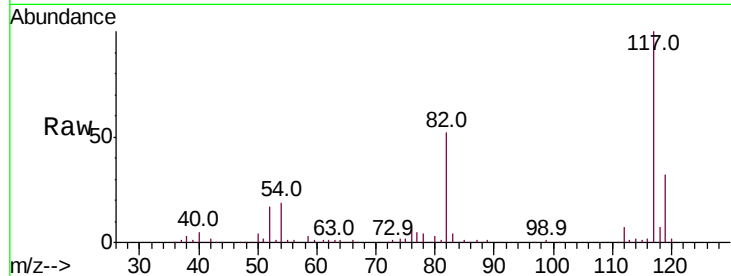
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055746.D
Acq: 23 May 2019 10:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.3	41.8	62.8
119	31.7	25.4	38.0

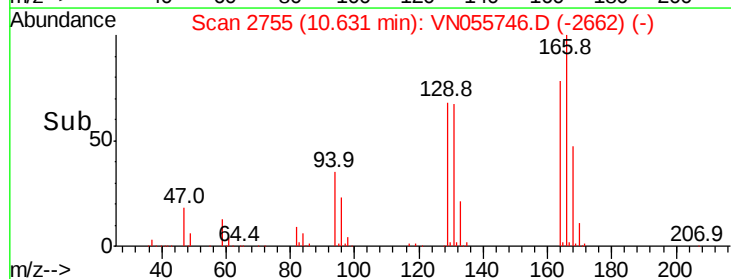
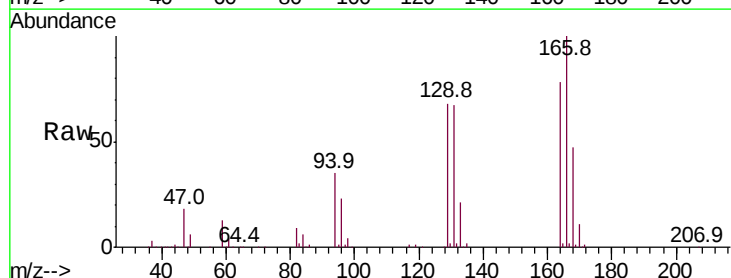
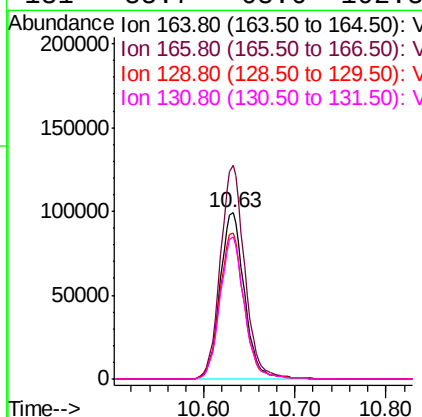
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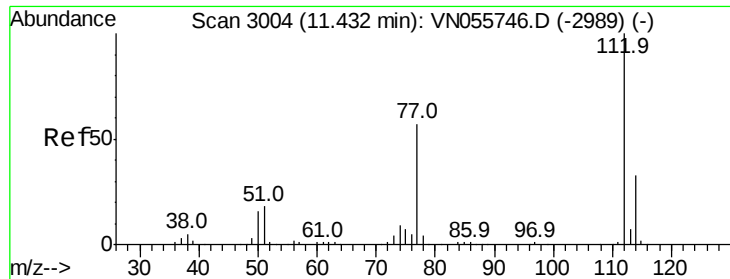
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#64
Tetrachloroethene
Concen: 50.422 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055746.D
Acq: 23 May 2019 10:35

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.8	103.0	154.6
129	88.2	70.6	105.8
131	85.7	68.6	102.8





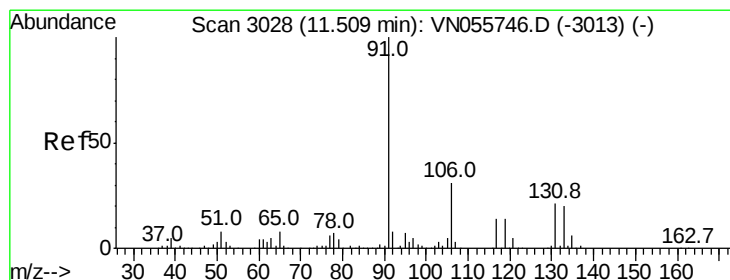
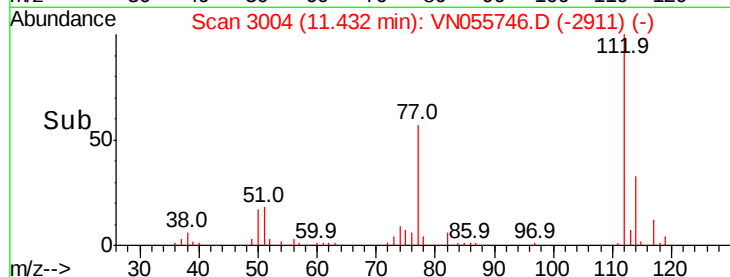
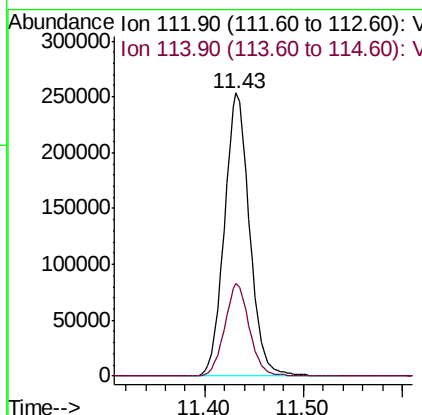
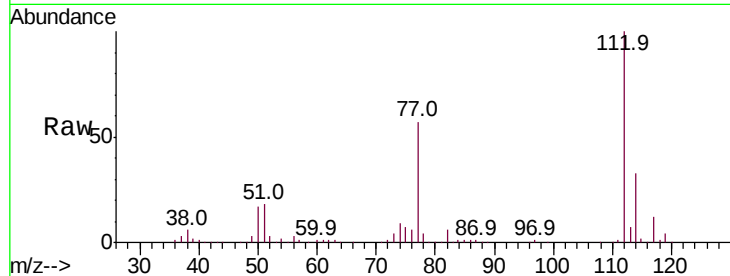
#65
Chlorobenzene
Concen: 48.521 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055746.D
Acq: 23 May 2019 10:35

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion:112 Resp: 452722
Ion Ratio Lower Upper
112 100
114 32.8 26.2 39.4

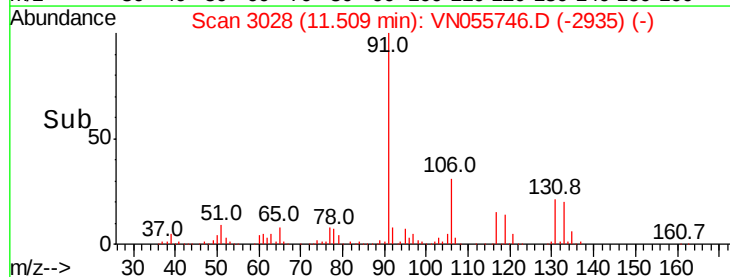
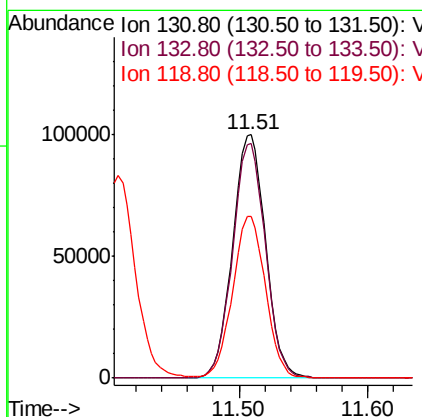
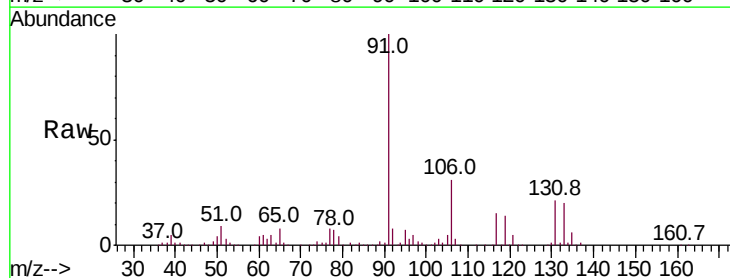
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#66
1,1,1,2-Tetrachloroethane
Concen: 47.243 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055746.D
Acq: 23 May 2019 10:35

Tgt Ion:131 Resp: 177126
Ion Ratio Lower Upper
131 100
133 96.0 48.0 144.0
119 66.3 33.1 99.5





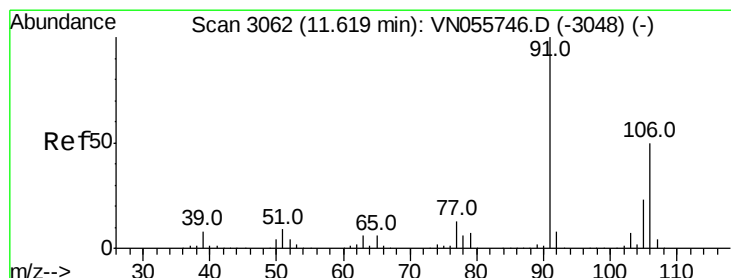
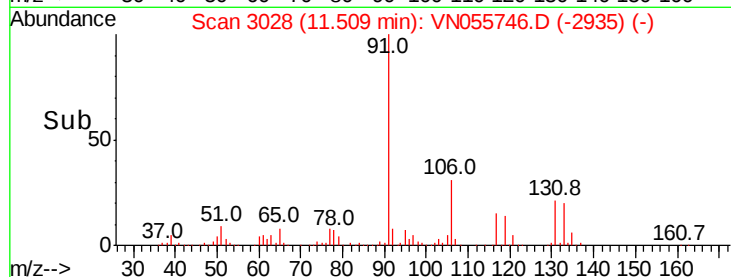
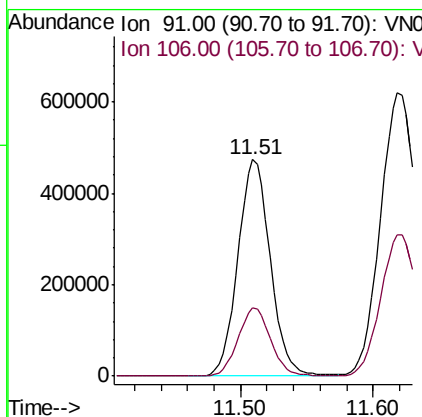
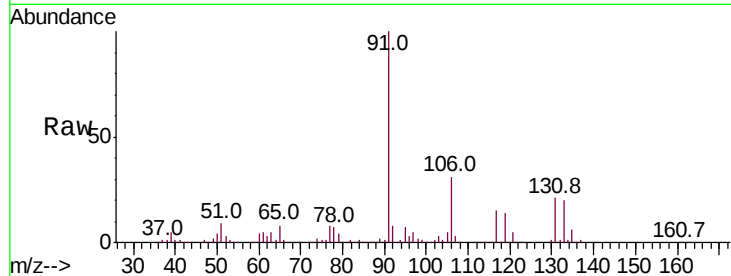
#67
Ethyl Benzene
Concen: 48.356 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055746.D
Acq: 23 May 2019 10:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 91 Resp: 805736
Ion Ratio Lower Upper
91 100
106 31.4 25.1 37.7

