

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN053119\
 Data File : VN055907.D
 Acq On : 31 May 2019 8:51
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 6/3/2019 4:12:04 PM

Quant Time: May 31 18:23:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052319W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 24 06:41:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	290954	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	424793	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	383796	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	178220	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	160999	53.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.16%	
35) Dibromofluoromethane	7.58	113	141959	52.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.72%	
50) Toluene-d8	10.09	98	544117	52.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.64%	
62) 4-Bromofluorobenzene	12.40	95	193011	54.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	95985	49.018	ug/l	96
3) Chloromethane	2.06	50	130163	47.443	ug/l	100
4) Vinyl Chloride	2.18	62	142006	48.528	ug/l	99
5) Bromomethane	2.52	94	78675	42.975	ug/l	97
6) Chloroethane	2.67	64	90346m	51.280	ug/l	
7) Trichlorofluoromethane	3.00	101	200694	52.313	ug/l	100
8) Diethyl Ether	3.40	74	90045	52.367	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	127047	53.051	ug/l	98
10) Methyl Iodide	3.93	142	178993	51.123	ug/l	99
11) Tert butyl alcohol	4.81	59	144922	252.431	ug/l	100
12) 1,1-Dichloroethene	3.72	96	121524	49.111	ug/l	97
13) Acrolein	3.60	56	90899	221.120	ug/l	97
14) Allyl chloride	4.31	41	212284	50.044	ug/l	99
15) Acrylonitrile	4.99	53	347926	263.921	ug/l	100
16) Acetone	3.82	43	425219	321.936	ug/l	98
17) Carbon Disulfide	4.03	76	290212	41.280	ug/l	99
18) Methyl Acetate	4.32	43	150736	56.295	ug/l	100
19) Methyl tert-butyl Ether	5.04	73	423194	51.279	ug/l	98
20) Methylene Chloride	4.54	84	146092	51.073	ug/l	96
21) trans-1,2-Dichloroethene	5.03	96	132113	49.696	ug/l	98
22) Diisopropyl ether	5.95	45	438048	53.093	ug/l	100
23) Vinyl Acetate	5.89	43	1830874	258.822	ug/l	99
24) 1,1-Dichloroethane	5.84	63	246436	51.301	ug/l	100
25) 2-Butanone	6.84	43	521911	282.935	ug/l	99
26) 2,2-Dichloropropane	6.82	77	207253	49.852	ug/l	100
27) cis-1,2-Dichloroethene	6.82	96	160121	51.627	ug/l	98
28) Bromochloromethane	7.19	49	120312	52.604	ug/l	98
29) Tetrahydrofuran	7.21	42	302714	259.140	ug/l	99
30) Chloroform	7.37	83	252858	52.781	ug/l	100
31) Cyclohexane	7.64	56	223767	49.616	ug/l	99
32) 1,1,1-Trichloroethane	7.56	97	211972	49.584	ug/l	99
36) 1,1-Dichloropropene	7.79	75	184312	49.789	ug/l	100
37) Ethyl Acetate	6.93	43	187817	52.494	ug/l	98
38) Carbon Tetrachloride	7.77	117	180810	46.890	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	231746	50.554	ug/l	99
40) Benzene	8.04	78	579199	51.914	ug/l	99
41) Methacrylonitrile	7.17	41	91087	50.392	ug/l	99
42) 1,2-Dichloroethane	8.12	62	188395	51.677	ug/l	99
43) Isopropyl Acetate	8.16	43	303894	50.552	ug/l #	91
44) Trichloroethene	8.83	130	159994	51.440	ug/l	100
45) 1,2-Dichloropropane	9.12	63	153558	52.827	ug/l	99
46) Dibromomethane	9.20	93	100417	52.675	ug/l	96
47) Bromodichloromethane	9.40	83	195754	50.078	ug/l	100
48) Methyl methacrylate	9.20	41	149643	54.012	ug/l	98
49) 1,4-Dioxane	9.20	88	63936	1110.500	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	935621	263.527	ug/l	100
52) Toluene	10.15	92	368699	52.545	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	211408	50.667	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	237708	51.426	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	147763	52.566	ug/l	98
56) Ethyl methacrylate	10.43	69	227541	52.376	ug/l	98
57) 1,3-Dichloropropane	10.71	76	242718	53.120	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	431109	259.668	ug/l	99
59) 2-Hexanone	10.75	43	684574	271.800	ug/l	100
60) Dibromochloromethane	10.90	129	160216	48.926	ug/l	99
61) 1,2-Dibromoethane	11.00	107	153963	52.804	ug/l	100
64) Tetrachloroethene	10.63	164	161221	49.806	ug/l	99
65) Chlorobenzene	11.43	112	399665	52.018	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	148506	48.463	ug/l	99
67) Ethyl Benzene	11.51	91	711690	51.654	ug/l	99
68) m/p-Xylenes	11.62	106	549095	105.417	ug/l	99
69) o-Xylene	11.95	106	268800	52.014	ug/l	99
70) Styrene	11.96	104	450211	53.796	ug/l	99
71) Bromoform	12.12	173	116624	44.619	ug/l #	99
73) Isopropylbenzene	12.25	105	707077	56.100	ug/l	100
74) N-amyl acetate	12.07	43	254644	52.897	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	206624	55.388	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	167678m	54.952	ug/l	
77) Bromobenzene	12.52	156	184141	48.419	ug/l	99
78) n-propylbenzene	12.59	91	787958	50.870	ug/l	100
79) 2-Chlorotoluene	12.67	91	469553	56.615	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	603709	56.930	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	61216	46.215	ug/l	95
82) 4-Chlorotoluene	12.77	91	461674	50.704	ug/l	98
83) tert-Butylbenzene	12.99	119	521190	56.923	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	596757	56.310	ug/l	99
85) sec-Butylbenzene	13.17	105	690551	57.933	ug/l	99
86) p-Isopropyltoluene	13.29	119	632735	51.123	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	310790	51.610	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	298421	52.124	ug/l	100
89) n-Butylbenzene	13.61	91	503917	53.139	ug/l	100
90) Hexachloroethane	13.87	117	101884	43.249	ug/l	92
91) 1,2-Dichlorobenzene	13.65	146	309885	51.579	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	36549	46.284	ug/l	98

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QLast Update : Fri May 24 06:41:54 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	163007	47.364	ug/l	98
94) Hexachlorobutadiene	15.01	225	110346	52.271	ug/l	99
95) Naphthalene	15.13	128	436494	52.945	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	171846	54.110	ug/l	99

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

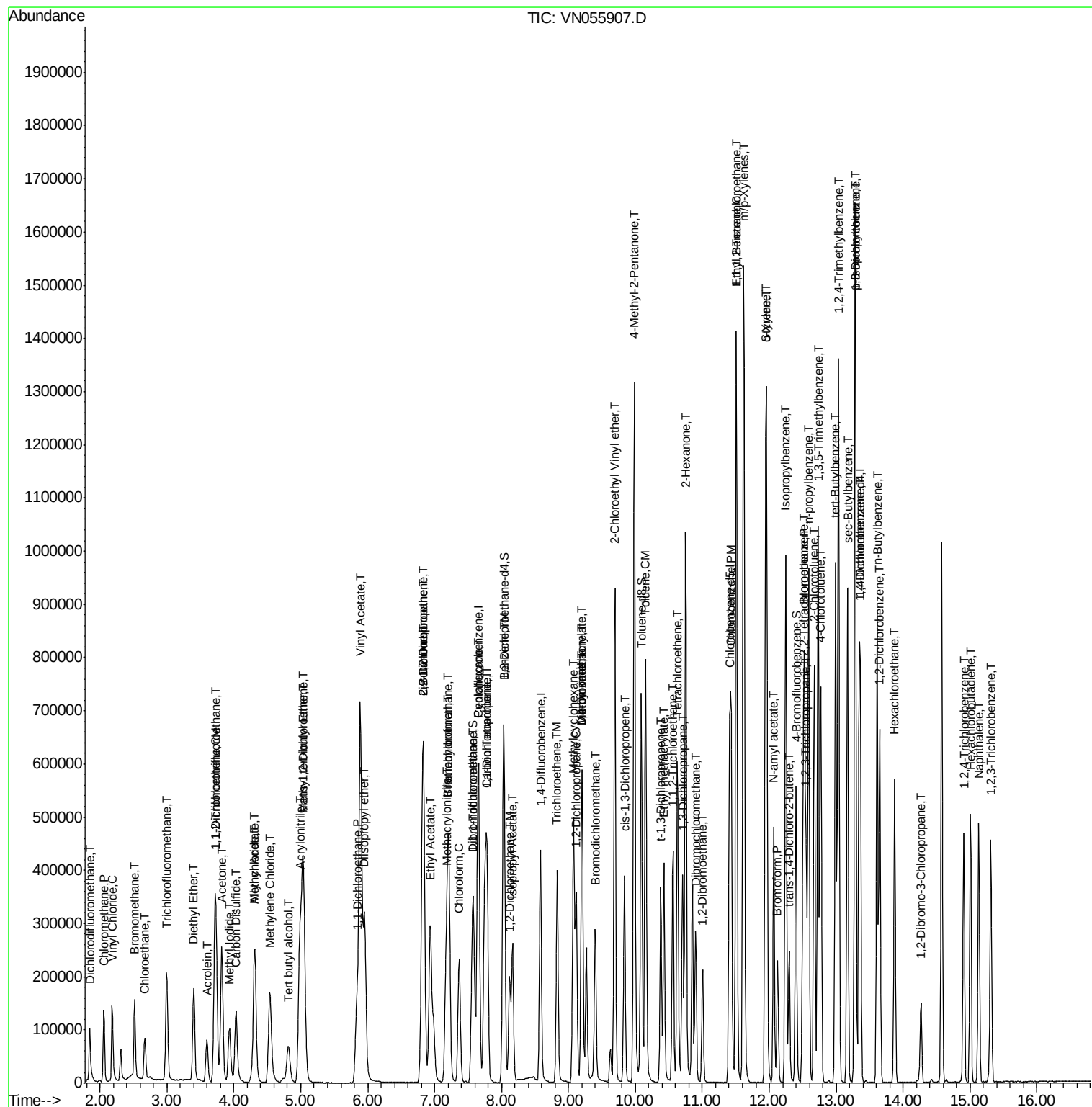
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 Data File : VN055907.D
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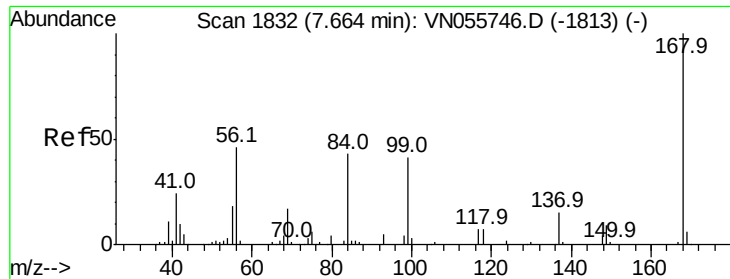
Instrument :
 MSVOA_N
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 VSTDCCC050

Manual Integrations
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. -0.00 min

Lab File: VN055907.D

Acq: 31 May 2019 8:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 290954

Ion Ratio Lower Upper

168 100

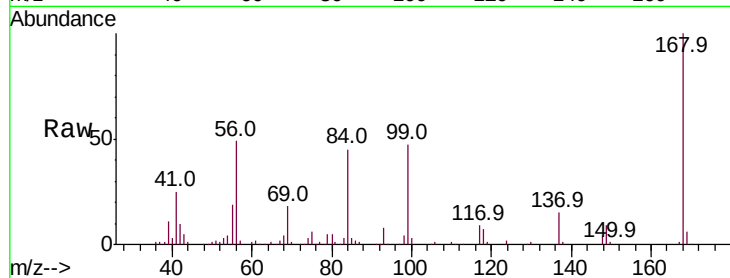
99 46.2 37.2 55.8

Manual Integrations

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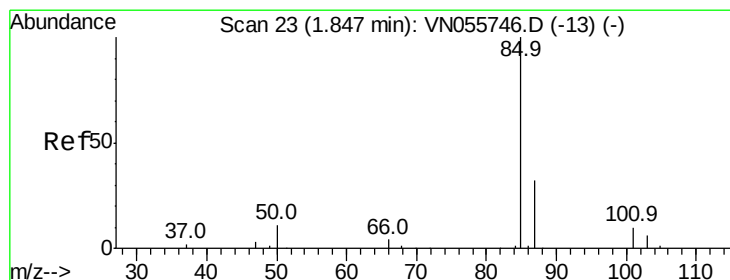
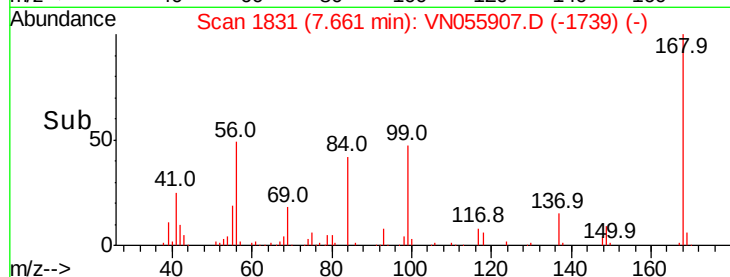
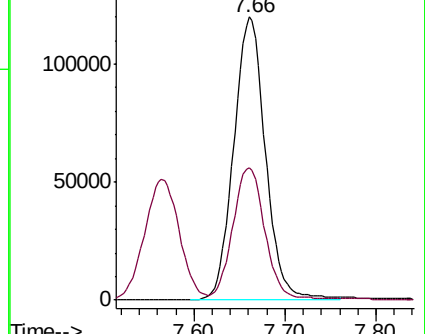
MMDadoda

6/3/2019 4:12:04 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 49.018 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN055907.D

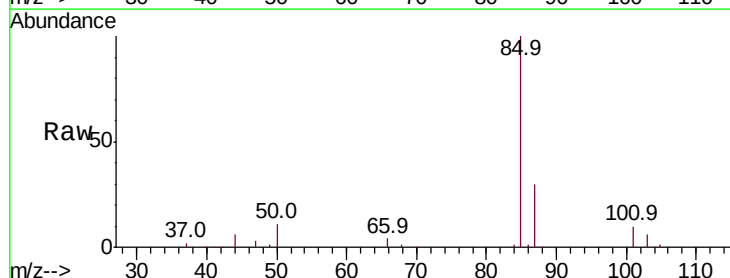
Acq: 31 May 2019 8:51

Tgt Ion: 85 Resp: 95985

Ion Ratio Lower Upper

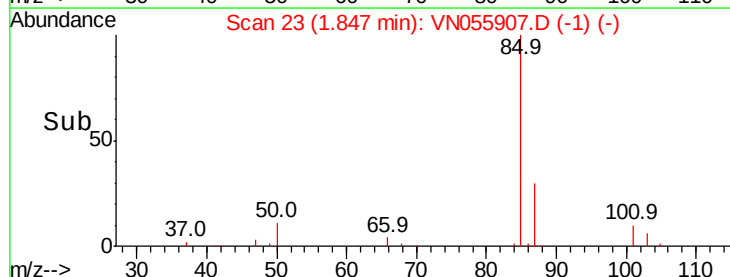
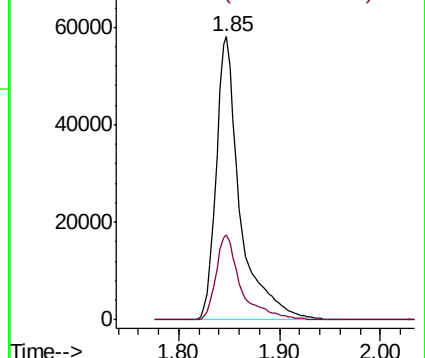
85 100

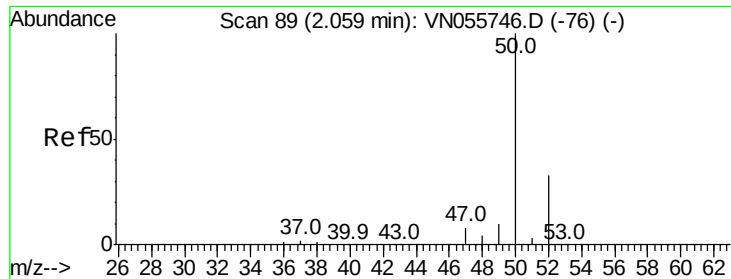
87 30.0 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 47.443 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN055907.D