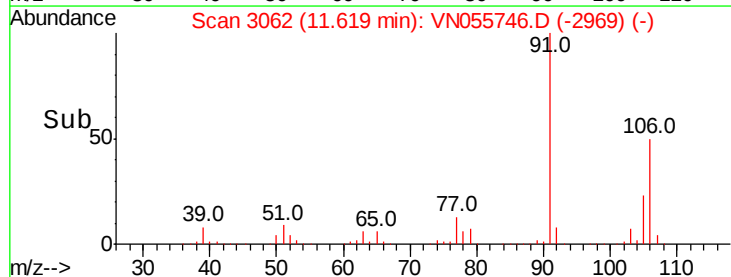
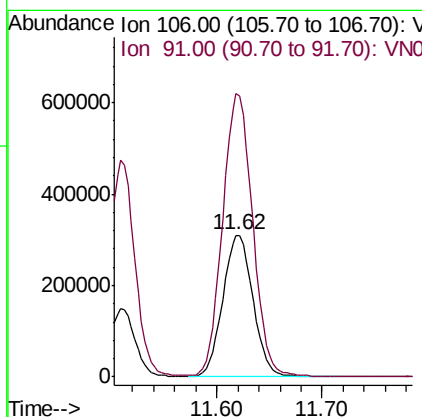
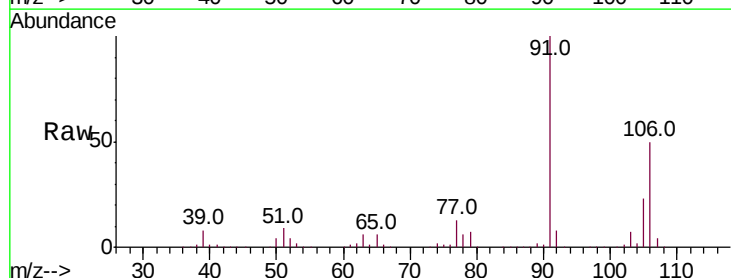
Manual Integrations
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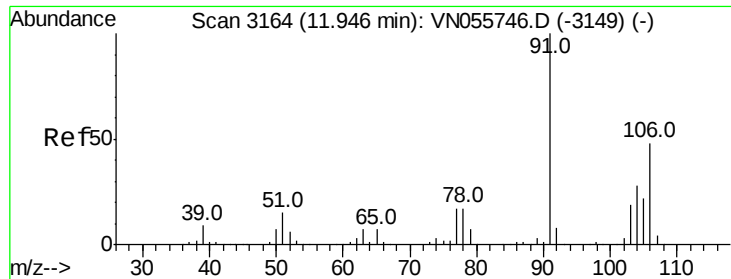
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#68
m/p-Xylenes
Concen: 97.537 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN055746.D
Acq: 23 May 2019 10:35

Tgt Ion: 106 Resp: 613832
Ion Ratio Lower Upper
106 100
91 199.1 159.3 238.9





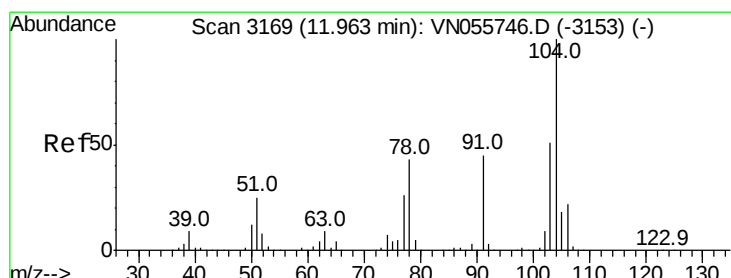
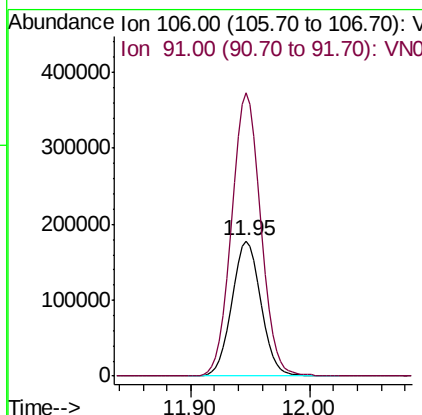
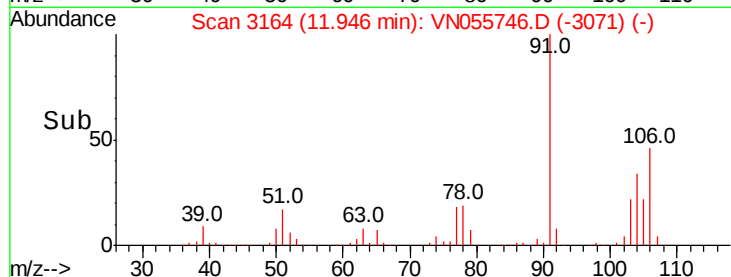
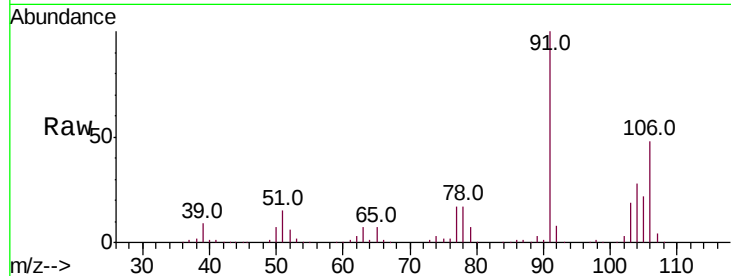
#69
o-Xylene
Concen: 48.989 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055746.D
Acq: 23 May 2019 10:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion:106 Resp: 302483
Ion Ratio Lower Upper
106 100
91 209.4 104.7 314.1

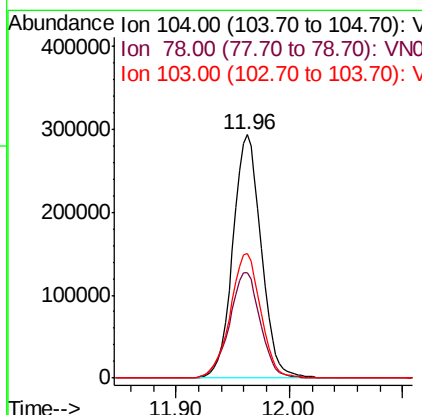
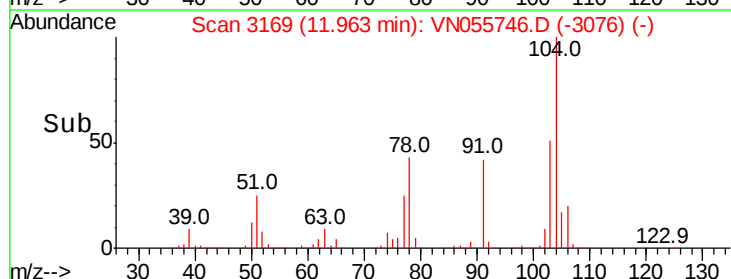
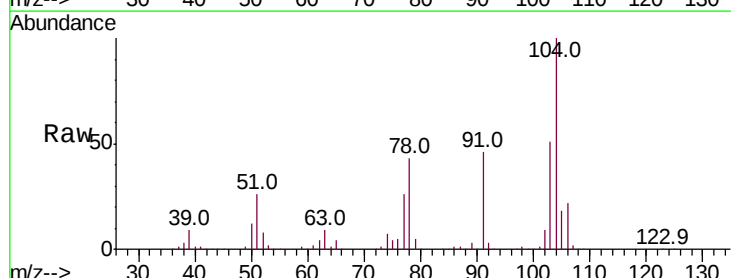
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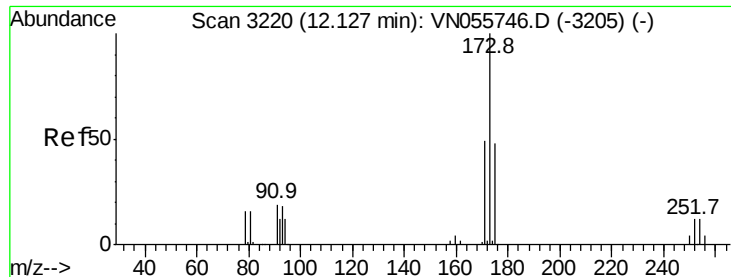
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#70
Styrene
Concen: 50.072 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055746.D
Acq: 23 May 2019 10:35

Tgt Ion:104 Resp: 512659
Ion Ratio Lower Upper
104 100
78 47.2 37.8 56.6
103 55.2 44.2 66.2





#71

Bromoform

Concen: 50.125 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN055746.D

Acq: 23 May 2019 10:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:173 Resp: 159663

Ion Ratio Lower Upper

173 100

175 48.5 24.3 72.8

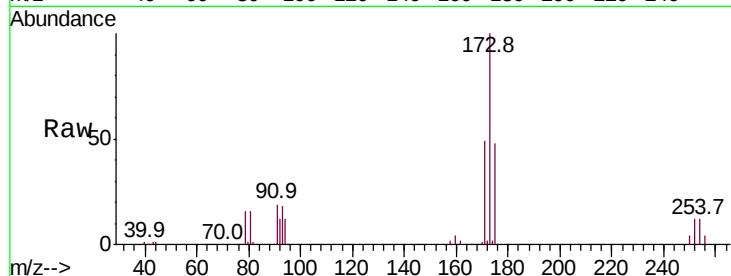
254 0.0 0.0 0.0

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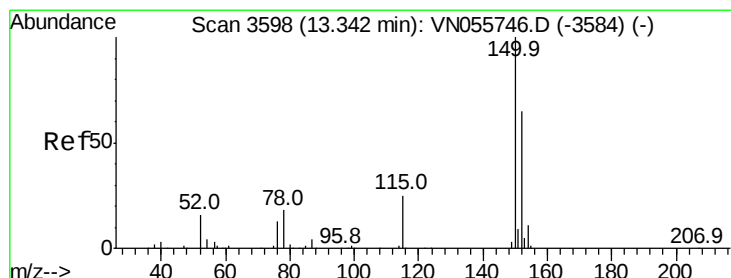
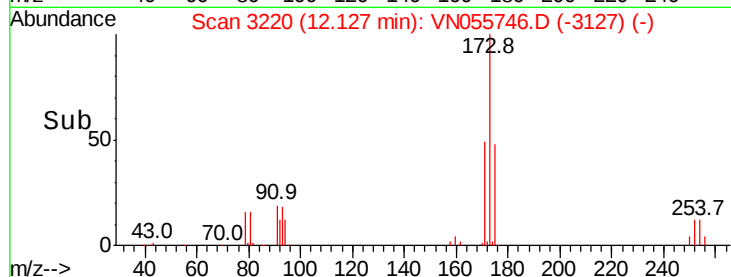
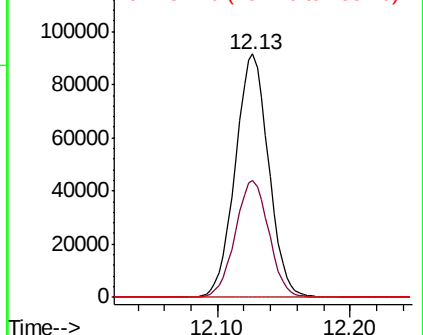
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Abundance Ion 172.70 (172.40 to 173.40): V