Acq: 31 May 2019 8:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 130163

Ion Ratio Lower Upper

50 100

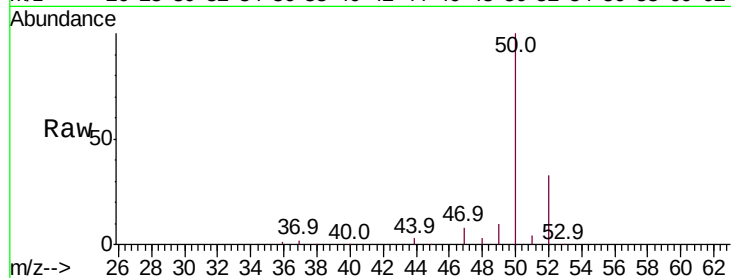
52 33.3 26.6 40.0

Manual Integrations

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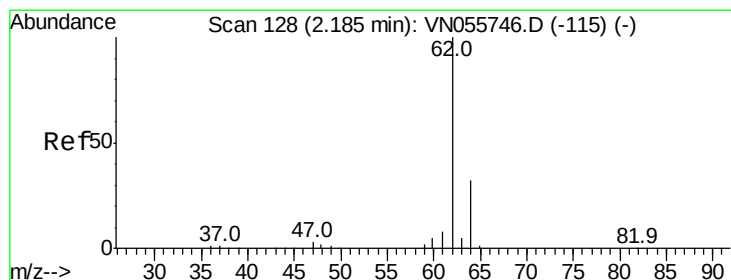
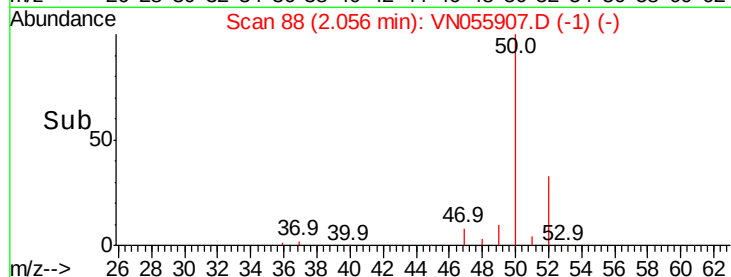
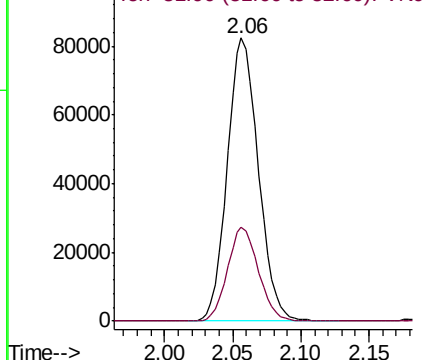
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Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 48.528 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN055907.D

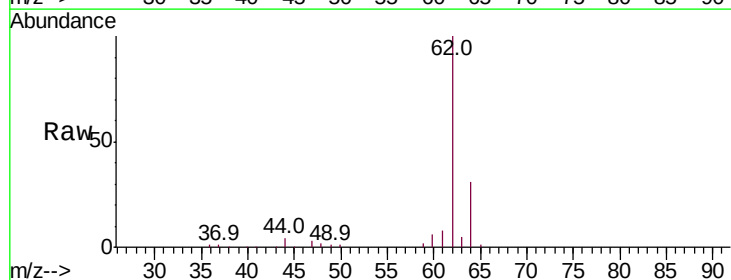
Acq: 31 May 2019 8:51

Tgt Ion: 62 Resp: 142006

Ion Ratio Lower Upper

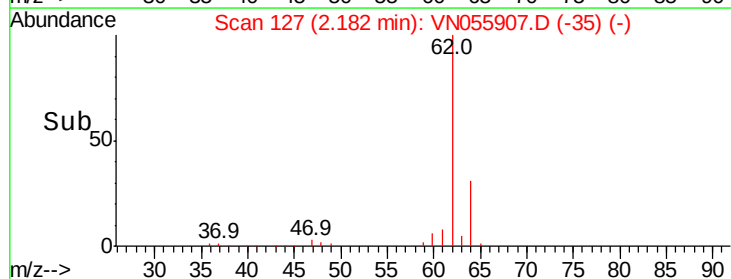
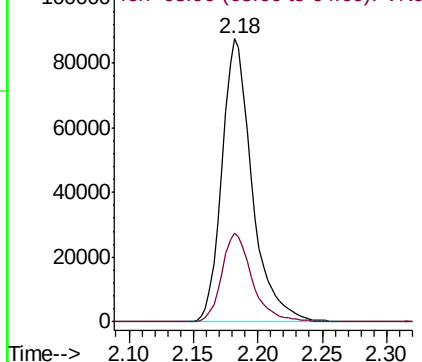
62 100

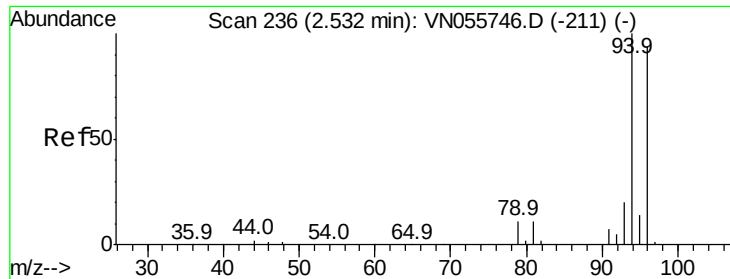
64 31.3 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





#5

Bromomethane

Concen: 42.975 ug/l

RT: 2.52 min Scan# 231

Delta R.T. -0.02 min

Lab File: VN055907.D

Acq: 31 May 2019 8:51

Instrument :

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VSTDCCC050

Tot Ion: 94 Resp: 78675

Ion Ratio Lower Upper

94 100

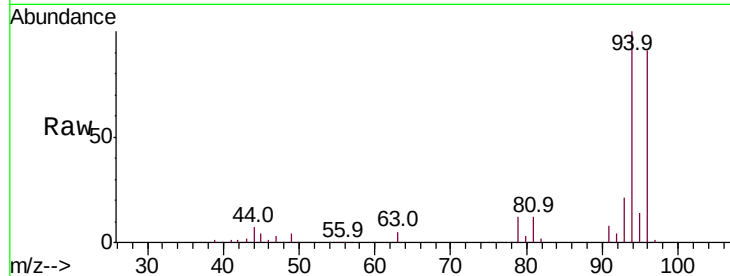
96 91.2 75.5 113.3

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

2.52

60000

50000

40000

30000

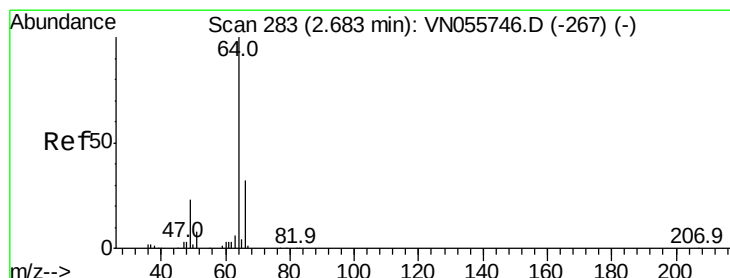
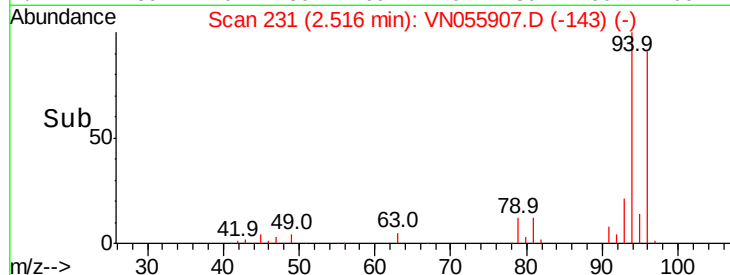
20000

10000

0

Time-->

2.45 2.50 2.55 2.60



#6

Chloroethane

Concen: 51.280 ug/l m

RT: 2.67 min Scan# 278

Delta R.T. -0.02 min

Lab File: VN055907.D

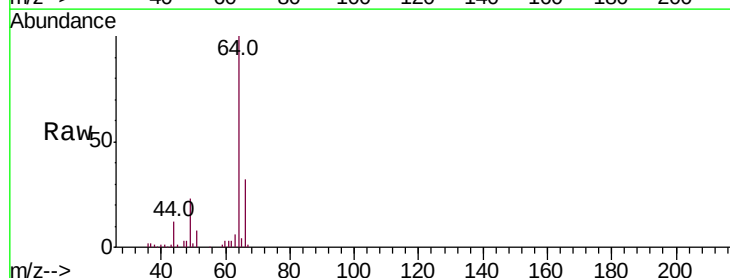
Acq: 31 May 2019 8:51

Tgt Ion: 64 Resp: 90346

Ion Ratio Lower Upper

64 100

66 31.8 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.67

40000

30000

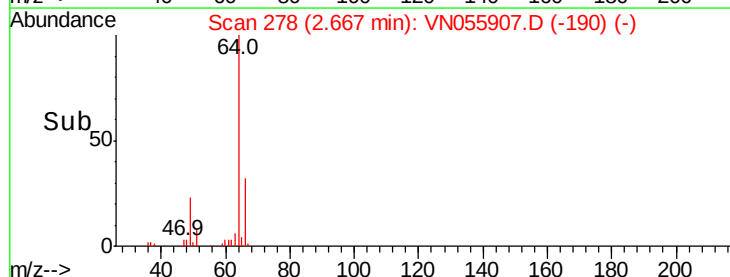
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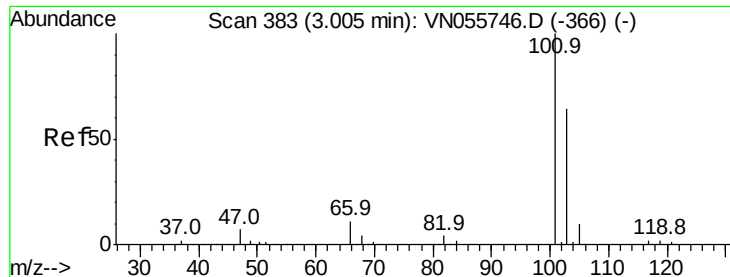
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0

Time-->

2.60 2.70 2.80 2.90





#7

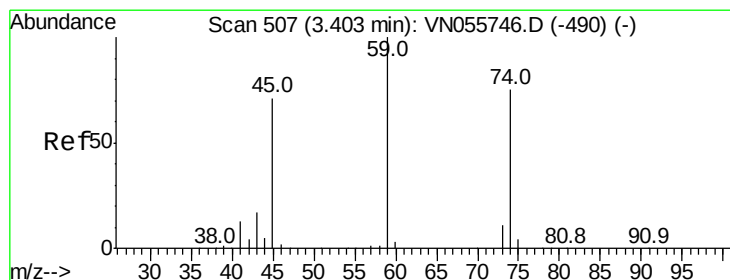
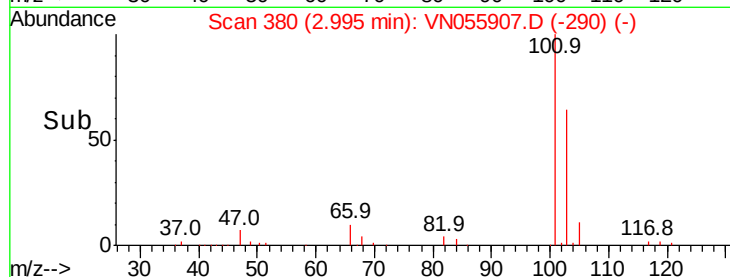
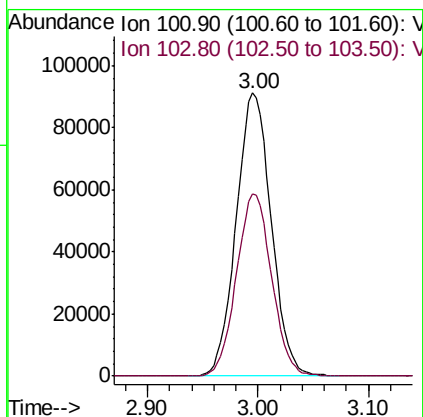
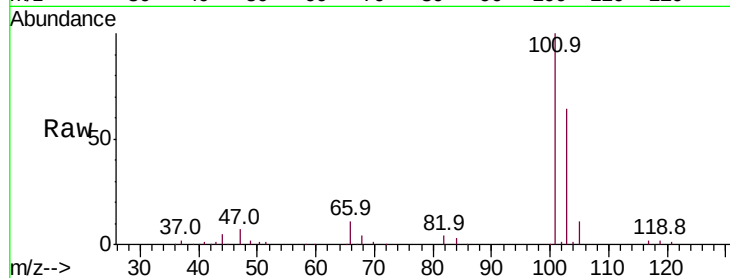
Trichlorofluoromethane
Concen: 52.313 ug/l
RT: 3.00 min Scan# 380
Delta R.T. -0.01 min
Lab File: VN055907.D
Acq: 31 May 2019 8:51

Instrument :
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VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.3	51.2	76.8

Manual Integrations
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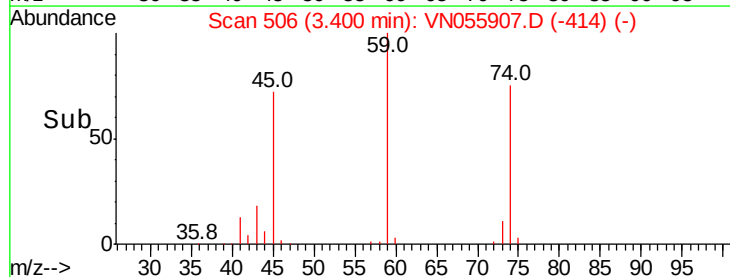
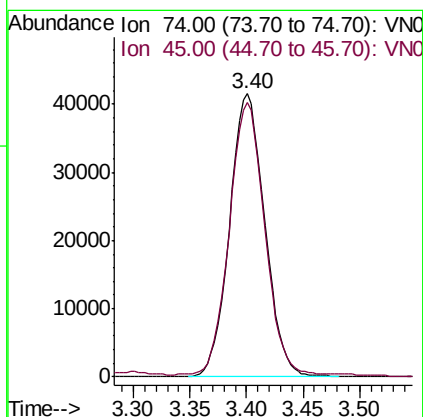
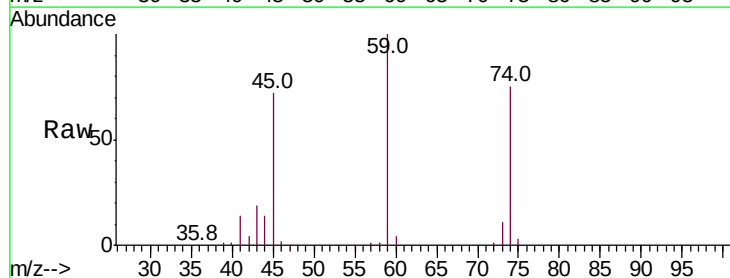
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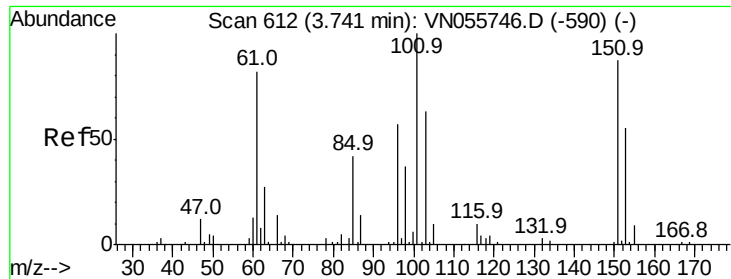


#8

Diethyl Ether
Concen: 52.367 ug/l
RT: 3.40 min Scan# 506
Delta R.T. -0.00 min
Lab File: VN055907.D
Acq: 31 May 2019 8:51

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.1	48.6	145.9





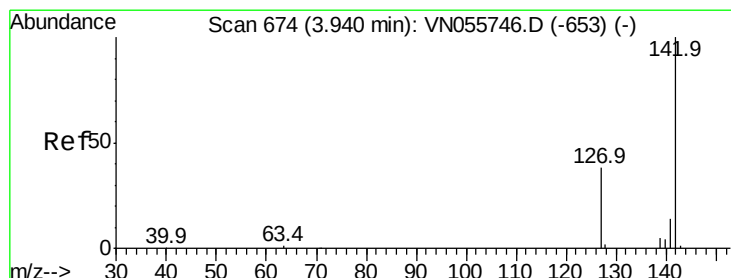
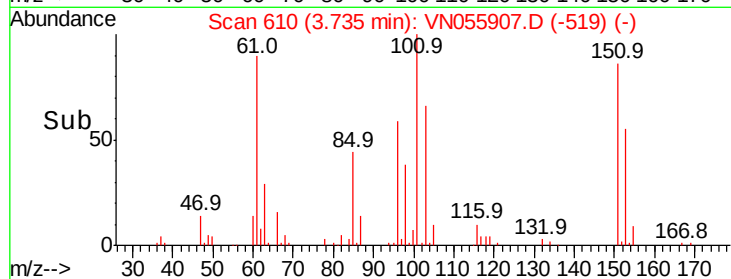
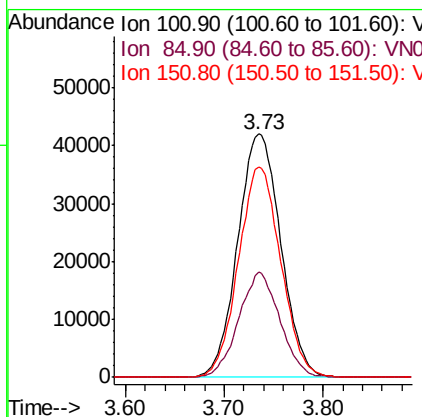
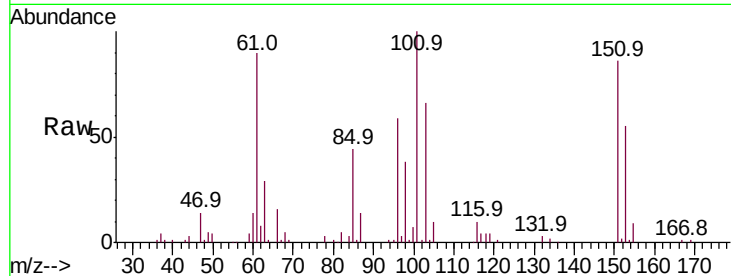
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 53.051 ug/l
 RT: 3.73 min Scan# 610
 Delta R.T. -0.01 min
 Lab File: VN055907.D
 Acq: 31 May 2019 8:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	101	Resp:	127047
Ion Ratio	Lower	Upper	
101	100		
85	41.2	33.4	50.2
151	85.0	69.4	104.2

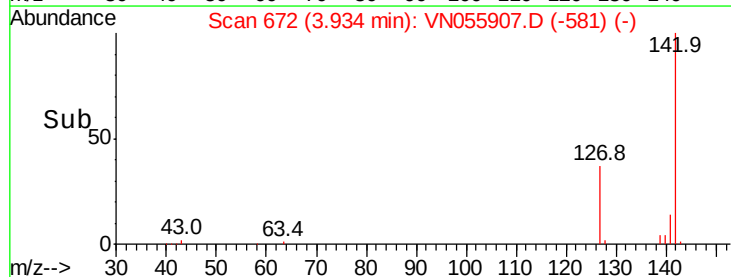
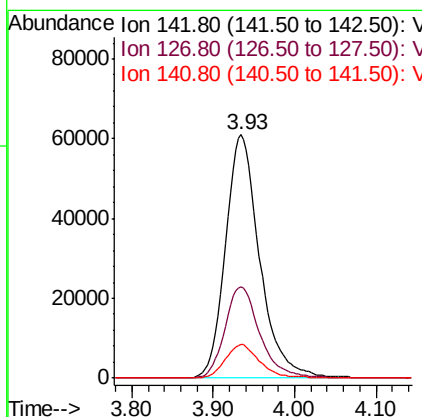
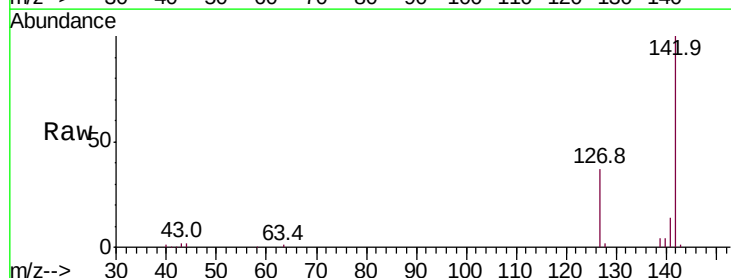
Manual Integrations
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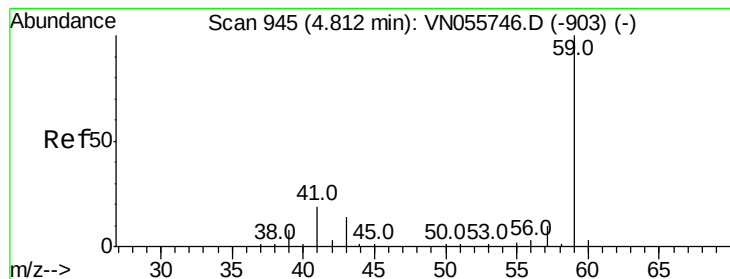
MMDadoda
 6/3/2019 4:12:04 PM



#10
 Methyl Iodide
 Concen: 51.123 ug/l
 RT: 3.93 min Scan# 672
 Delta R.T. -0.01 min
 Lab File: VN055907.D
 Acq: 31 May 2019 8:51

Tgt Ion:	142	Resp:	178993
Ion Ratio	Lower	Upper	
142	100		
127	38.4	31.0	46.4
141	13.9	11.4	17.0





#11

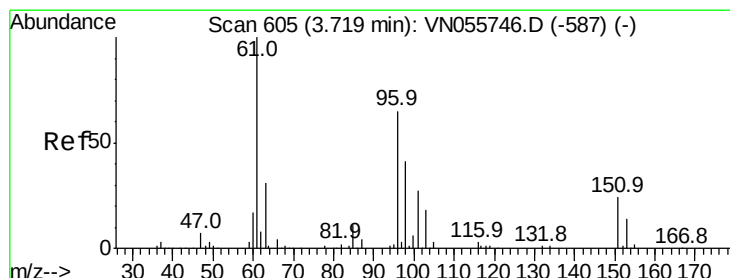
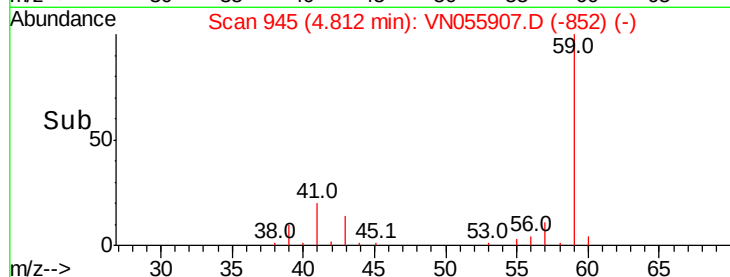
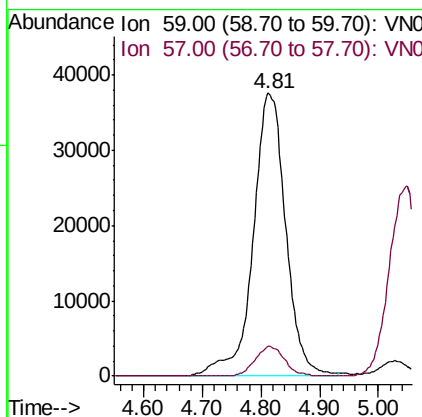
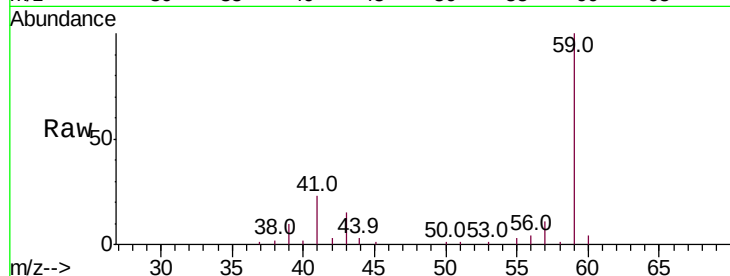
Tert butyl alcohol
 Concen: 252.431 ug/l
 RT: 4.81 min Scan# 945
 Delta R.T. 0.00 min
 Lab File: VN055907.D
 Acq: 31 May 2019 8:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.5	7.8	11.6

Manual Integrations
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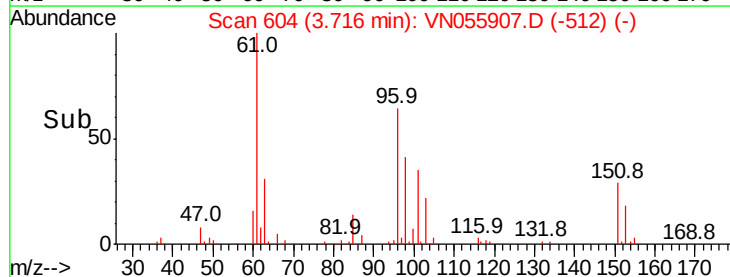
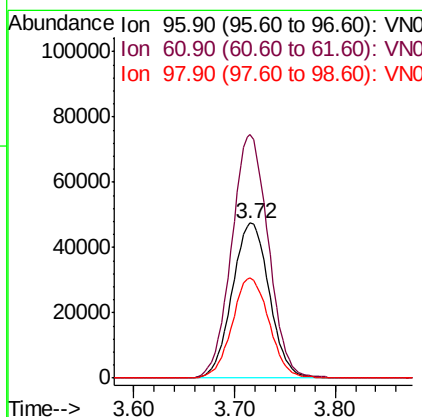
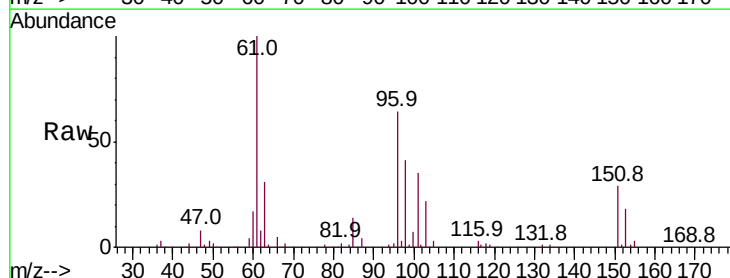
MMDadoda
 6/3/2019 4:12:04 PM

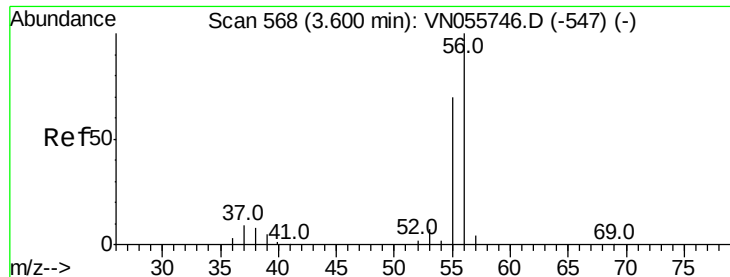


#12

1,1-Dichloroethene
 Concen: 49.111 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. -0.00 min
 Lab File: VN055907.D
 Acq: 31 May 2019 8:51

Tgt Ion	Ratio	Lower	Upper
96	100		
61	157.2	123.2	184.8
98	65.0	50.4	75.6





#13

Acrolein

Concen: 221.120 ug/l

RT: 3.60 min Scan# 567

Delta R.T. -0.00 min

Lab File: VN055907.D

Acq: 31 May 2019 8:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 90899

Ion Ratio Lower Upper

56 100

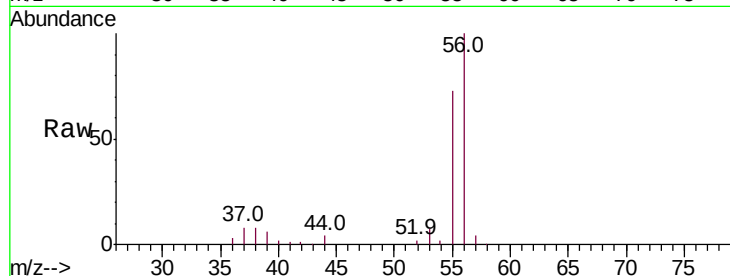
55 71.7 55.4 83.2

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.60

40000

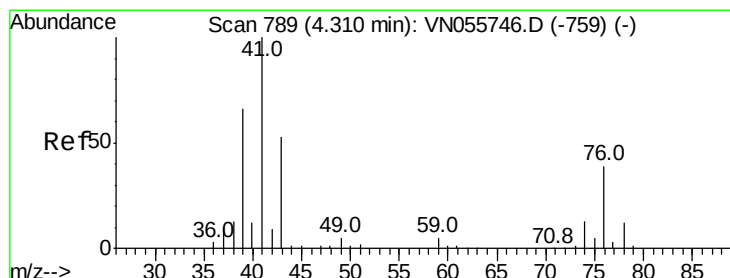
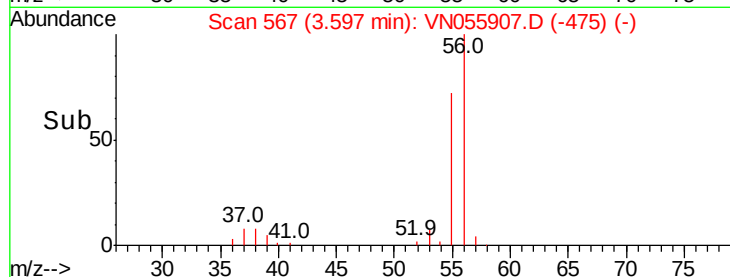
30000

20000

10000

0

Time-->



#14

Allyl chloride

Concen: 50.044 ug/l

RT: 4.31 min Scan# 788

Delta R.T. -0.00 min

Lab File: VN055907.D

Acq: 31 May 2019 8:51

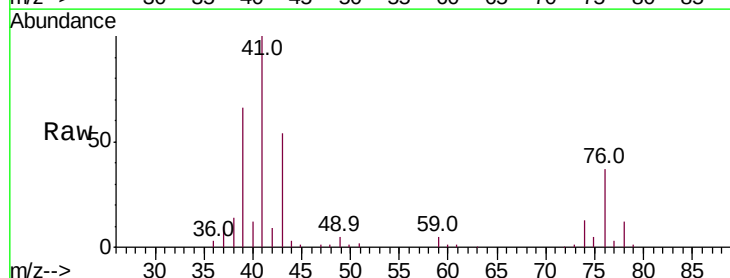
Tgt Ion: 41 Resp: 212284

Ion Ratio Lower Upper

41 100

39 62.7 50.0 75.0

76 33.7 28.2 42.2



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

4.31

80000

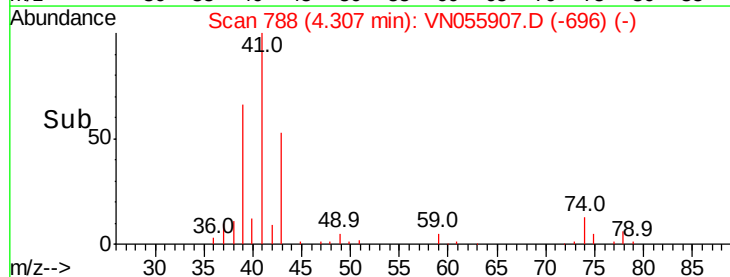
60000

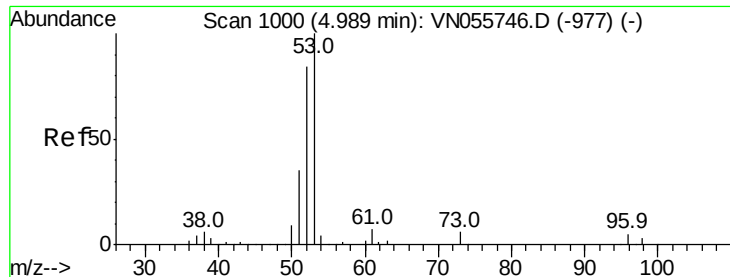
40000

20000

0

Time-->





#15

Acrylonitrile

Concen: 263.921 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN055907.D

Acq: 31 May 2019 8:51

Instrument :

MSVOA_N

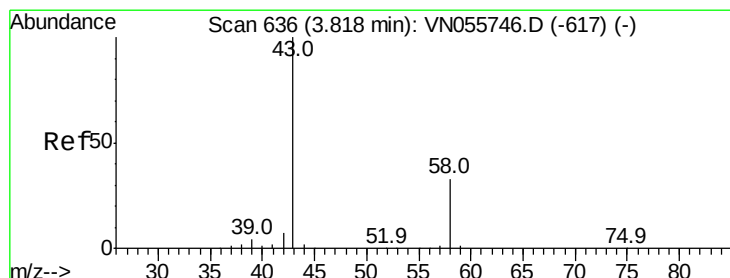
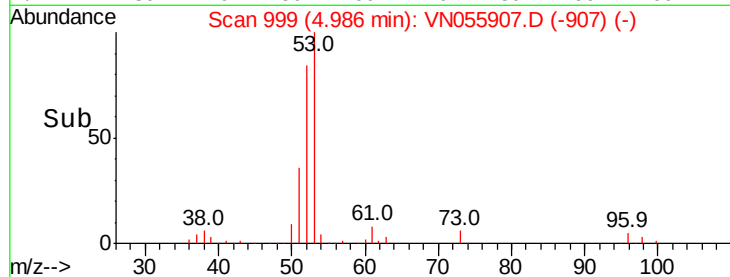
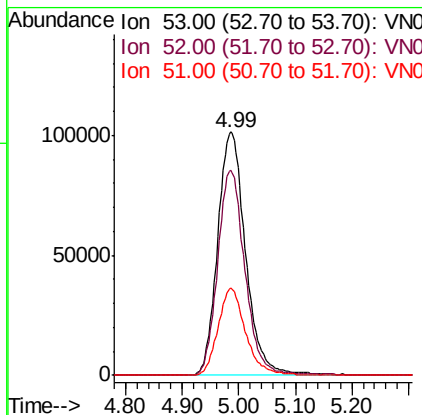
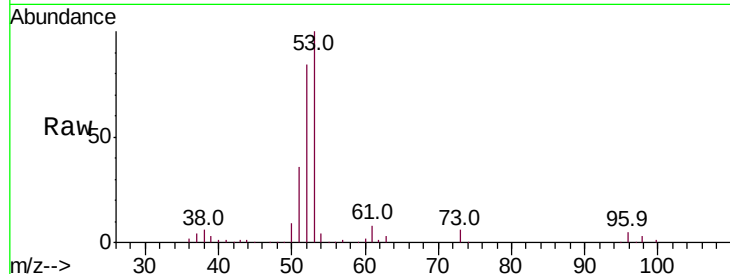
ClientSampled :