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: VN055746.D

Acq: 23 May 2019 10:35

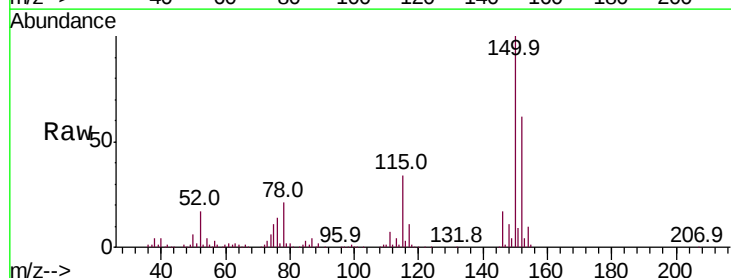
Tgt Ion:152 Resp: 216909

Ion Ratio Lower Upper

152 100

115 54.0 27.0 81.0

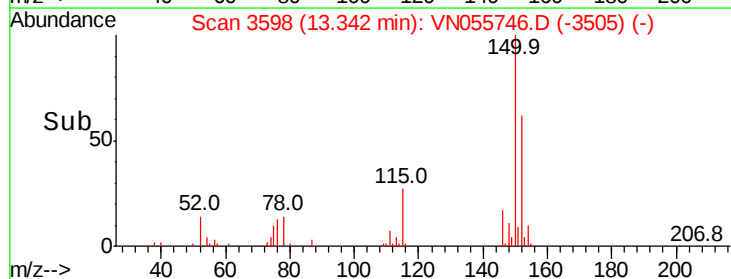
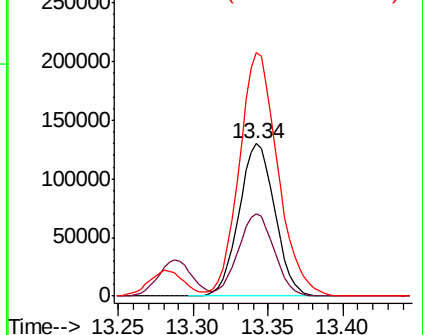
150 171.6 0.0 343.2

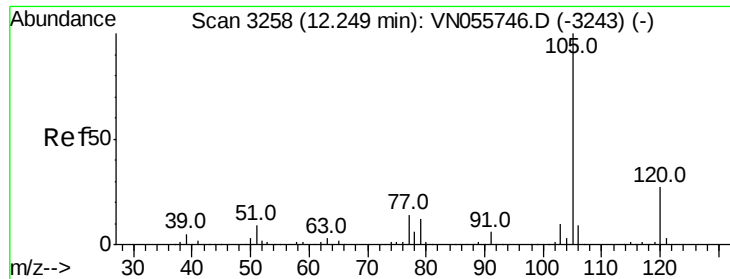


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 44.550 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055746.D

Acq: 23 May 2019 10:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 789593

Ion Ratio Lower Upper

105 100

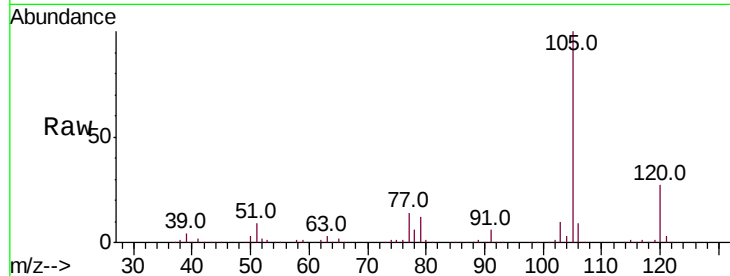
120 27.1 13.6 40.7

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

500000

400000

300000

200000

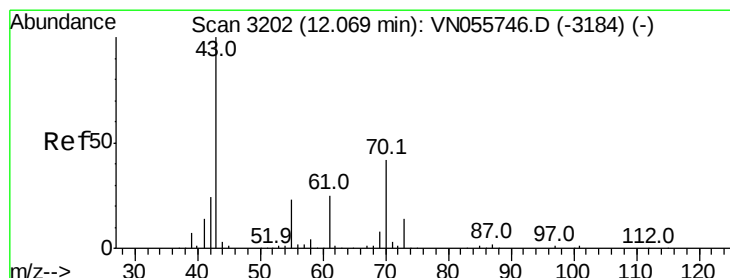
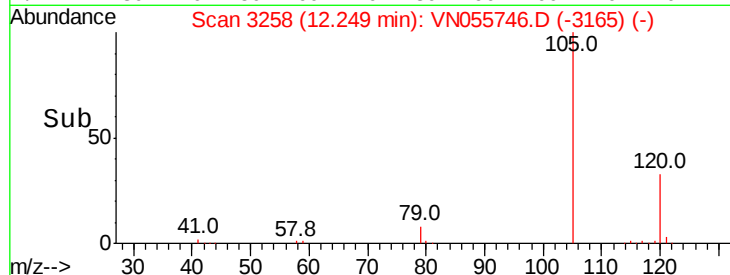
100000

0

12.25

12.30

Time-->



#74

N-ethyl acetate

Concen: 50.163 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055746.D

Acq: 23 May 2019 10:35

Tgt Ion: 43 Resp: 306033

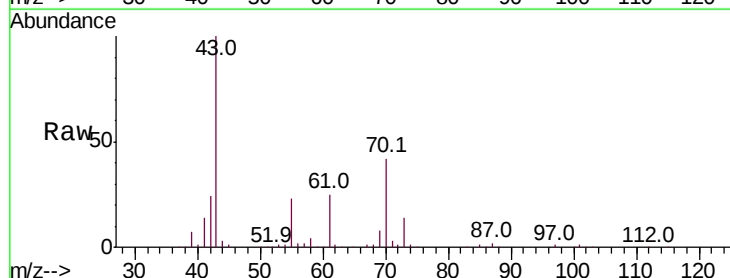
Ion Ratio Lower Upper

43 100

70 42.5 34.0 51.0

55 23.3 18.6 28.0

61 25.0 20.0 30.0



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

300000

250000

200000

150000

100000

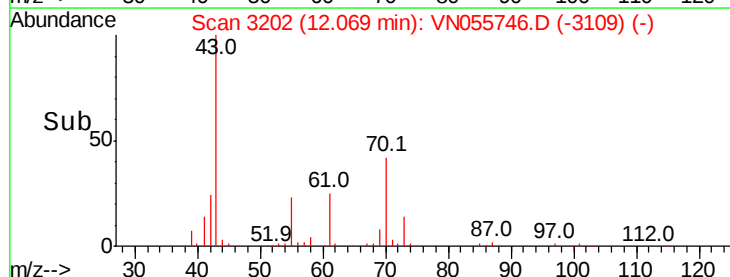
50000

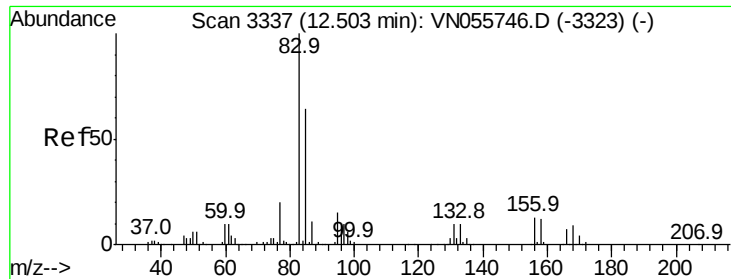
0

12.07

12.10

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 44.063 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055746.D

Acq: 23 May 2019 10:35

Instrument :

MSVOA_N

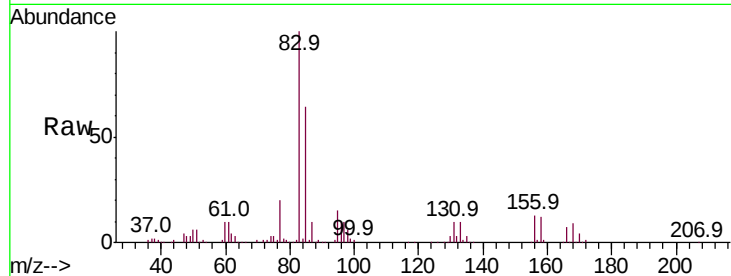
ClientSampleId :

VSTDICCC050

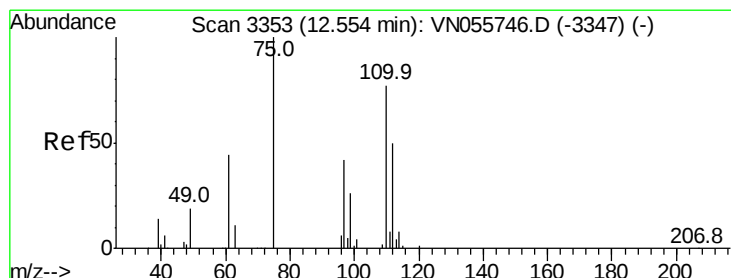
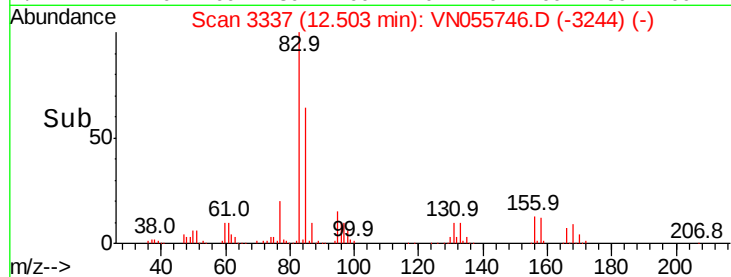
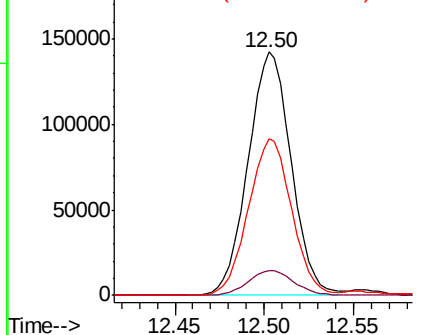
Tot Ion:	83	Resp:	240461
Ion Ratio	Lower	Upper	
83	100		
131	10.8	5.4	16.2
85	64.7	32.4	97.0

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 43.903 ug/l m

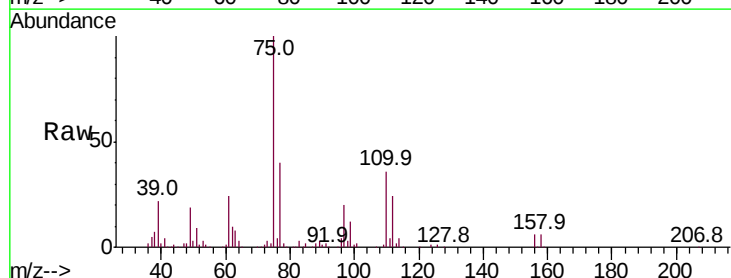
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

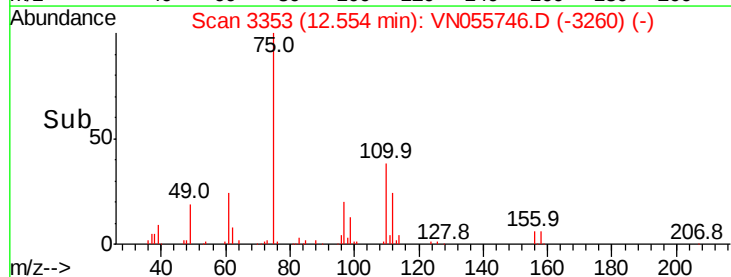
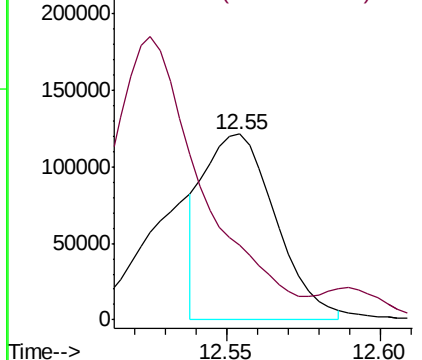
Lab File: VN055746.D

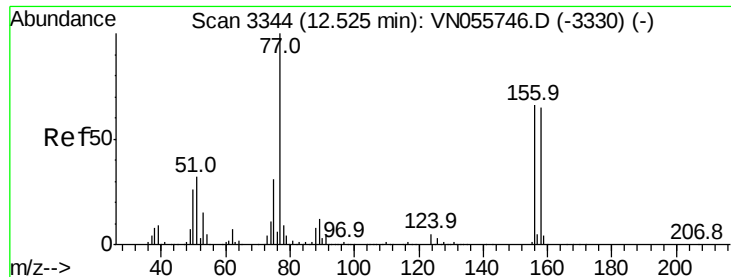
Acq: 23 May 2019 10:35

Tgt Ion:	75	Resp:	196266
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 47.559 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055746.D

Acq: 23 May 2019 10:35

Instrument :

MSVOA_N

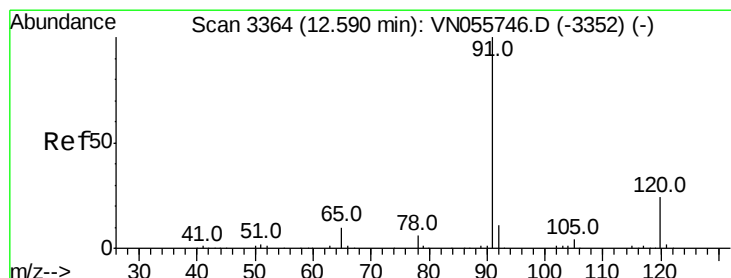
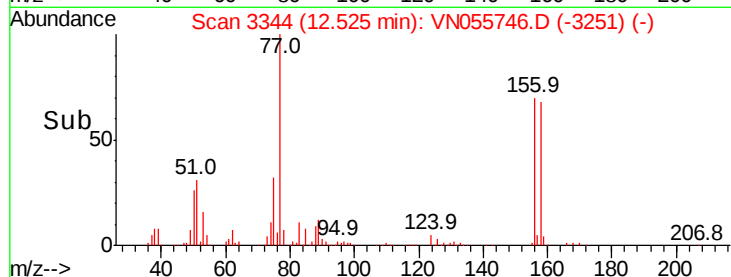
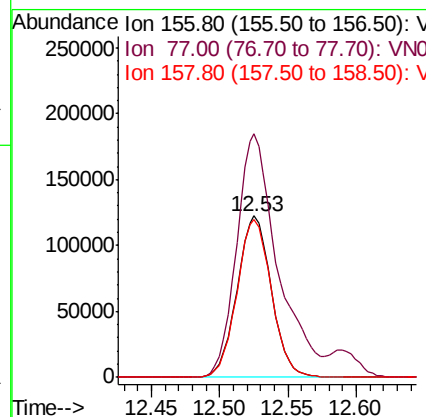
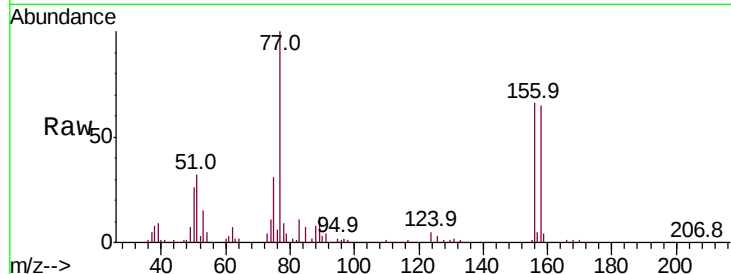
ClientSampled :

VSTDICCC050

Tot Ion:	156	Resp:	213281
Ion Ratio	Lower	Upper	
156	100		
77	181.7	90.8	272.5
158	98.5	49.3	147.8

Manual Integrations
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#78

n-propylbenzene

Concen: 44.666 ug/l

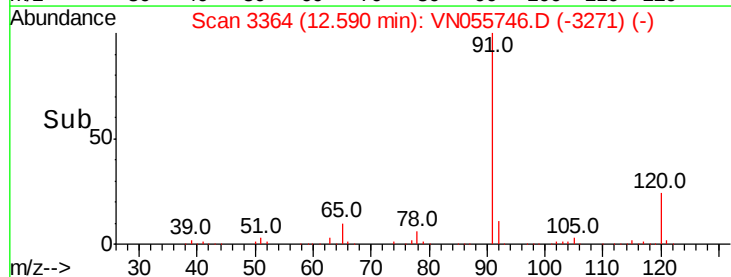
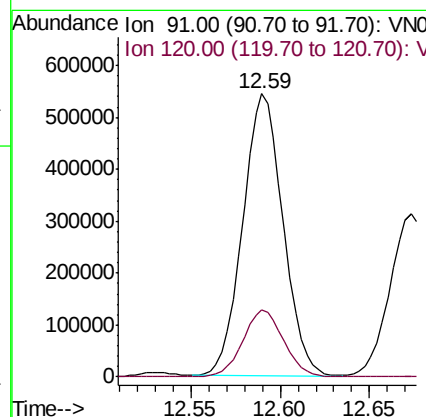
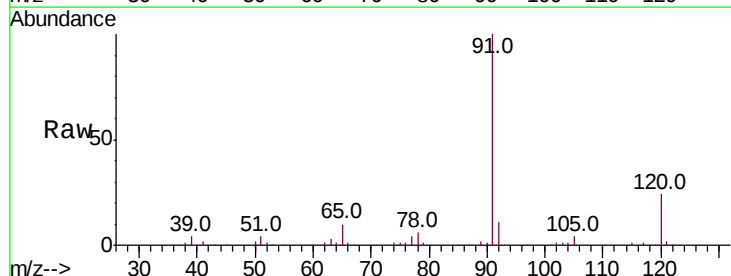
RT: 12.59 min Scan# 3364

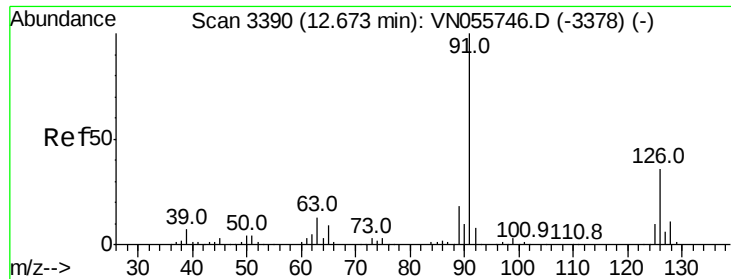
Delta R.T. 0.00 min

Lab File: VN055746.D

Acq: 23 May 2019 10:35

Tgt Ion:	91	Resp:	858015
Ion Ratio	Lower	Upper	
91	100		
120	24.0	12.0	36.0





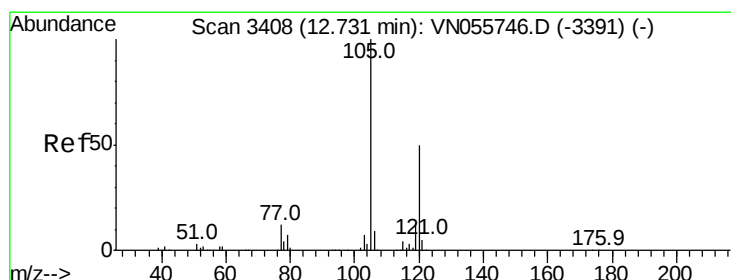
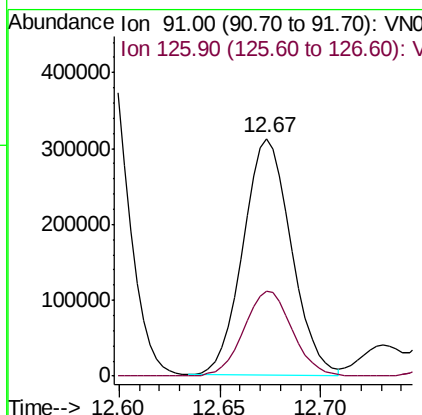
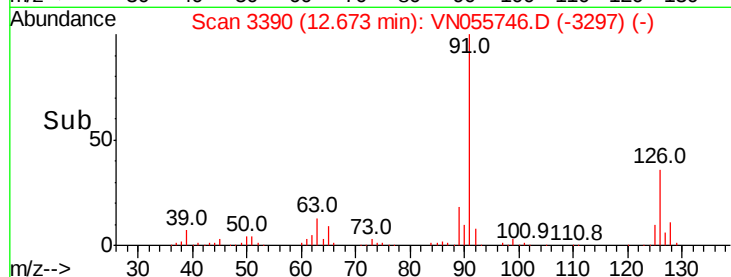
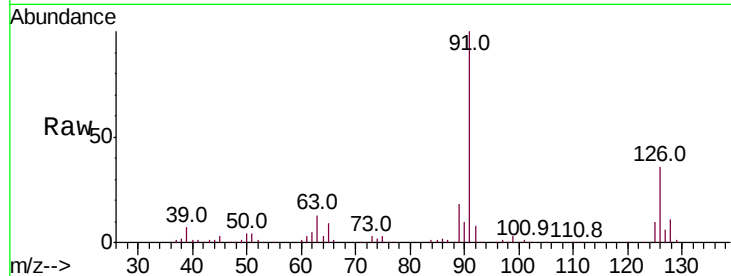
#79
2-Chlorotoluene
Concen: 44.560 ug/l
RT: 12.67 min Scan# 3390
Delta R.T. 0.00 min
Lab File: VN055746.D
Acq: 23 May 2019 10:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 91 Resp: 521437
Ion Ratio Lower Upper
91 100
126 36.3 18.1 54.4