VSTDCCC050

Tot Ion:	53	Resp:	347926
Ion Ratio	Lower	Upper	
53	100		
52	82.0	65.8	98.8
51	35.4	28.2	42.4

Manual Integrations
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#16

Acetone

Concen: 321.936 ug/l

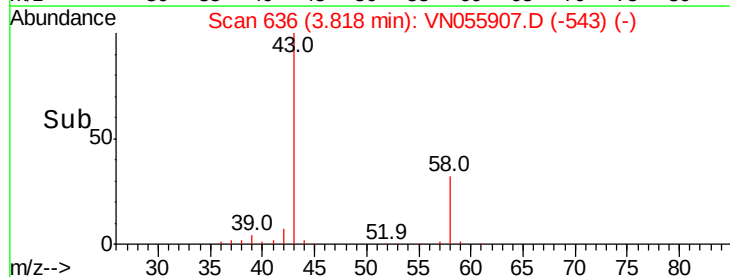
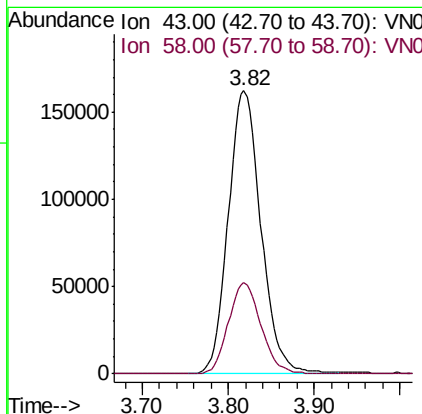
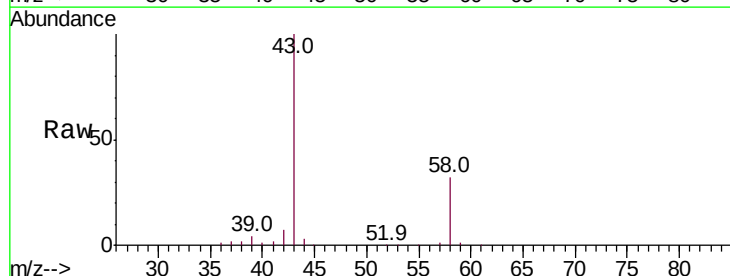
RT: 3.82 min Scan# 636

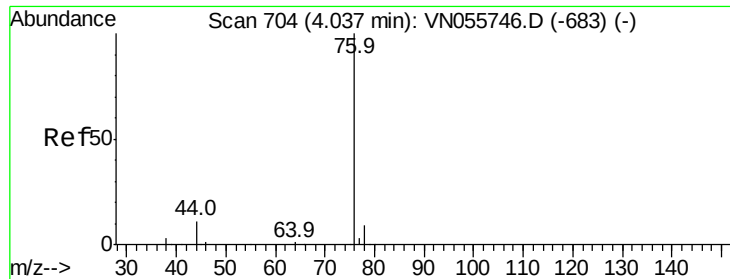
Delta R.T. 0.00 min

Lab File: VN055907.D

Acq: 31 May 2019 8:51

Tgt Ion:	43	Resp:	425219
Ion Ratio	Lower	Upper	
43	100		
58	32.3	26.6	39.8





#17

Carbon Disulfide

Concen: 41.280 ug/l

RT: 4.03 min Scan# 703

Delta R.T. -0.00 min

Lab File: VN055907.D

Acq: 31 May 2019 8:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 290212

Ion Ratio Lower Upper

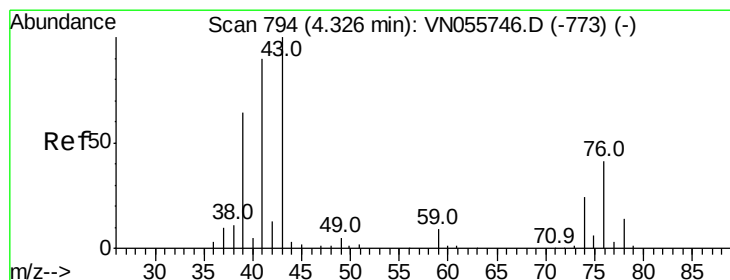
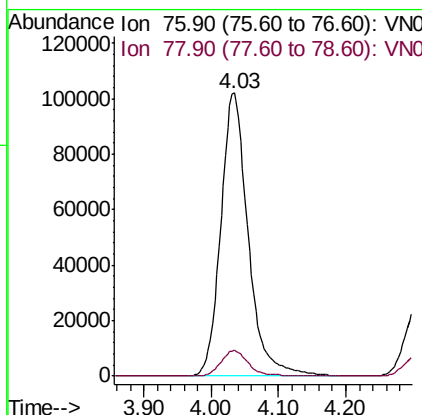
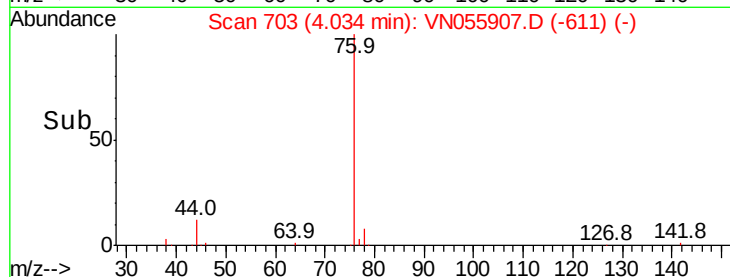
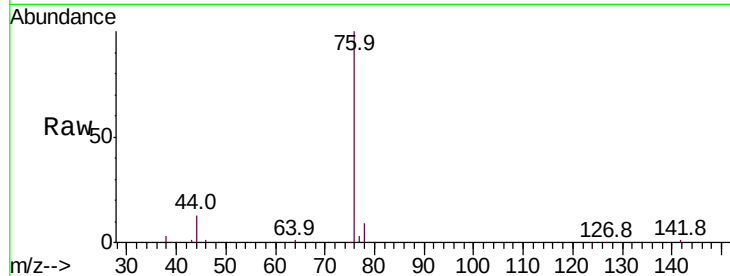
76 100

78 9.0 7.4 11.2

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#18

Methyl Acetate

Concen: 56.295 ug/l

RT: 4.32 min Scan# 792

Delta R.T. -0.01 min

Lab File: VN055907.D

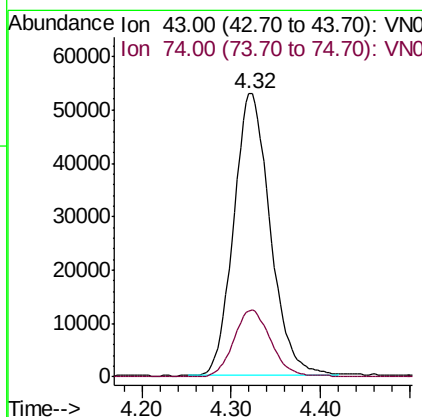
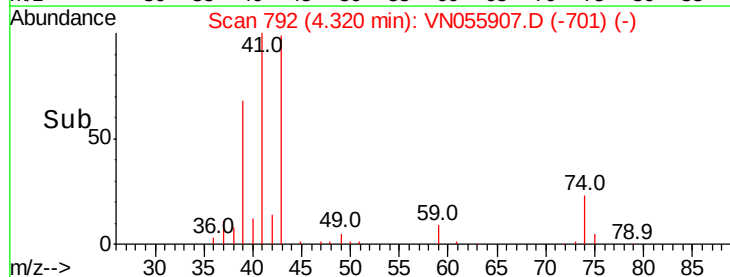
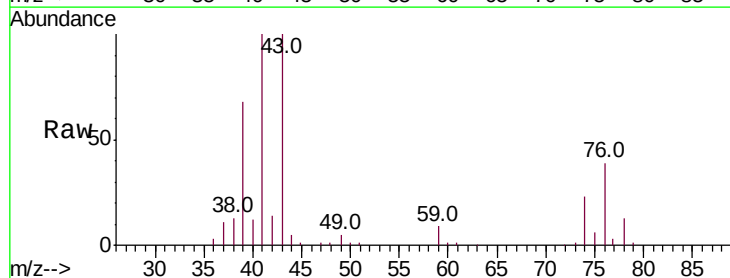
Acq: 31 May 2019 8:51

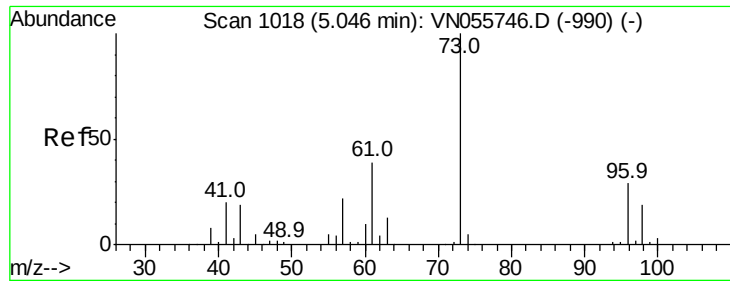
Tgt Ion: 43 Resp: 150736

Ion Ratio Lower Upper

43 100

74 24.2 19.3 28.9





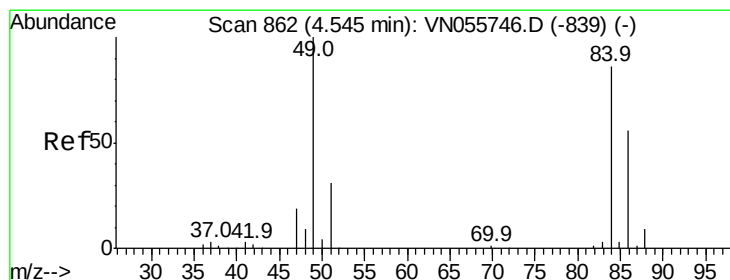
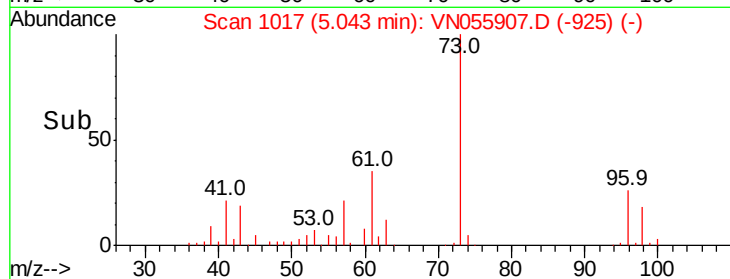
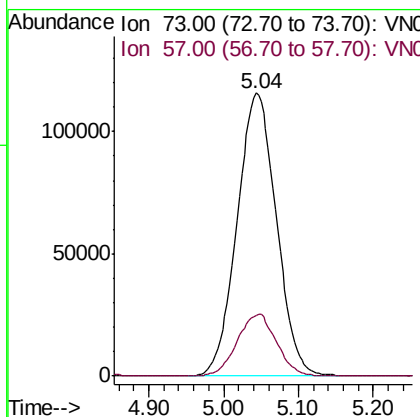
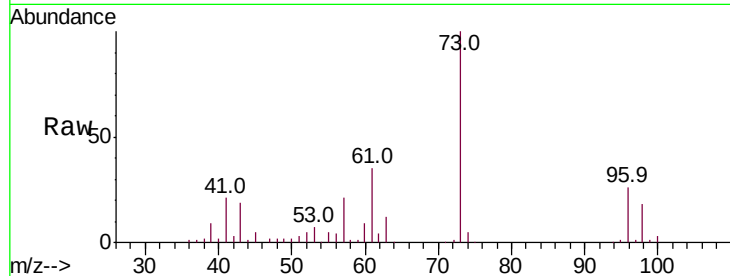
#19
Methyl tert-butyl Ether
Concen: 51.279 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN055907.D
Acq: 31 May 2019 8:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 423194
Ion Ratio Lower Upper
73 100
57 21.4 17.8 26.8

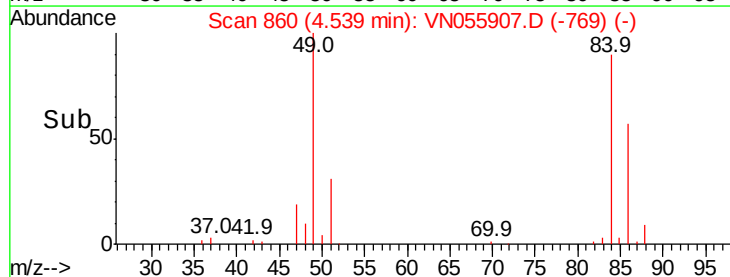
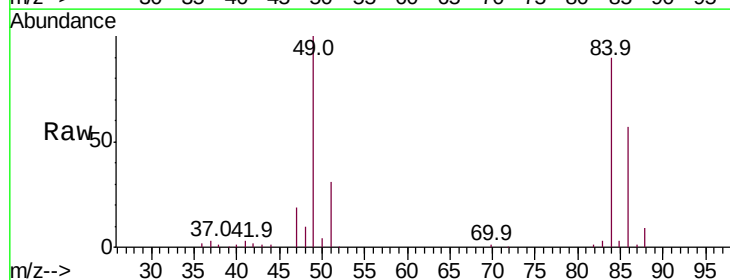
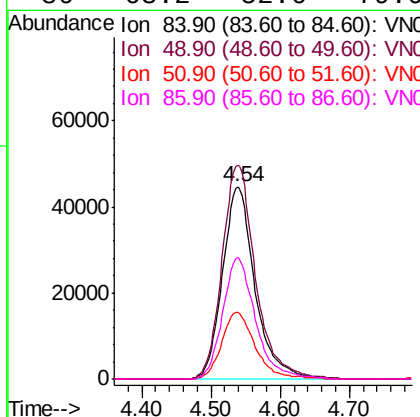
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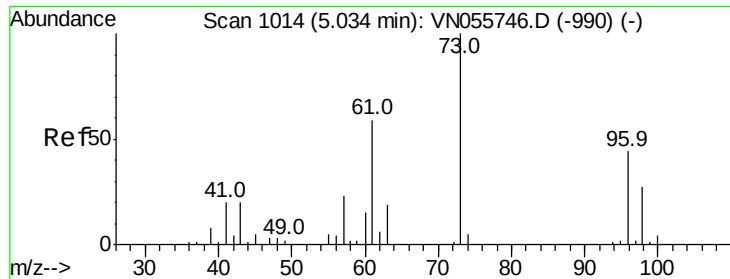
MMDadoda
6/3/2019 4:12:04 PM



#20
Methylene Chloride
Concen: 51.073 ug/l
RT: 4.54 min Scan# 860
Delta R.T. -0.01 min
Lab File: VN055907.D
Acq: 31 May 2019 8:51

Tgt Ion: 84 Resp: 146092
Ion Ratio Lower Upper
84 100
49 111.1 93.5 140.3
51 34.7 28.6 43.0
86 63.2 52.6 79.0





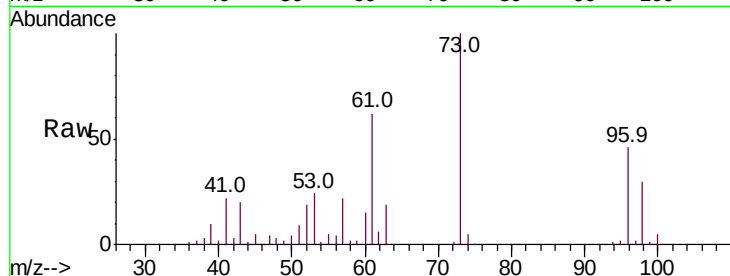
#21
trans-1,2-Dichloroethene
Concen: 49.696 ug/l
RT: 5.03 min Scan# 1012
Delta R.T. -0.01 min
Lab File: VN055907.D
Acq: 31 May 2019 8:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	136.0	107.8	161.8
98	64.7	49.8	74.8

Manual Integrations
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MMDadoda
6/3/2019 4:12:04 PM