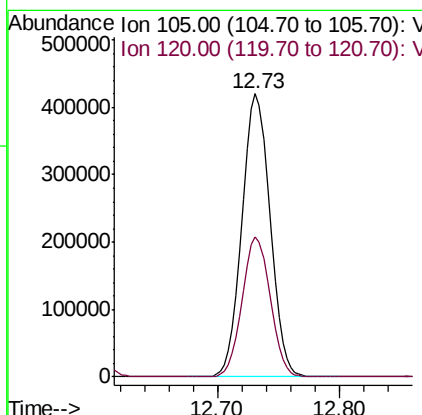
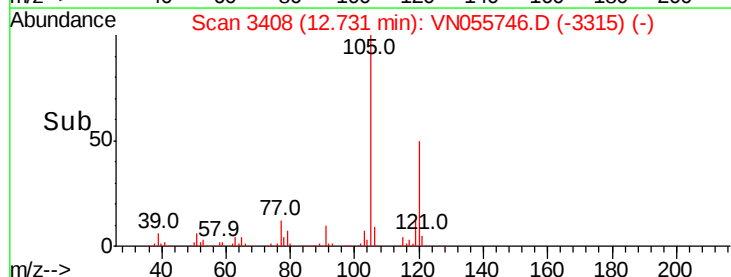
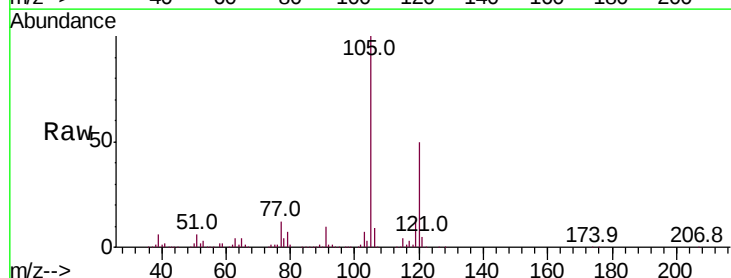
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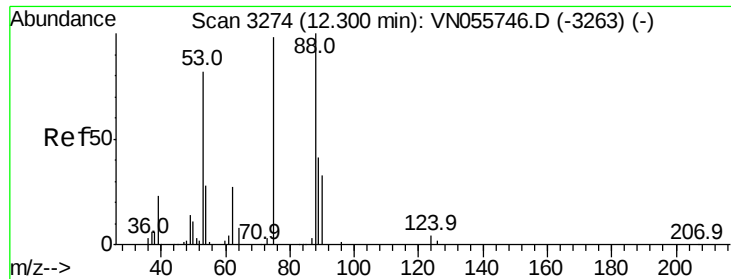
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#80
1,3,5-Trimethylbenzene
Concen: 44.756 ug/l
RT: 12.73 min Scan# 3408
Delta R.T. 0.00 min
Lab File: VN055746.D
Acq: 23 May 2019 10:35

Tgt Ion: 105 Resp: 666220
Ion Ratio Lower Upper
105 100
120 49.4 24.7 74.1





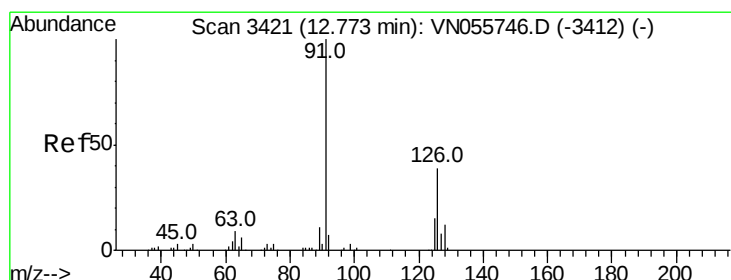
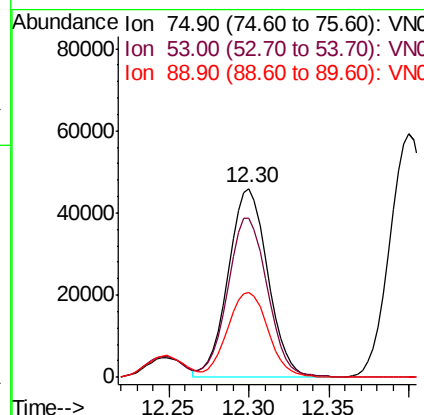
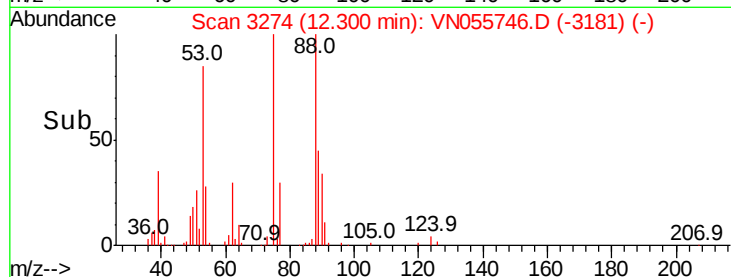
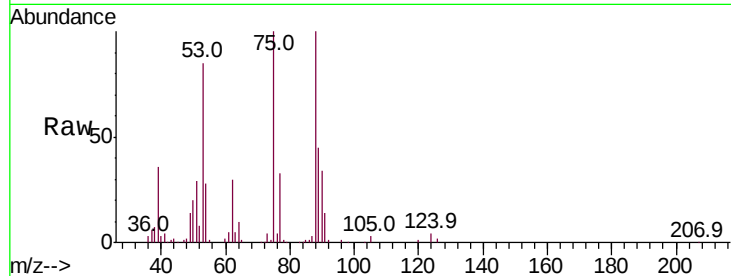
#81
trans-1,4-Dichloro-2-butene
Concen: 45.729 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN055746.D
Acq: 23 May 2019 10:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	85.1	68.1	102.1
89	46.1	36.9	55.3

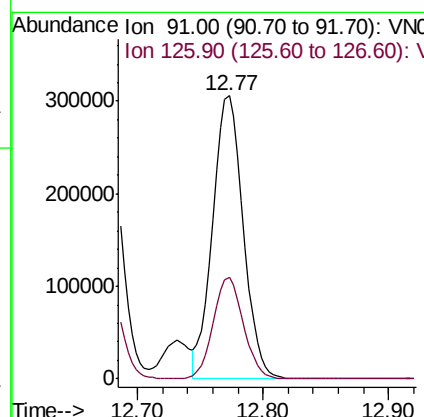
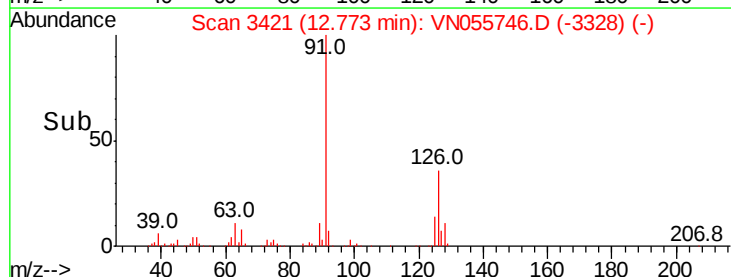
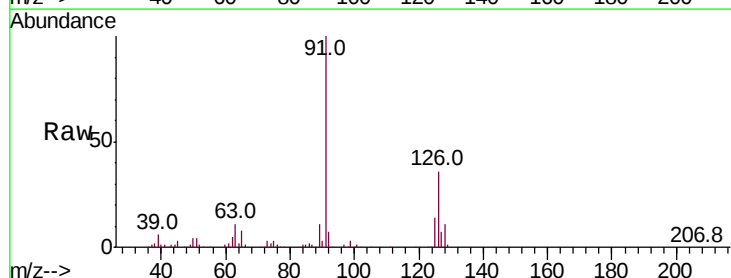
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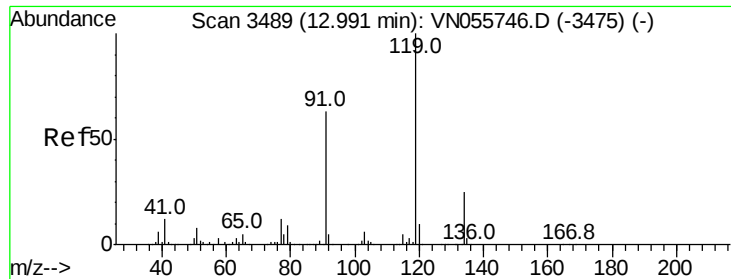
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5/24/2019 9:22:04 AM



#82
4-Chlorotoluene
Concen: 45.684 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN055746.D
Acq: 23 May 2019 10:35

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.5	17.8	53.3





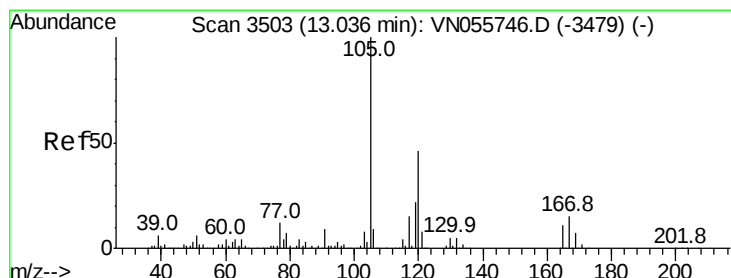
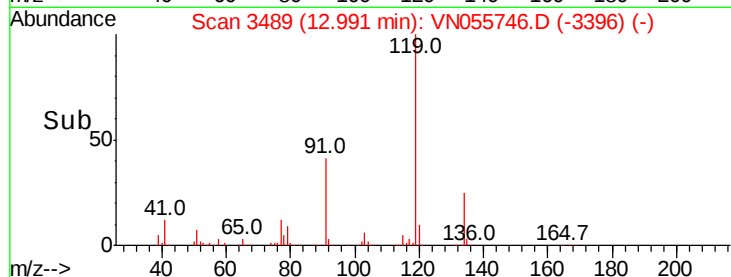
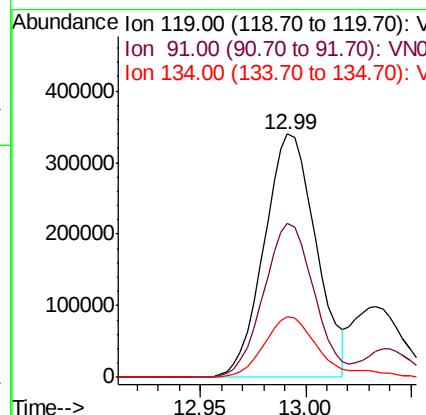
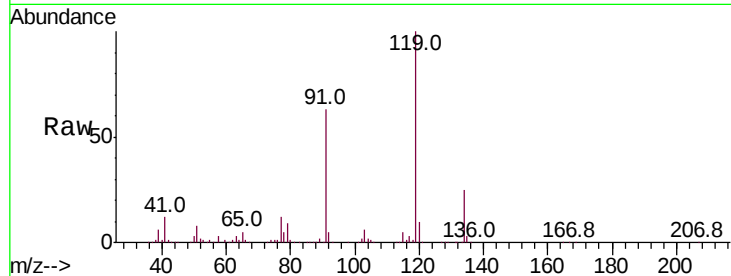
#83
tert-Butylbenzene
Concen: 44.415 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN055746.D
Acq: 23 May 2019 10:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	580110		
91	61.9	30.9	92.8	
134	26.5	13.3	39.8	

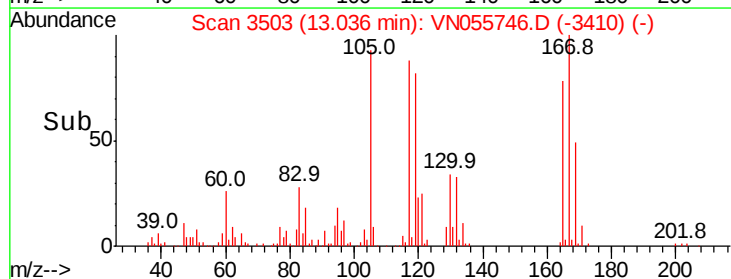
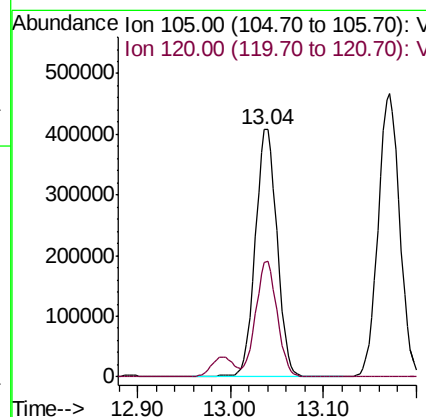
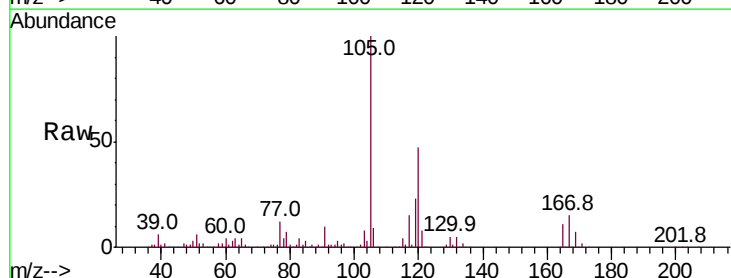
Manual Integrations
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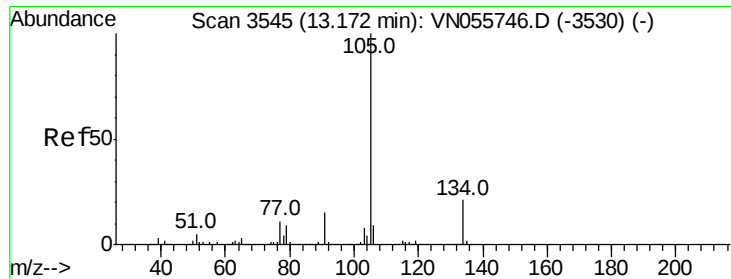
MMDadoda
5/24/2019 9:22:04 AM



#84
1,2,4-Trimethylbenzene
Concen: 45.279 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. 0.00 min
Lab File: VN055746.D
Acq: 23 May 2019 10:35

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	663797		
120	46.0	23.0	69.0	





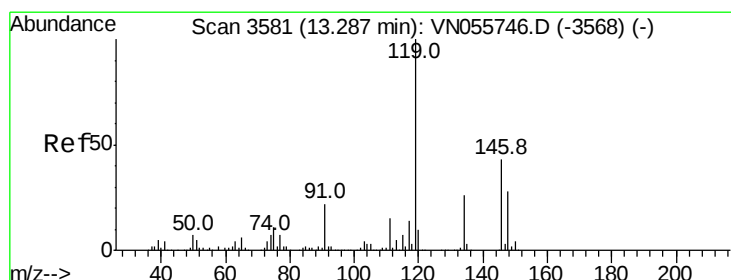
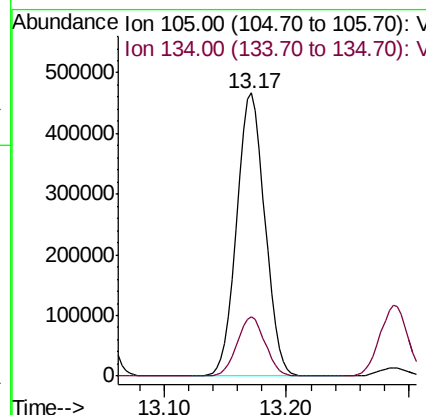
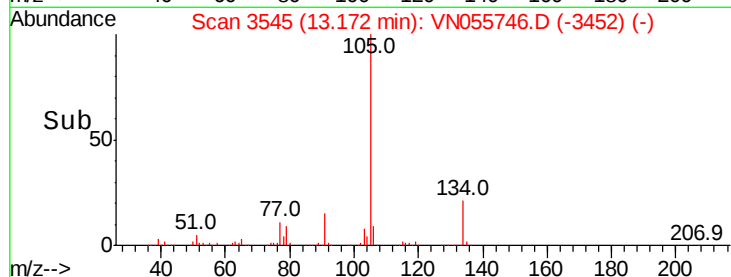
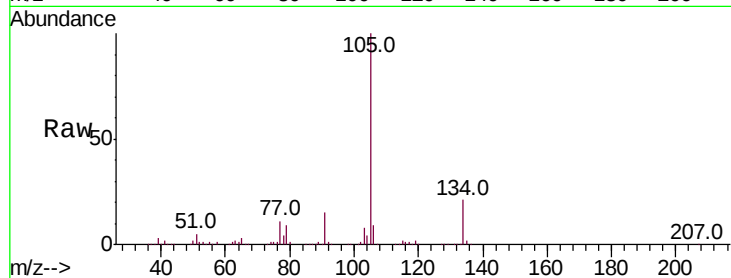
#85
 sec-Butylbenzene
 Concen: 45.158 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN055746.D
 Acq: 23 May 2019 10:35

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.8	10.4	31.2

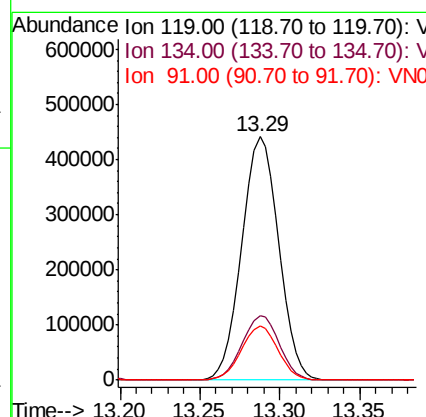
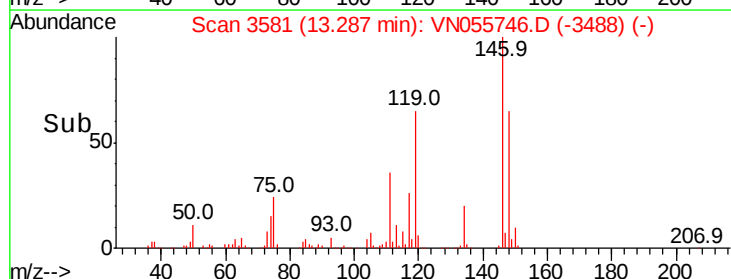
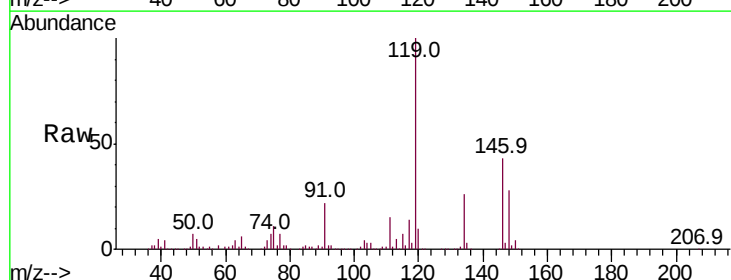
Manual Integrations
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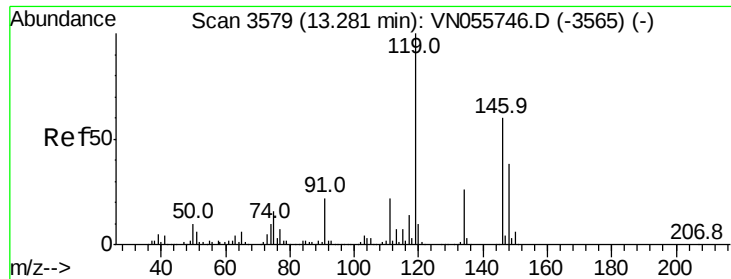
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#86
 p-Isopropyltoluene
 Concen: 45.428 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN055746.D
 Acq: 23 May 2019 10:35

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.7	13.4	40.1
91	21.9	10.9	32.9





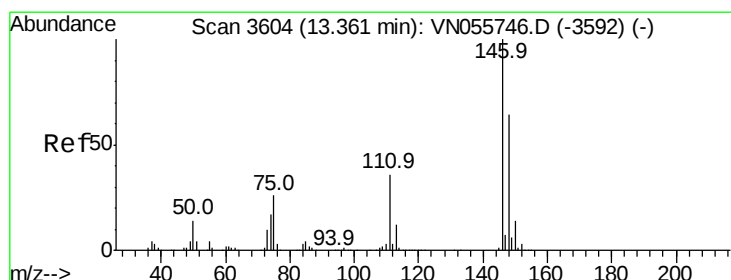
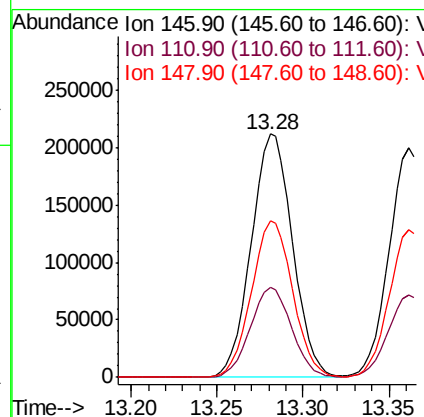
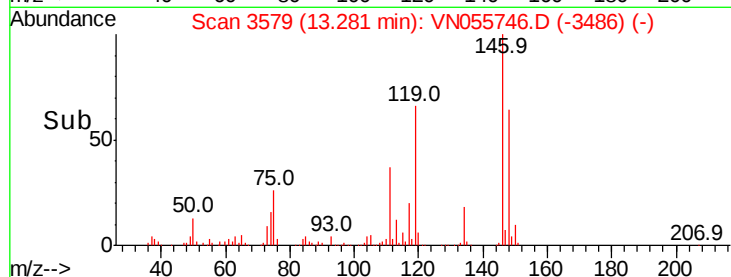
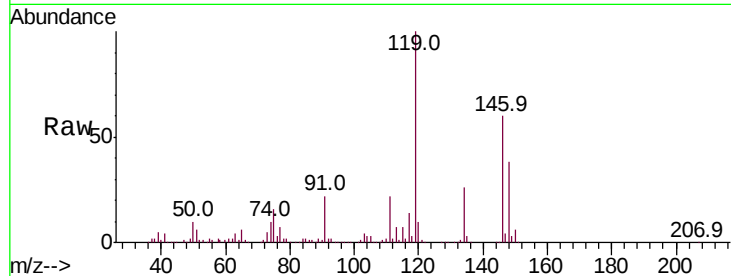
#87
 1,3-Dichlorobenzene
 Concen: 47.796 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055746.D
 Acq: 23 May 2019 10:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.5	55.5
148	64.1	32.0	96.2