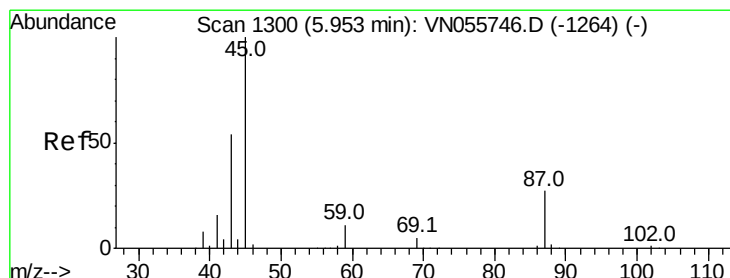
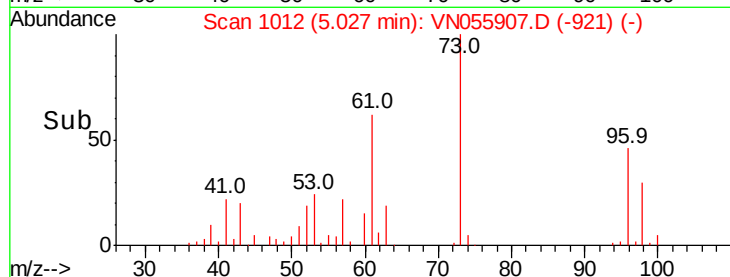
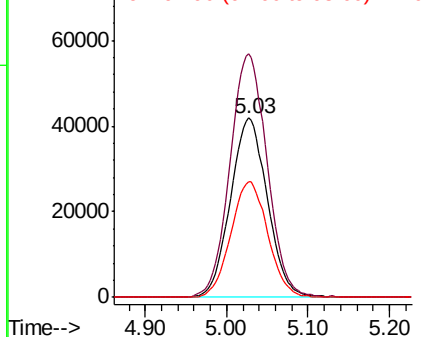


Abundance

Ion 95.90 (95.60 to 96.60): VNO

Ion 60.90 (60.60 to 61.60): VNO

Ion 97.90 (97.60 to 98.60): VNO



#22
Diisopropyl ether
Concen: 53.093 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. -0.00 min
Lab File: VN055907.D
Acq: 31 May 2019 8:51

Tgt Ion	Ratio	Lower	Upper
45	100		
43	56.1	45.0	67.6
87	27.7	22.2	33.4
59	11.0	9.1	13.7

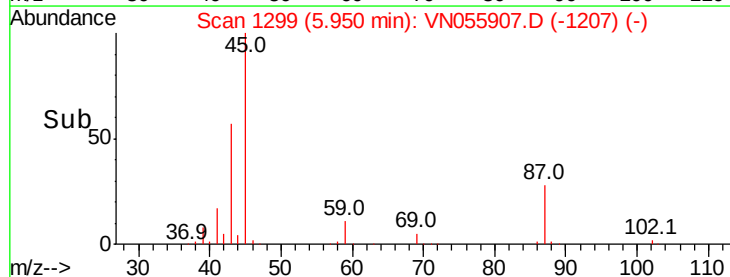
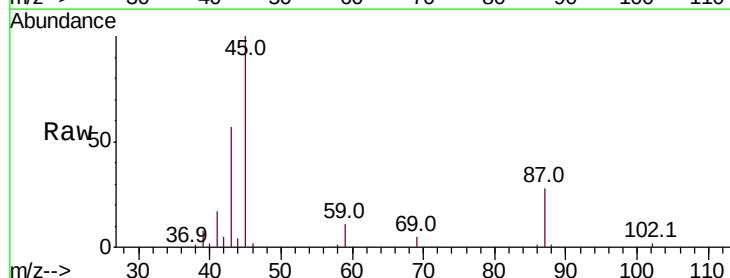
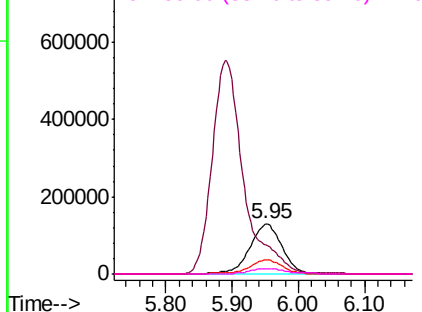
Abundance

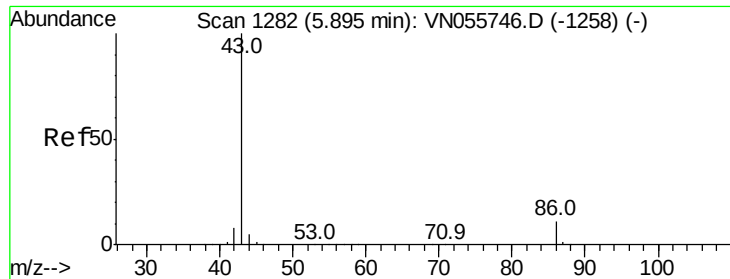
Ion 45.00 (44.70 to 45.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

Ion 59.00 (58.70 to 59.70): VNO





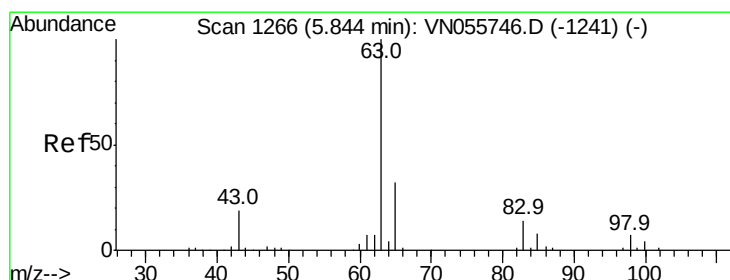
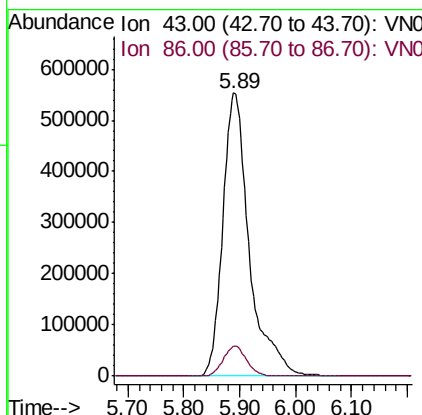
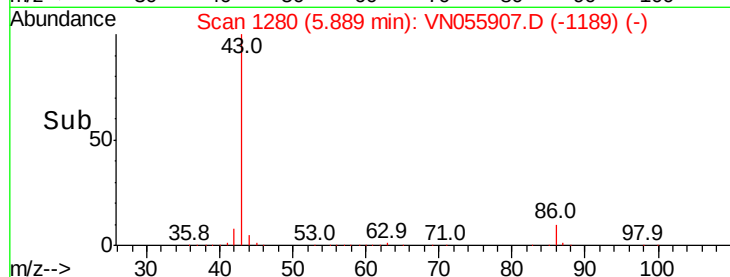
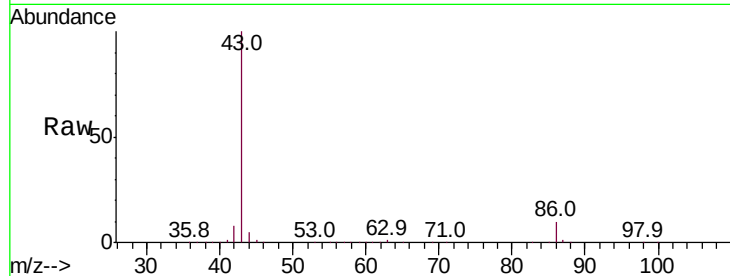
#23
 Vinyl Acetate
 Concen: 258.822 ug/l
 RT: 5.89 min Scan# 1280
 Delta R.T. -0.01 min
 Lab File: VN055907.D
 Acq: 31 May 2019 8:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 1830874
 Ion Ratio Lower Upper
 43 100
 86 10.5 8.6 13.0

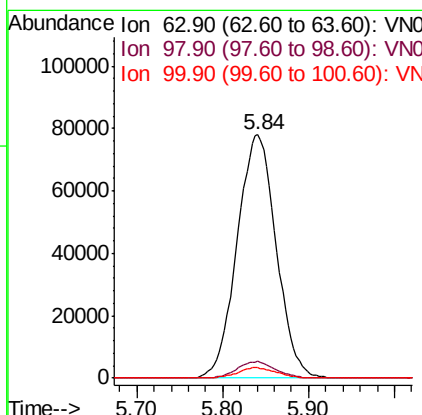
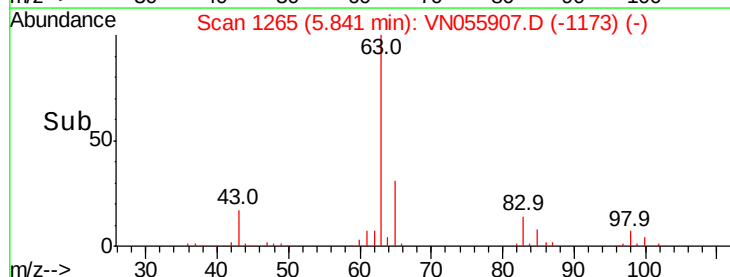
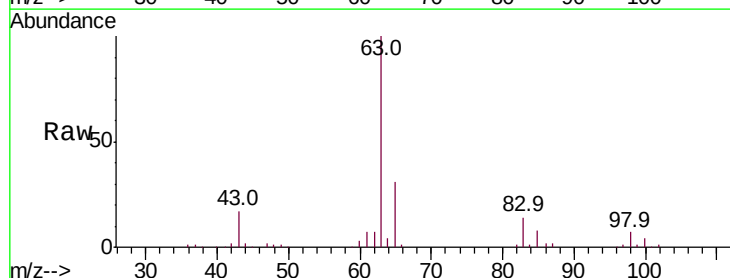
Manual Integrations
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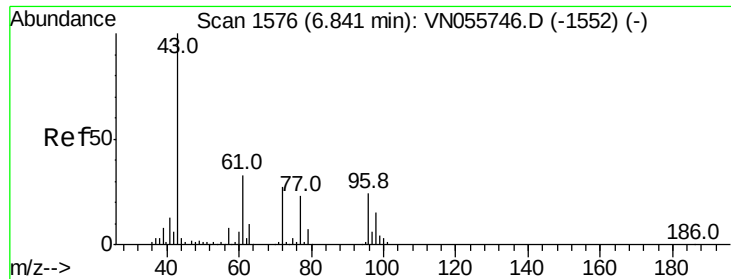
MMDadoda
 6/3/2019 4:12:04 PM



#24
 1,1-Dichloroethane
 Concen: 51.301 ug/l
 RT: 5.84 min Scan# 1265
 Delta R.T. -0.00 min
 Lab File: VN055907.D
 Acq: 31 May 2019 8:51

Tgt Ion: 63 Resp: 246436
 Ion Ratio Lower Upper
 63 100
 98 6.7 3.4 10.1
 100 4.2 2.2 6.6





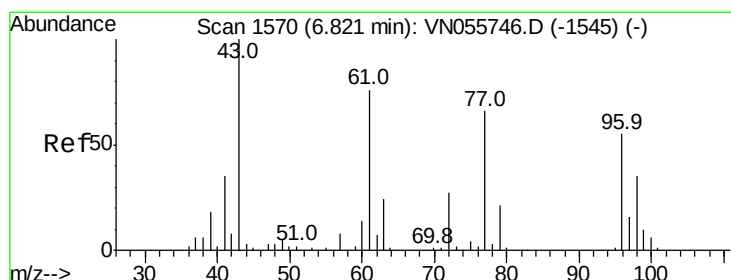
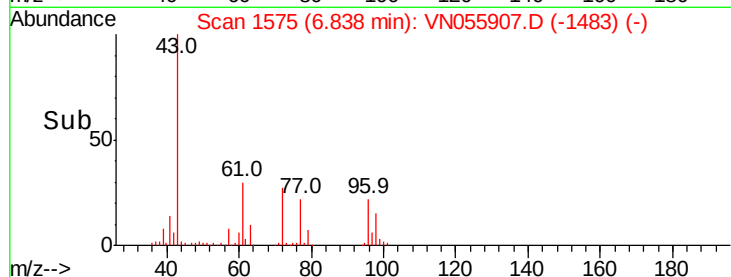
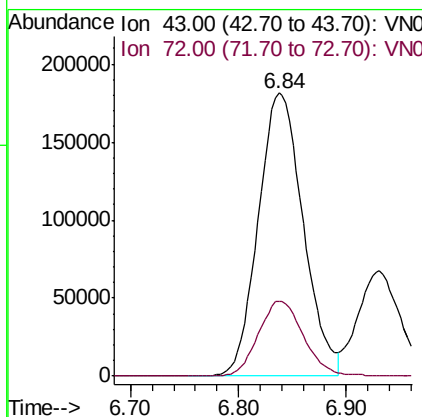
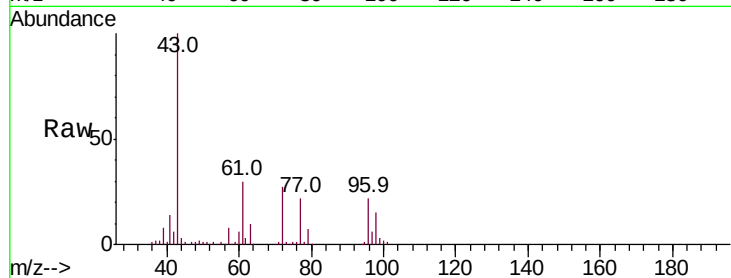
#25
2-Butanone
Concen: 282.935 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. -0.00 min
Lab File: VN055907.D
Acq: 31 May 2019 8:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	43	Ratio	100	Resp	521911
Ion	43	100		Lower	Upper
	72	26.6		21.9	32.9

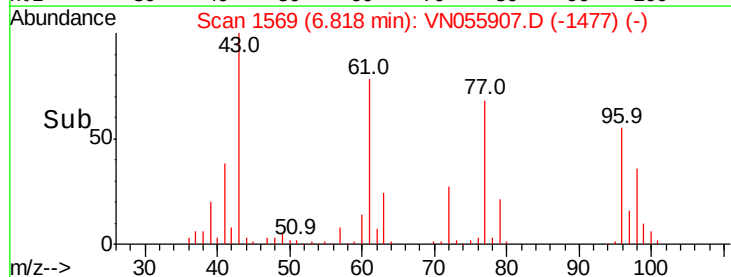
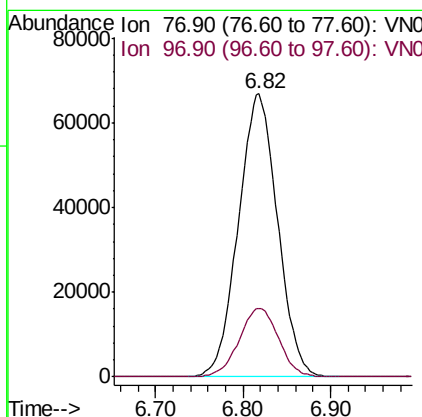
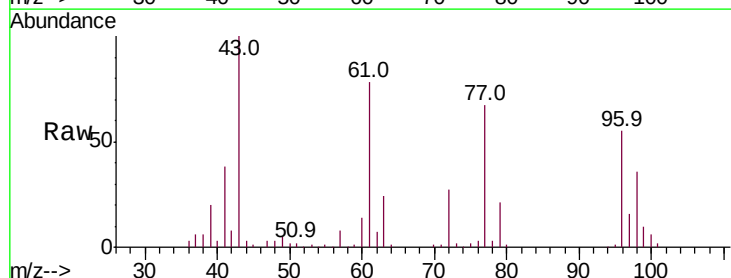
Manual Integrations
APPROVED

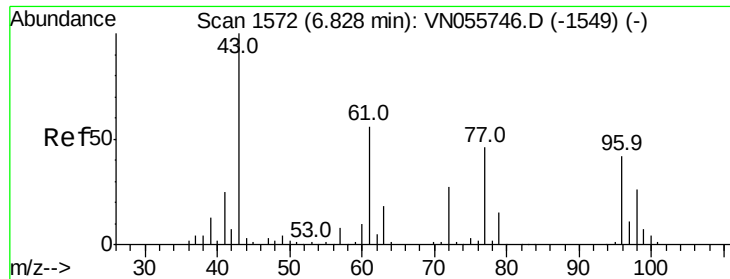
MMDadoda
6/3/2019 4:12:04 PM



#26
2,2-Dichloropropane
Concen: 49.852 ug/l
RT: 6.82 min Scan# 1569
Delta R.T. -0.00 min
Lab File: VN055907.D
Acq: 31 May 2019 8:51

Tgt Ion	77	Ratio	100	Resp	207253
Ion	77	100		Lower	Upper
	97	24.4		12.2	36.6





#27

cis-1,2-Dichloroethene

Concen: 51.627 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. -0.01 min

Lab File: VN055907.D

Acq: 31 May 2019 8:51

Instrument :

MSVOA_N

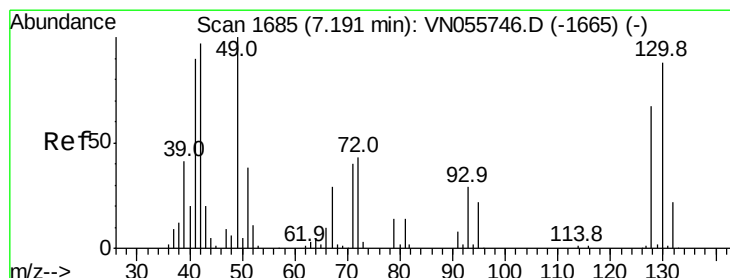
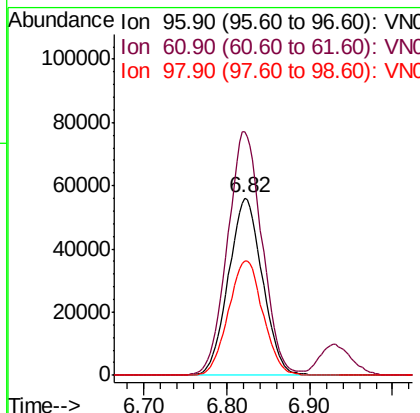
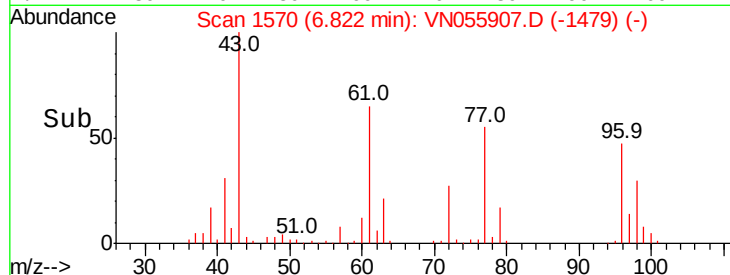
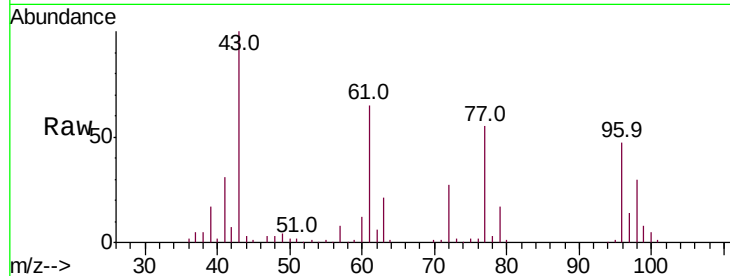
ClientSampled :

VSTDCCC050

Tot Ion:	96	Resp:	160121
Ion Ratio	Lower	Upper	
96	100		
61	139.7	0.0	275.8
98	65.6	0.0	128.4

Manual Integrations
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#28

Bromochloromethane

Concen: 52.604 ug/l

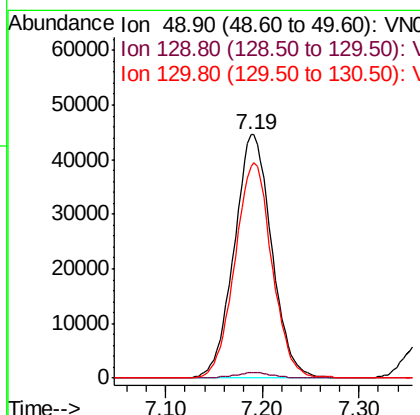
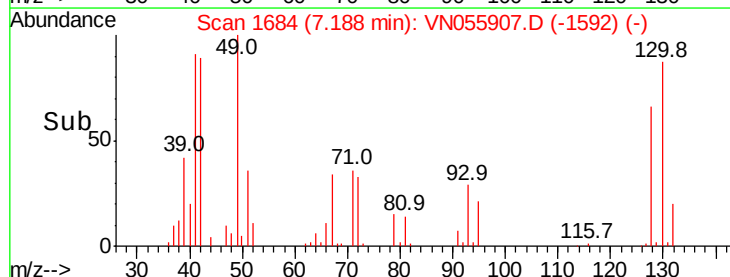
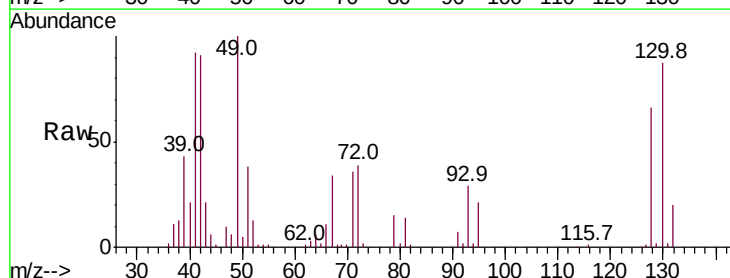
RT: 7.19 min Scan# 1684

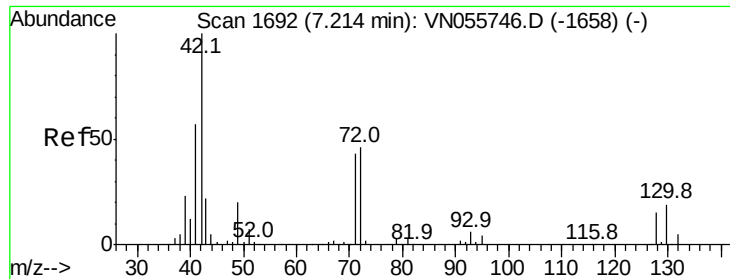
Delta R.T. -0.00 min

Lab File: VN055907.D

Acq: 31 May 2019 8:51

Tgt Ion:	49	Resp:	120312
Ion Ratio	Lower	Upper	
49	100		
129	2.1	0.0	4.4
130	87.1	71.2	106.8





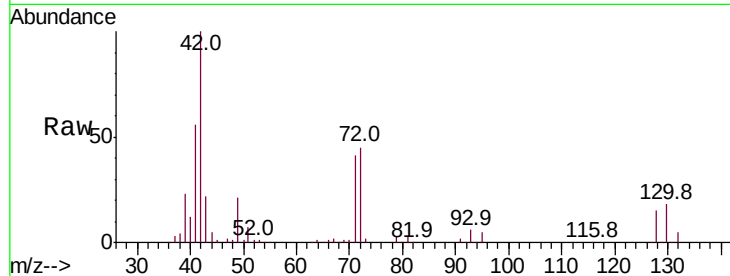
#29
Tetrahydrofuran
Concen: 259.140 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VN055907.D
Acq: 31 May 2019 8:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

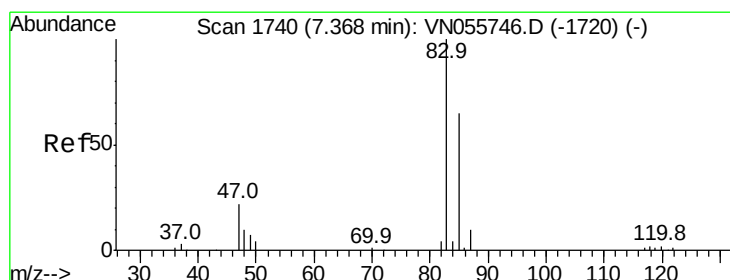
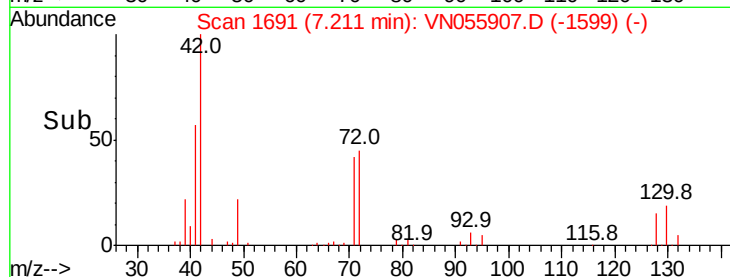
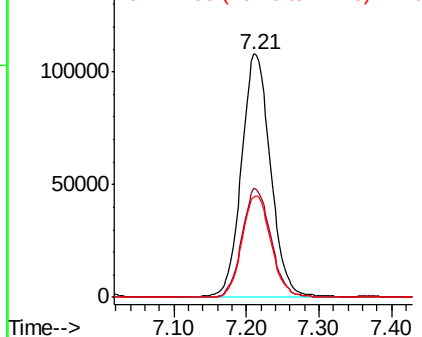
Tot Ion	Ratio	Lower	Upper
42	100		
72	44.2	35.9	53.9
71	41.6	34.0	51.0

Manual Integrations
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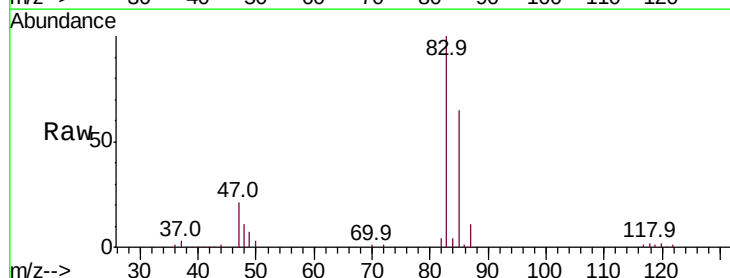


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

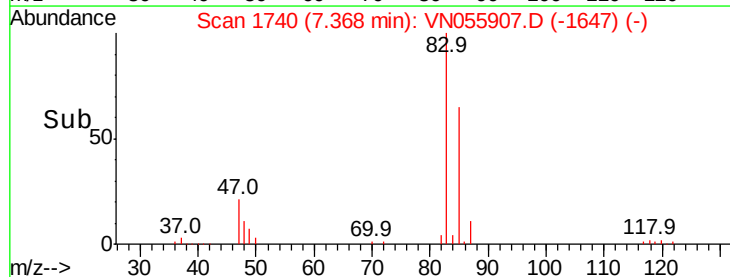
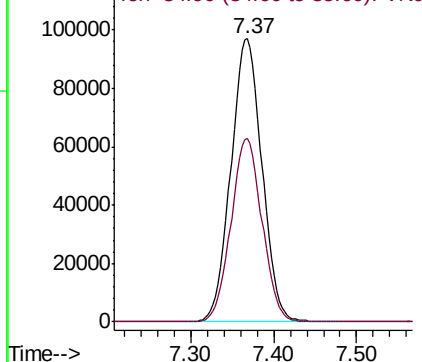


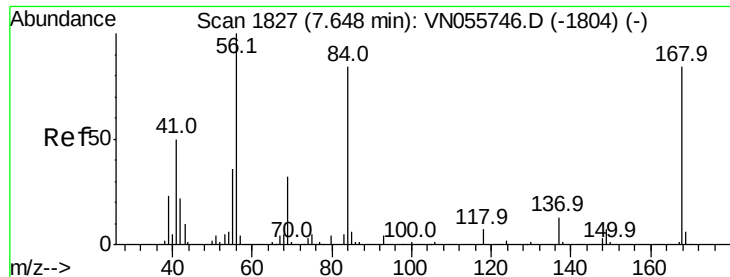
#30
Chloroform
Concen: 52.781 ug/l
RT: 7.37 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VN055907.D
Acq: 31 May 2019 8:51

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	51.8	77.8



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0





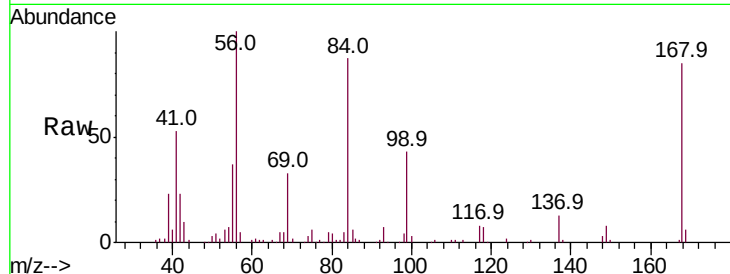
#31
Cyclohexane
Concen: 49.616 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. -0.00 min
Lab File: VN055907.D
Acq: 31 May 2019 8:51

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.6	25.6	38.4
84	85.6	67.4	101.0

Manual Integrations
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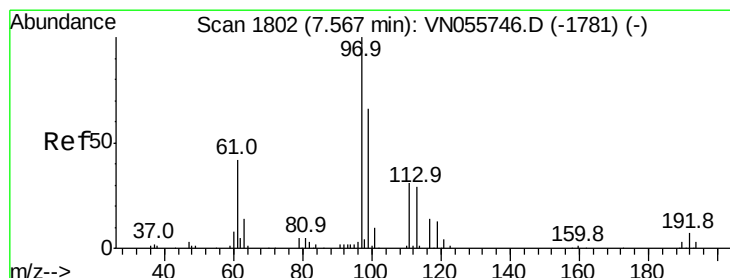
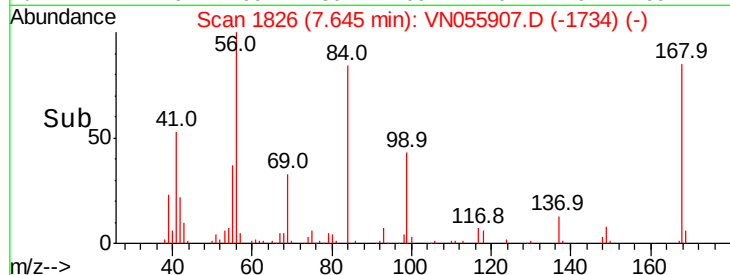
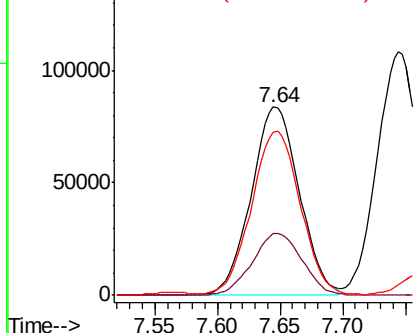


Abundance

Ion 56.00 (55.70 to 56.70): VNC

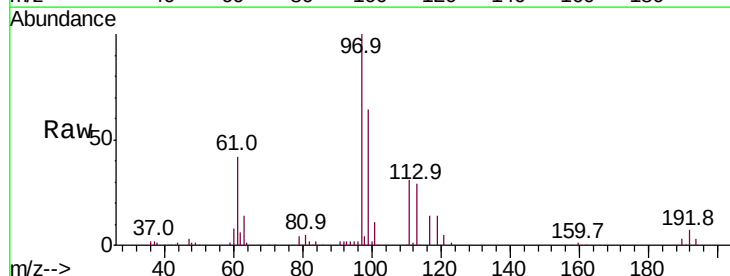
Ion 69.00 (68.70 to 69.70): VNC

Ion 84.00 (83.70 to 84.70): VNC



#32
1,1,1-Trichloroethane
Concen: 49.584 ug/l
RT: 7.56 min Scan# 1801
Delta R.T. -0.00 min
Lab File: VN055907.D
Acq: 31 May 2019 8:51

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.8	52.0	78.0
61	41.7	32.9	49.3

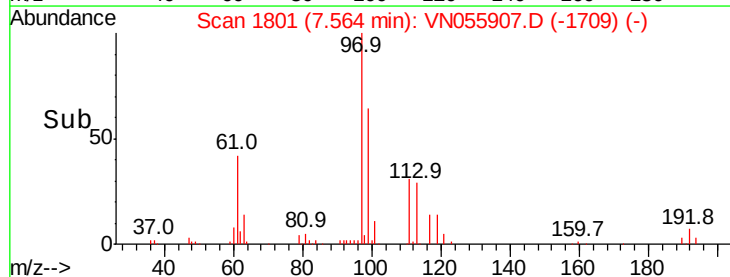
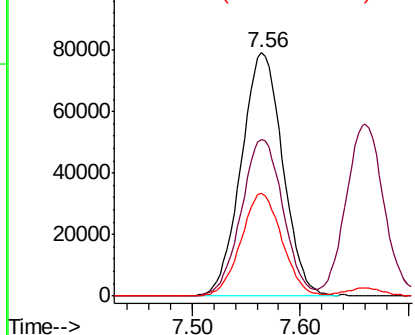