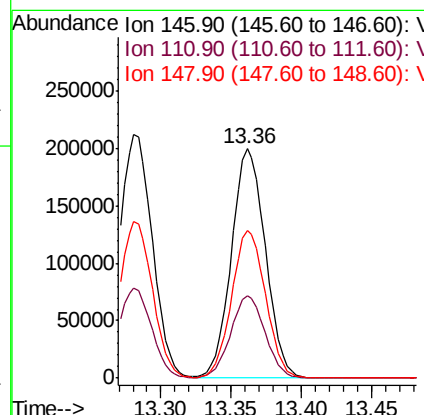
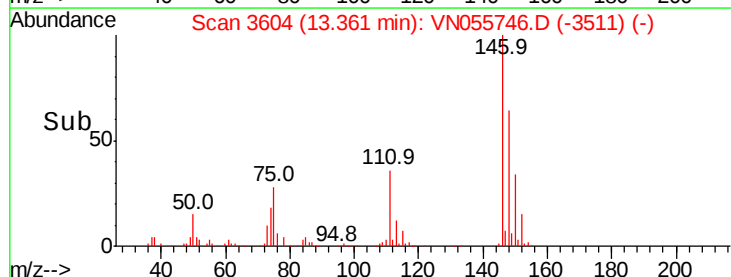
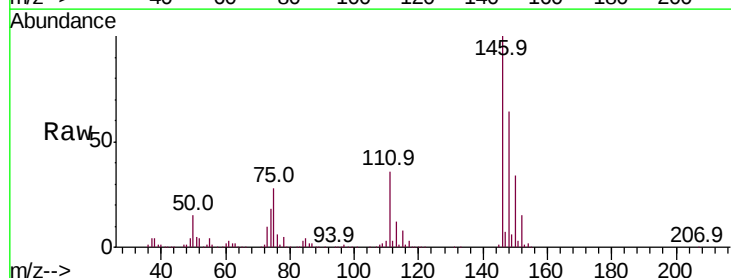
Manual Integrations
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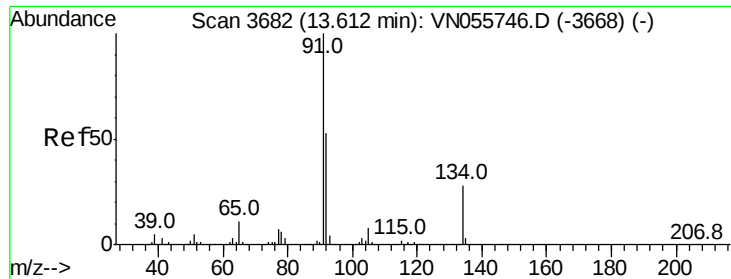
MMDadoda
 5/24/2019 9:22:04 AM



#88
 1,4-Dichlorobenzene
 Concen: 48.041 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN055746.D
 Acq: 23 May 2019 10:35

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.3	18.1	54.4
148	64.3	32.1	96.5





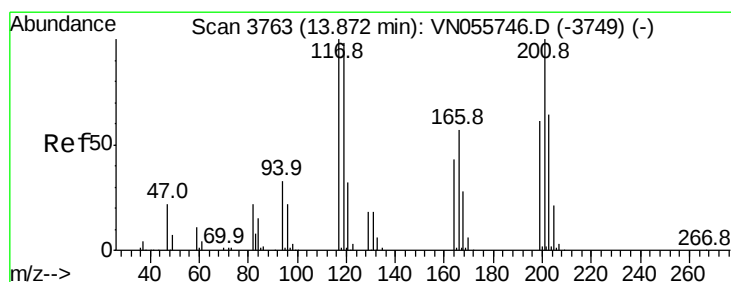
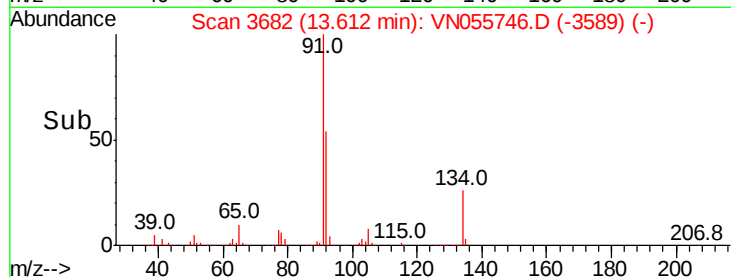
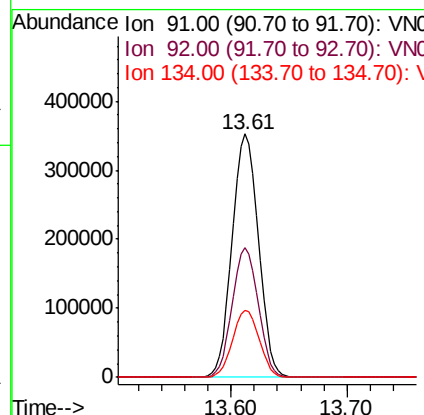
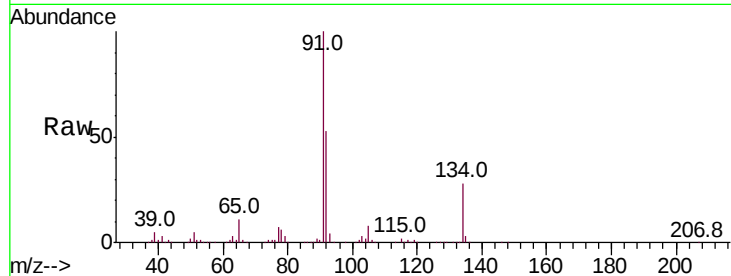
#89
n-Butylbenzene
Concen: 46.551 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055746.D
Acq: 23 May 2019 10:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.4	79.0
134	27.8	13.9	41.7

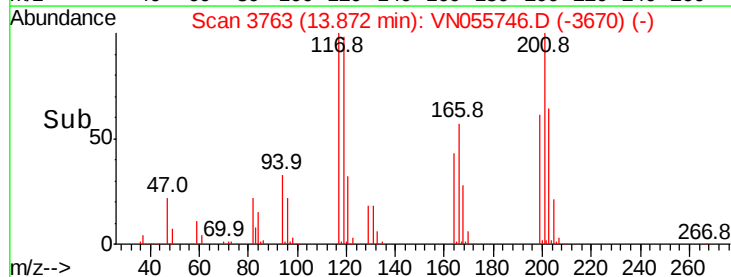
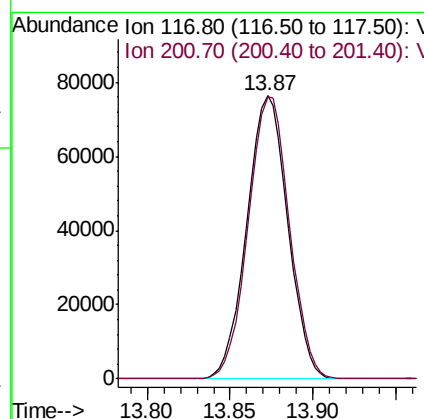
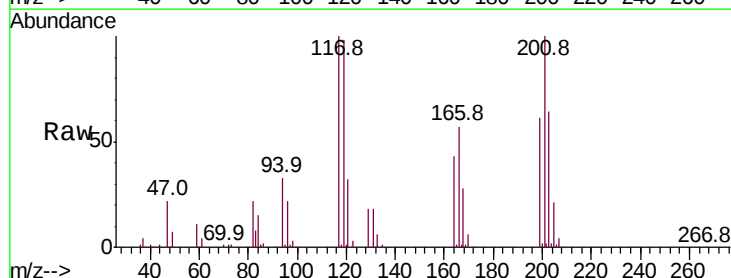
Manual Integrations
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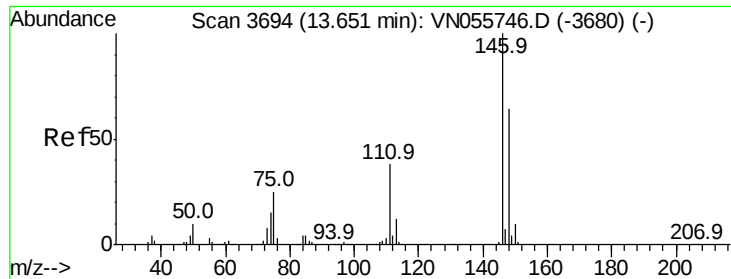
MMDadoda
5/24/2019 9:22:04 AM



#90
Hexachloroethane
Concen: 45.058 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055746.D
Acq: 23 May 2019 10:35

Tgt Ion	Ratio	Lower	Upper
117	100		
201	100.0	50.0	150.0





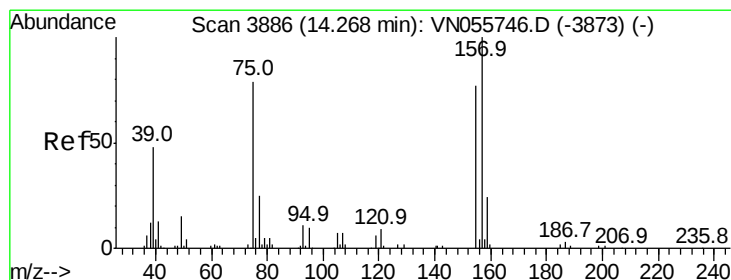
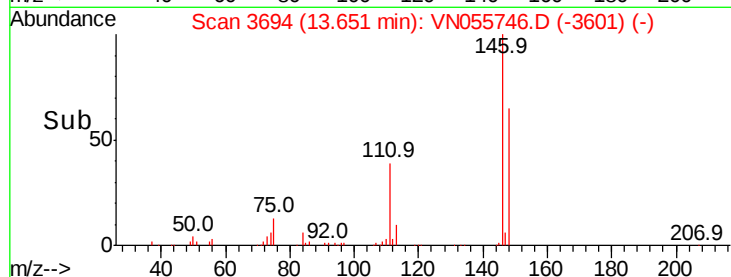
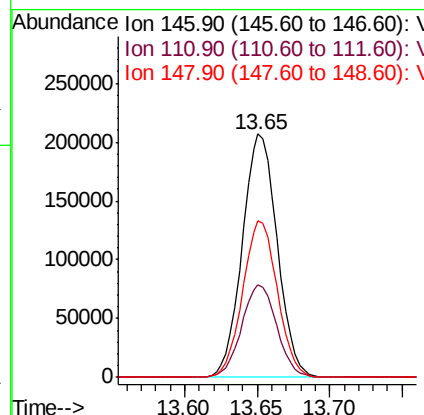
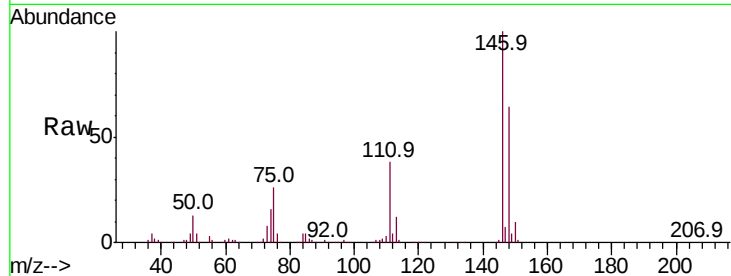
#91
 1,2-Dichlorobenzene
 Concen: 47.200 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN055746.D
 Acq: 23 May 2019 10:35

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.1	57.5
148	63.9	31.9	95.9

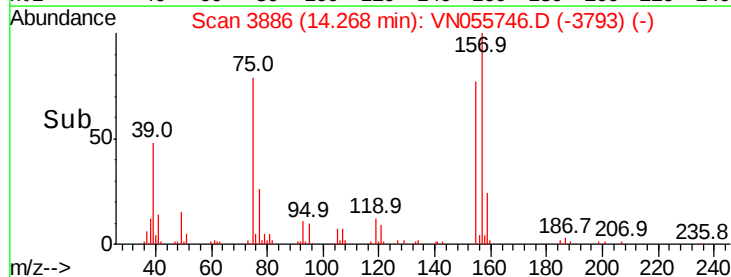
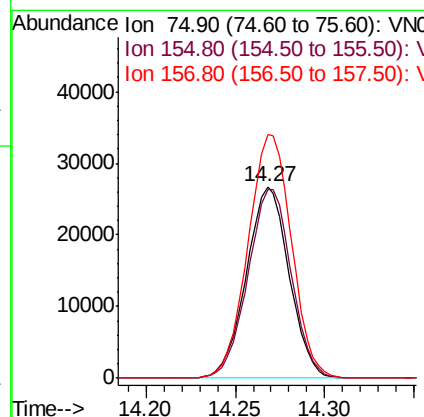
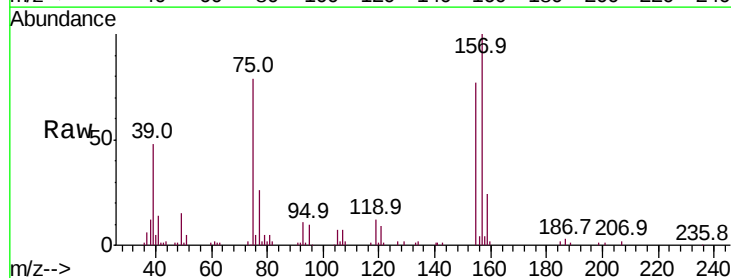
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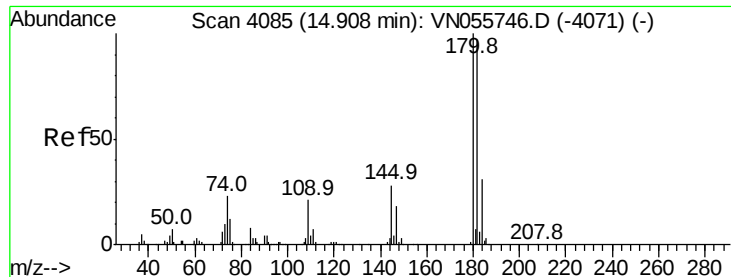
MMDadoda
 5/24/2019 9:22:04 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.010 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN055746.D
 Acq: 23 May 2019 10:35

Tgt Ion	Ratio	Lower	Upper
75	100		
155	100.1	50.0	150.1
157	129.5	64.8	194.3





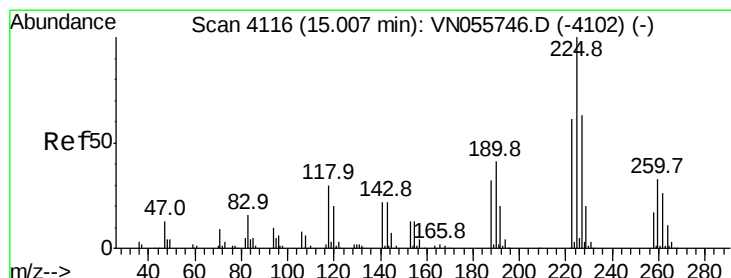
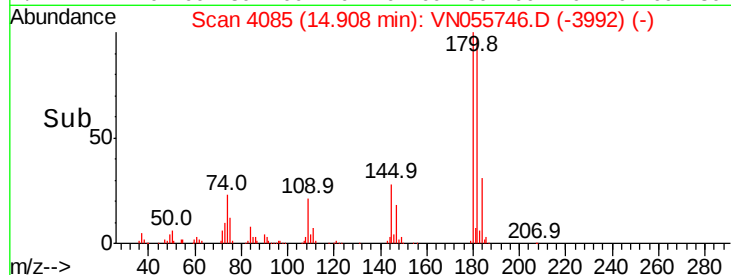
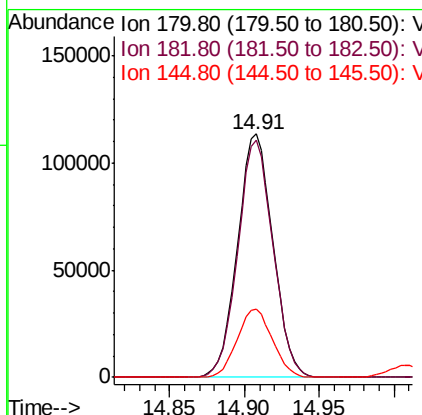
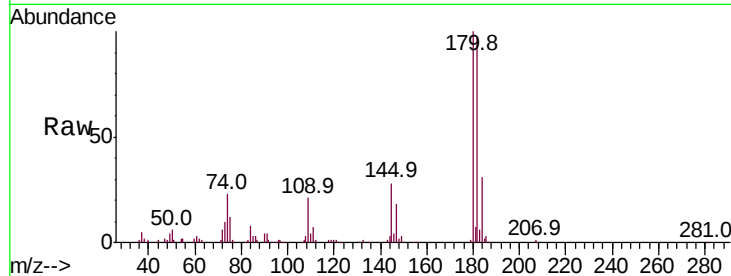
#93
 1,2,4-Trichlorobenzene
 Concen: 50.673 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055746.D
 Acq: 23 May 2019 10:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	186667		
182	96.6	48.3	144.9	
145	27.9	14.0	41.9	

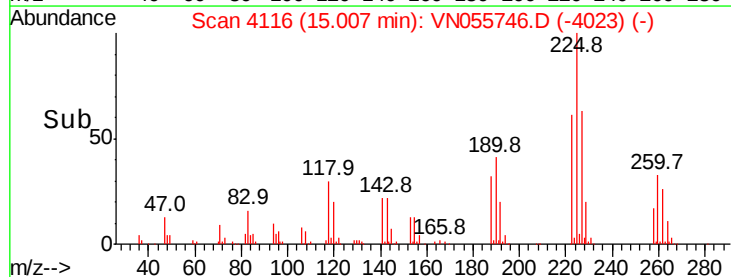
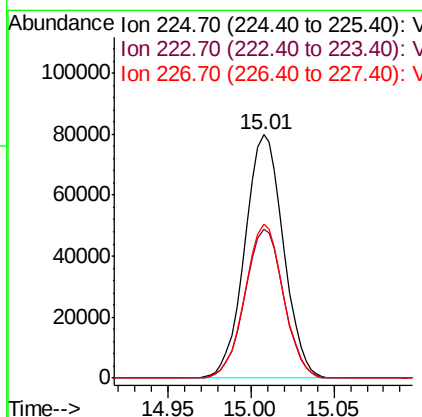
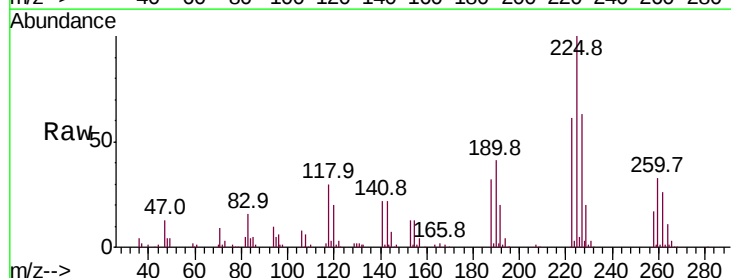
Manual Integrations
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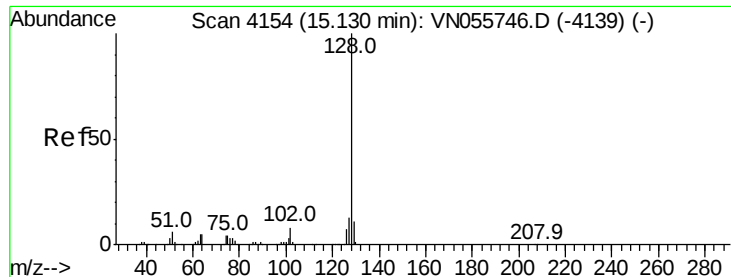
MMDadoda
 5/24/2019 9:22:04 AM



#94
 Hexachlorobutadiene
 Concen: 49.287 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055746.D
 Acq: 23 May 2019 10:35

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	128779		
223	61.8	30.9	92.7	
227	63.1	31.6	94.7	





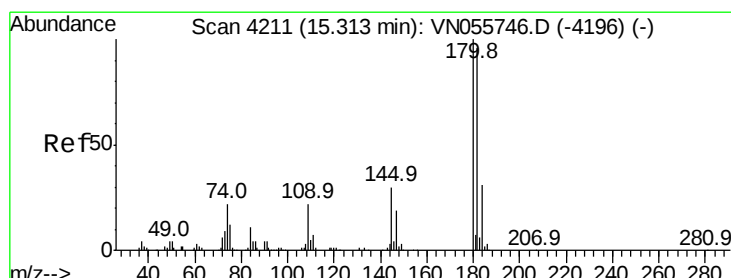
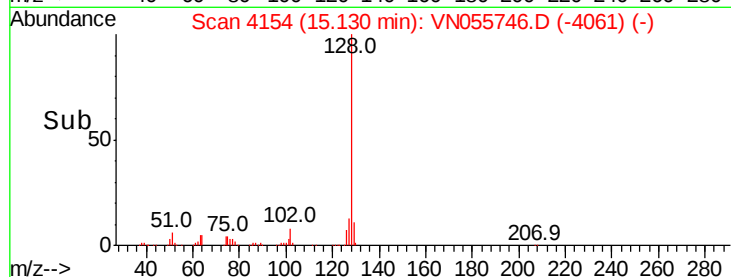
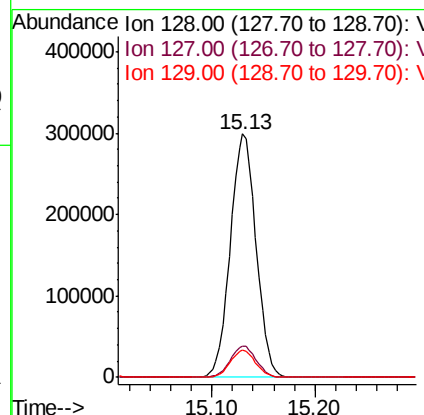
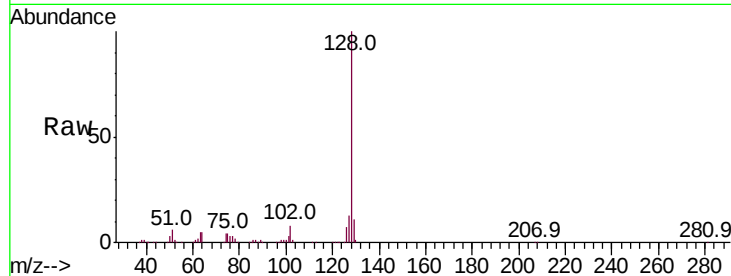
#95
Naphthalene
Concen: 52.219 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN055746.D
Acq: 23 May 2019 10:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion:	128	Resp:	520461
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.3	15.5
129	10.9	8.7	13.1

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 49.892 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN055746.D
Acq: 23 May 2019 10:35

Tgt Ion:	180	Resp:	193863
Ion Ratio	Lower	Upper	
180	100		
182	95.8	47.9	143.7
145	29.8	14.9	44.7