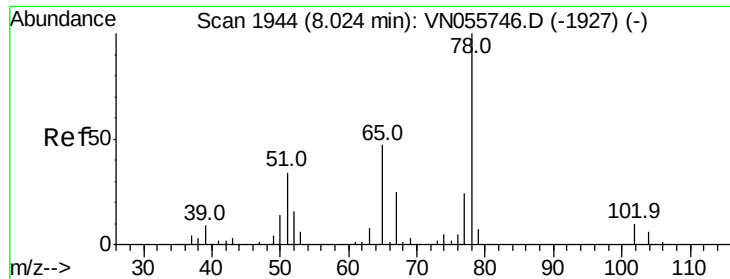
Abundance

Ion 96.90 (96.60 to 97.60): VNC

Ion 98.90 (98.60 to 99.60): VNC

Ion 60.90 (60.60 to 61.60): VNC





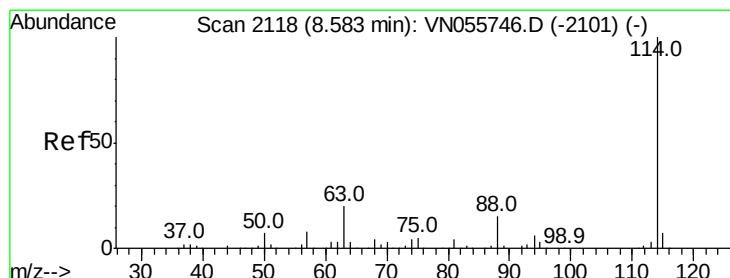
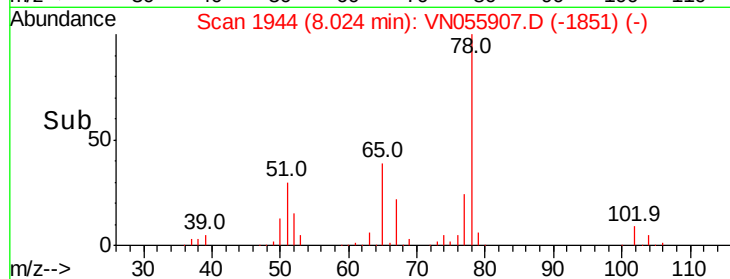
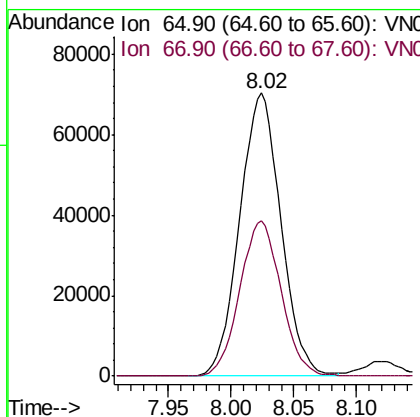
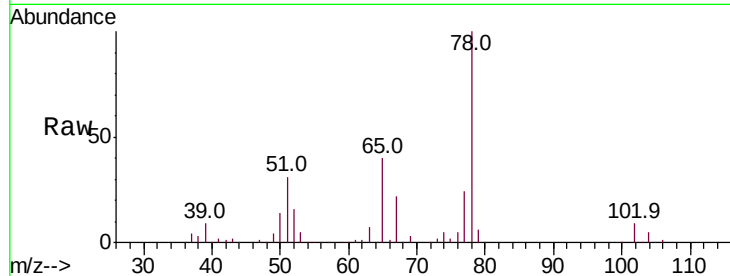
#33
 1,2-Dichloroethane-d4
 Concen: 53.582 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. 0.00 min
 Lab File: VN055907.D
 Acq: 31 May 2019 8:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	160999		
67	55.0	0.0	109.2	

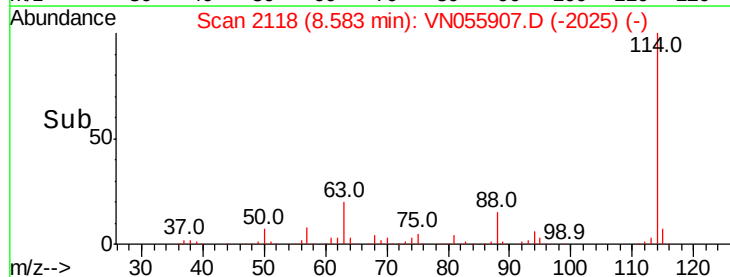
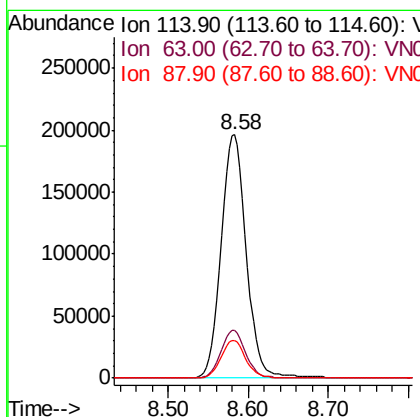
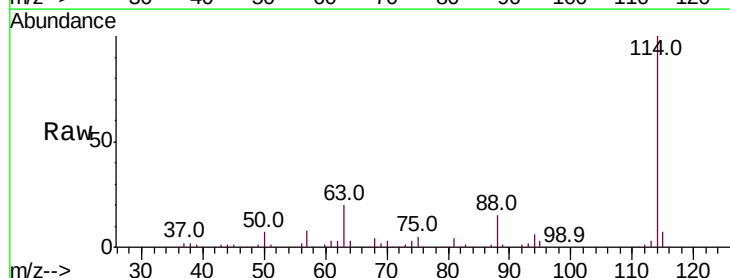
Manual Integrations
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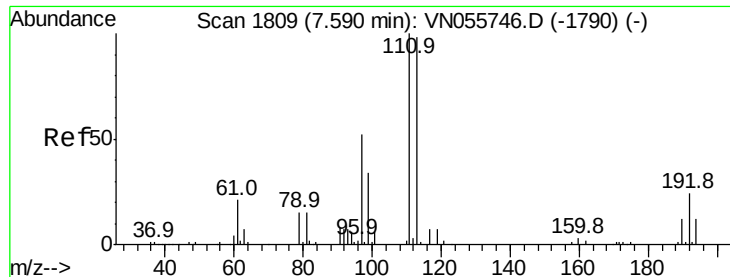
MMDadoda
 6/3/2019 4:12:04 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN055907.D
 Acq: 31 May 2019 8:51

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	424793		
63	19.5	0.0	39.2	
88	15.4	0.0	31.0	





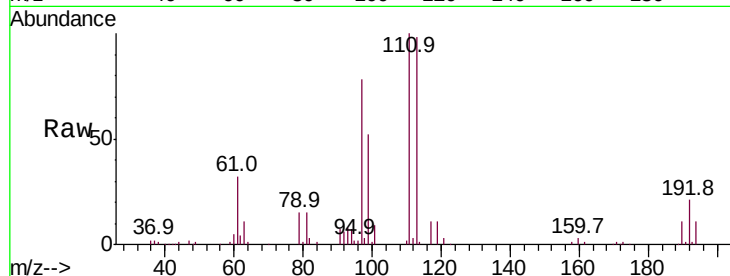
#35
 Dibromofluoromethane
 Concen: 52.858 ug/l
 RT: 7.58 min Scan# 1807
 Delta R.T. -0.01 min
 Lab File: VN055907.D
 Acq: 31 May 2019 8:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	101.9	81.9	122.9	
192	22.8	19.5	29.3	

Manual Integrations
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 6/3/2019 4:12:04 PM

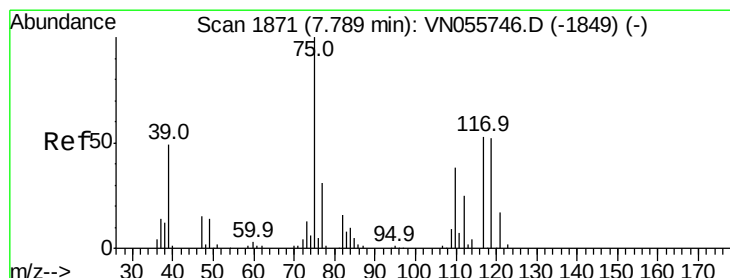
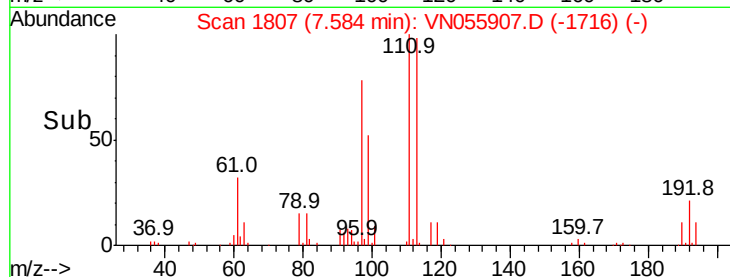
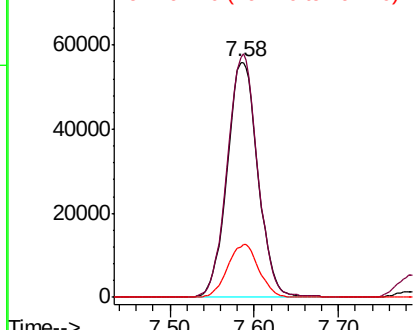


Abundance

Ion 112.80 (112.50 to 113.50): V

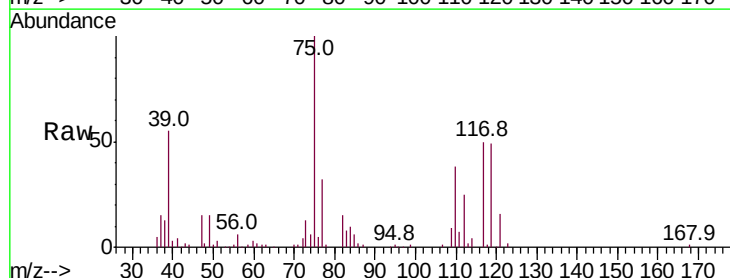
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 49.789 ug/l
 RT: 7.79 min Scan# 1870
 Delta R.T. -0.00 min
 Lab File: VN055907.D
 Acq: 31 May 2019 8:51

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	37.9	19.0	57.0	
77	31.6	25.1	37.7	

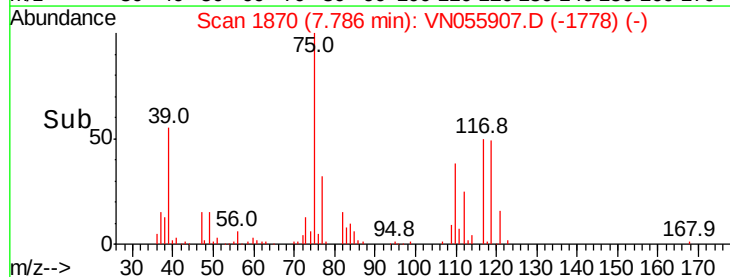
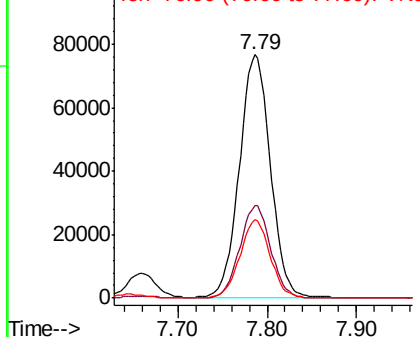


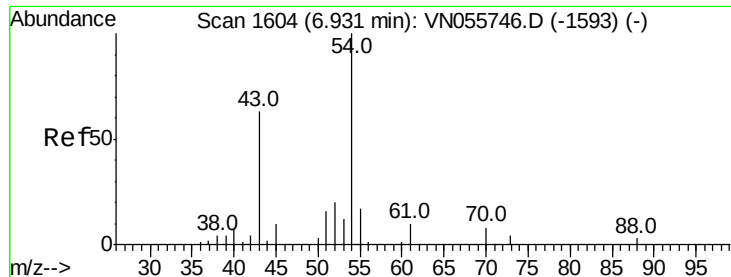
Abundance

Ion 74.90 (74.60 to 75.60): VNO

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VNO





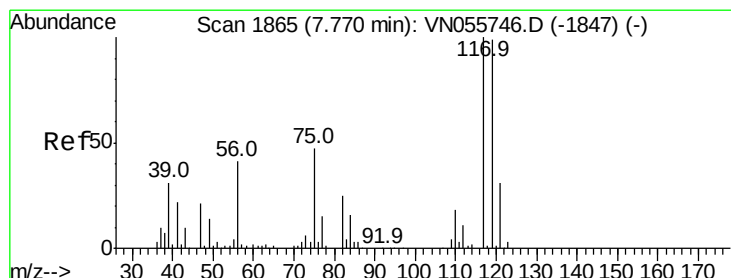
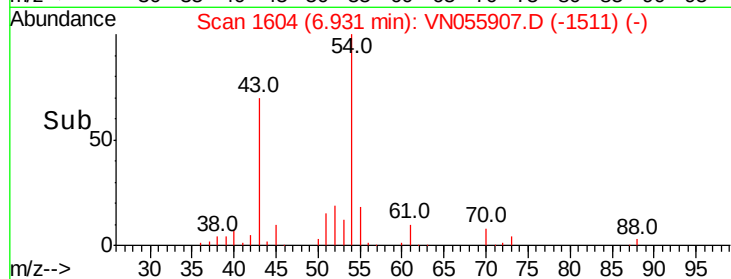
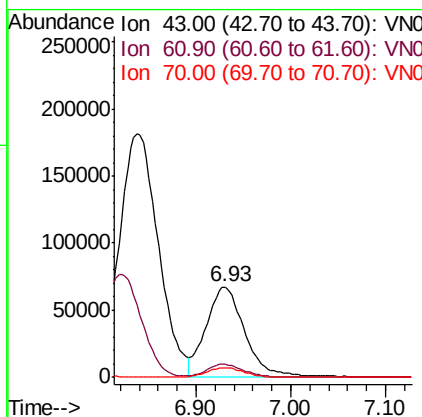
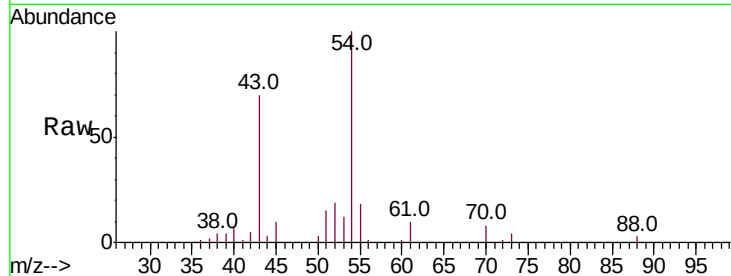
#37
Ethyl Acetate
Concen: 52.494 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN055907.D
Acq: 31 May 2019 8:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	43	61	70
Ratio	100	14.3	10.5
Lower		12.2	8.9
Upper		18.2	13.3

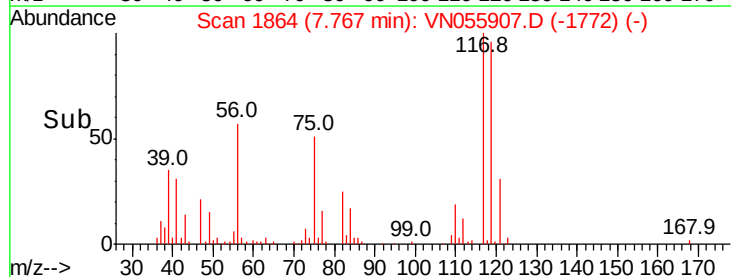
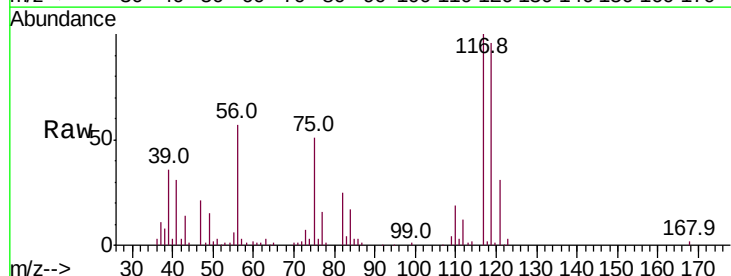
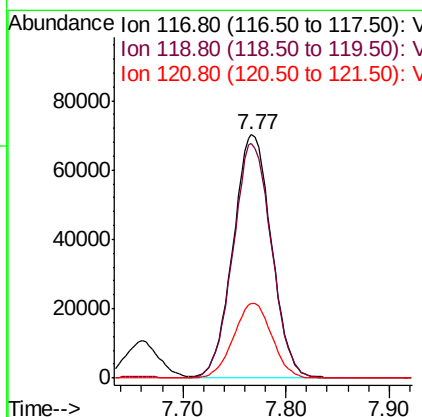
Manual Integrations
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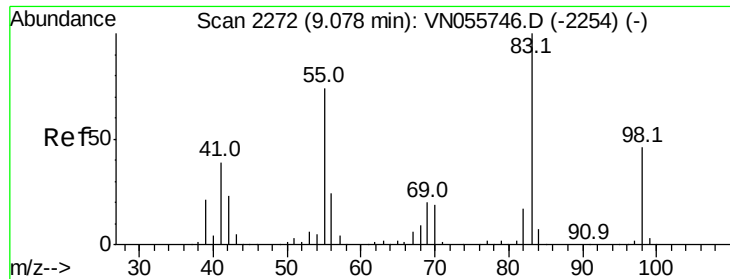
MMDadoda
6/3/2019 4:12:04 PM



#38
Carbon Tetrachloride
Concen: 46.890 ug/l
RT: 7.77 min Scan# 1864
Delta R.T. -0.00 min
Lab File: VN055907.D
Acq: 31 May 2019 8:51

Tgt Ion	117	119	121
Ratio	100	96.7	30.9
Lower		79.0	24.7
Upper		118.6	37.1





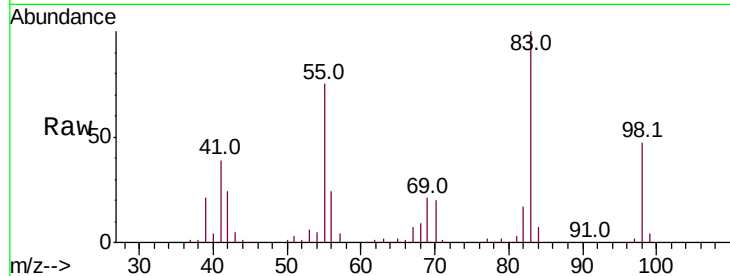
#39
Methylvlcyclohexane
Concen: 50.554 ug/l
RT: 9.08 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VN055907.D
Acq: 31 May 2019 8:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

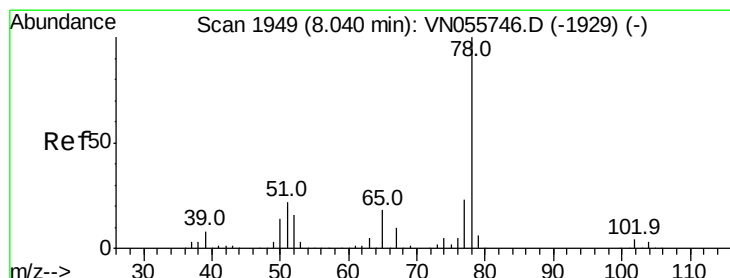
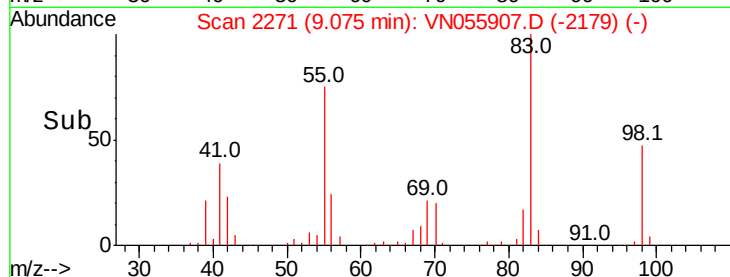
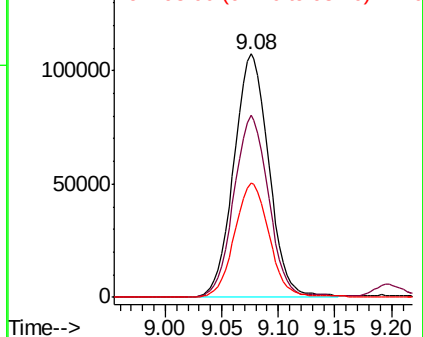
Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	74.6	59.3	88.9	
98	47.2	36.6	54.8	

Manual Integrations
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MMDadoda
6/3/2019 4:12:04 PM

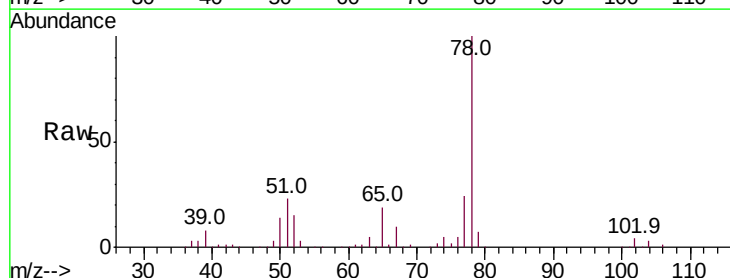


Abundance Ion 83.00 (82.70 to 83.70): VN055746.D (-2254) (-)

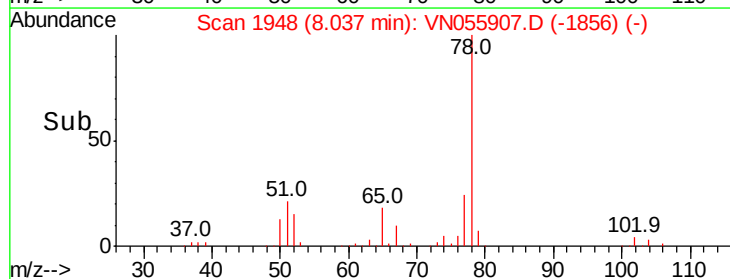
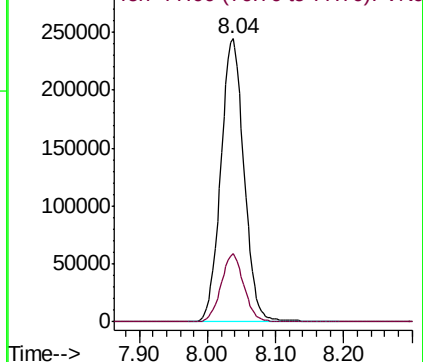


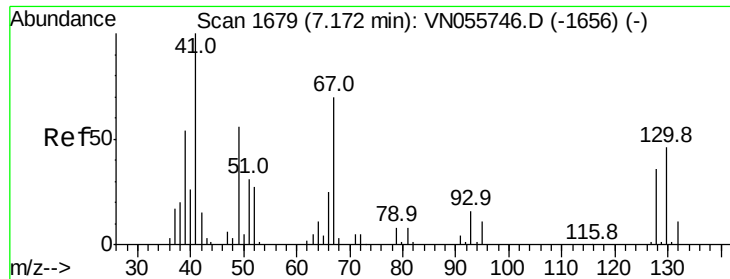
#40
Benzene
Concen: 51.914 ug/l
RT: 8.04 min Scan# 1948
Delta R.T. -0.00 min
Lab File: VN055907.D
Acq: 31 May 2019 8:51

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	24.0	18.8	28.2	



Abundance Ion 78.00 (77.70 to 78.70): VN055746.D (-1929) (-)





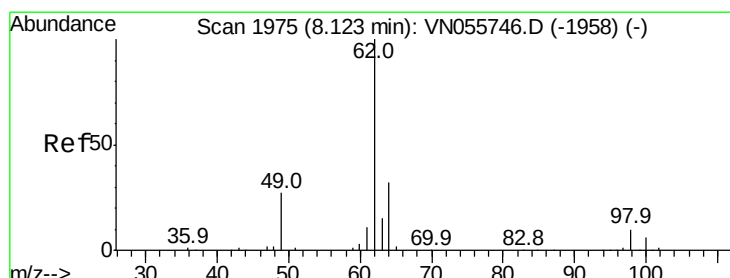
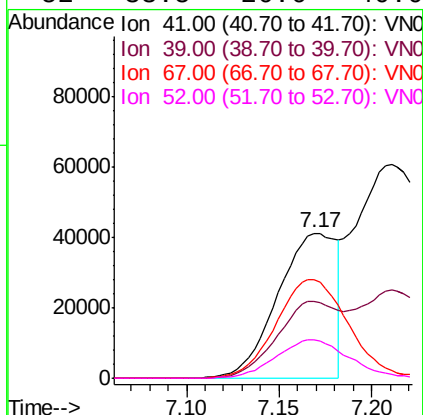
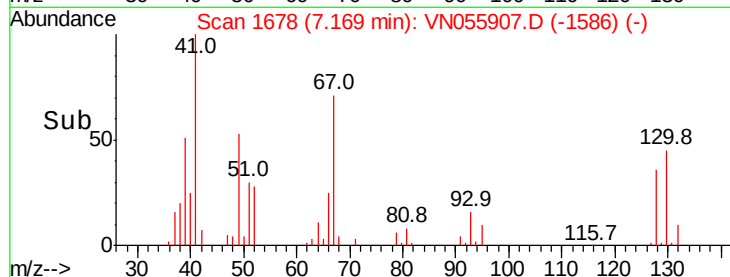
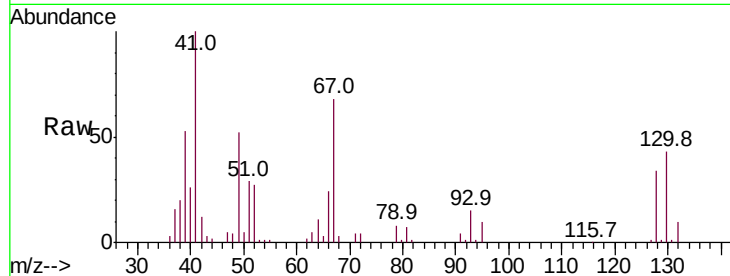
#41
Methacrylonitrile
Concen: 50.392 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. -0.00 min
Lab File: VN055907.D
Acq: 31 May 2019 8:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	41	Resp	91087
Ion	Ratio	Lower	Upper
41	100		
39	56.4	45.6	68.4
67	84.1	67.7	101.5
52	33.5	26.6	40.0

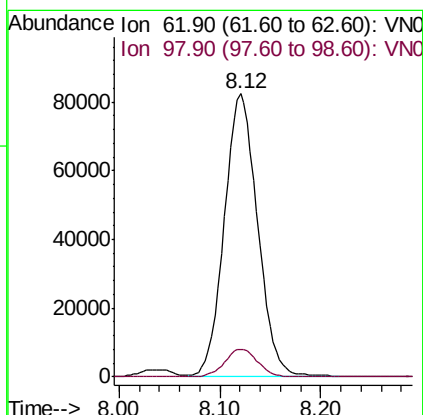
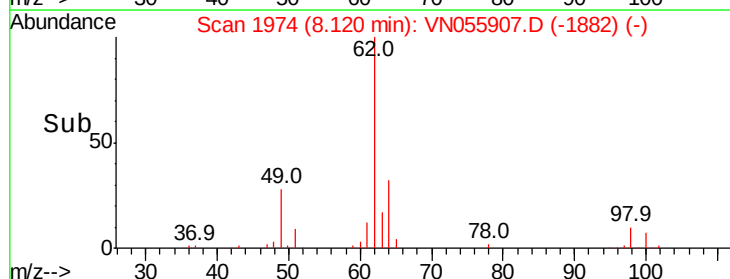
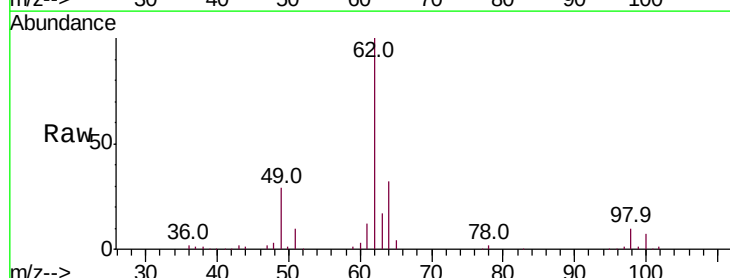
Manual Integrations
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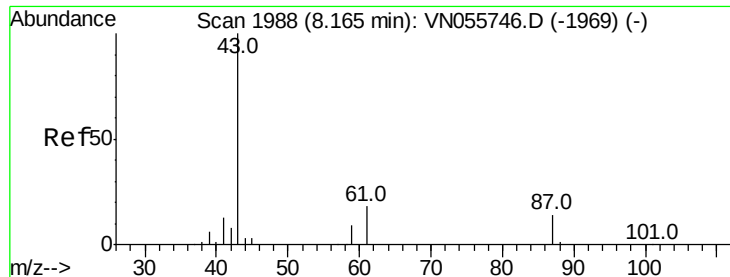
MMDadoda
6/3/2019 4:12:04 PM



#42
1,2-Dichloroethane
Concen: 51.677 ug/l
RT: 8.12 min Scan# 1974
Delta R.T. -0.00 min
Lab File: VN055907.D
Acq: 31 May 2019 8:51

Tgt Ion	62	Resp	188395
Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	20.2





#43

Isopropyl Acetate

Concen: 50.552 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VN055907.D

Acq: 31 May 2019 8:51

Instrument :

MSVOA_N

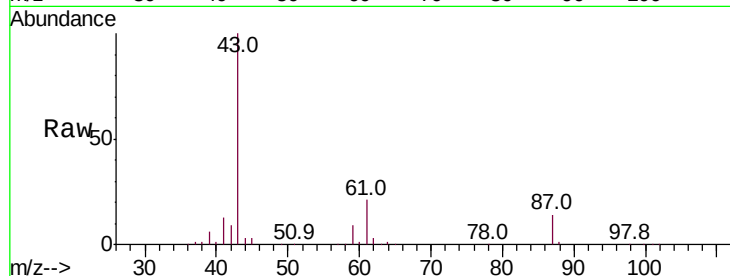
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	303894
Ion Ratio	Lower	Upper	
43	100		
61	21.3	22.2	33.4#
87	13.8	11.4	17.2

Manual Integrations
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MMDadoda
6/3/2019 4:12:04 PM



Abundance Ion 43.00 (42.70 to 43.70): VN055746.D (-1969) (-)

Ion 61.00 (60.70 to 61.70): VN055746.D (-1969) (-)

Ion 87.00 (86.70 to 87.70): VN055746.D (-1969) (-)

8.16

150000

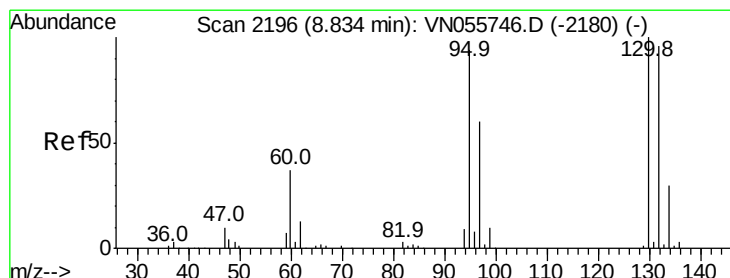
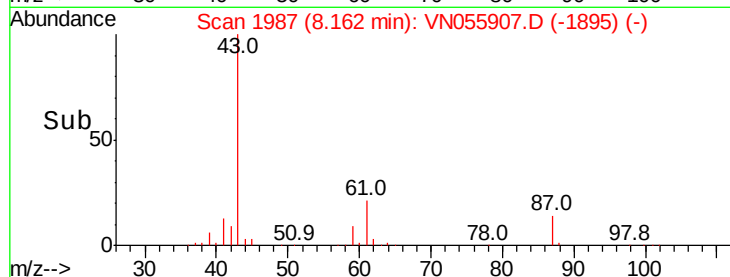
100000

50000

0

8.10 8.15 8.20 8.25

Time-->



#44

Trichloroethene

Concen: 51.440 ug/l

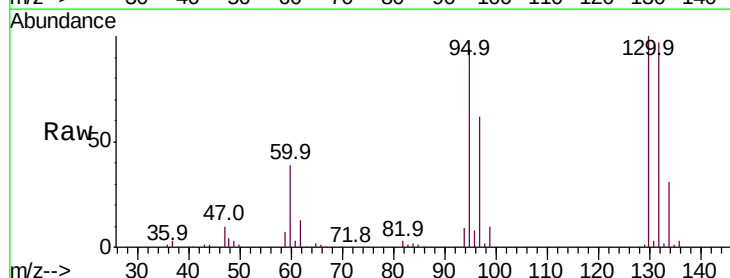
RT: 8.83 min Scan# 2195

Delta R.T. -0.00 min

Lab File: VN055907.D

Acq: 31 May 2019 8:51

Tgt Ion:	130	Resp:	159994
Ion Ratio	Lower	Upper	
130	100		
95	93.9	0.0	188.0



Abundance Ion 129.80 (129.50 to 130.50): VN055746.D (-2180) (-)

Ion 94.90 (94.60 to 95.60): VN055746.D (-2180) (-)

8.83

80000

60000

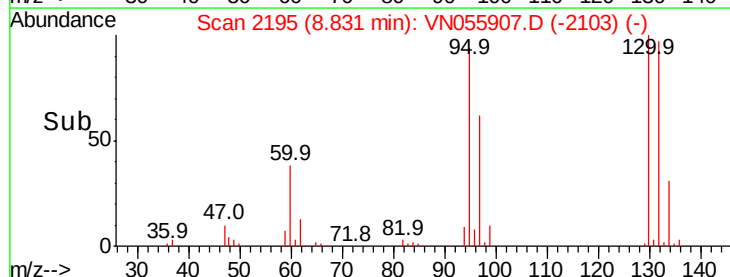
40000

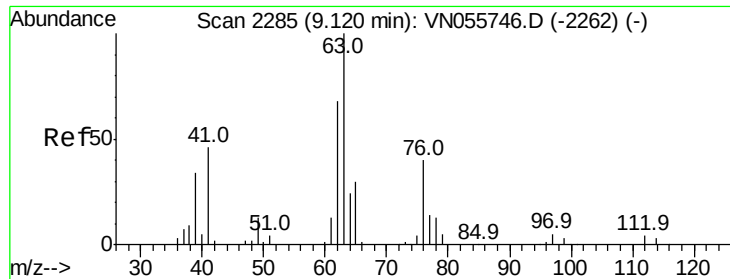
20000

0

8.75 8.80 8.85 8.90

Time-->





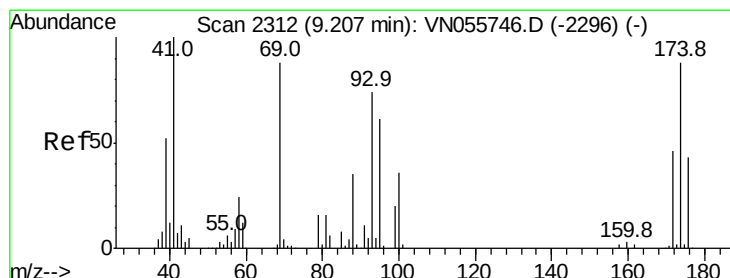
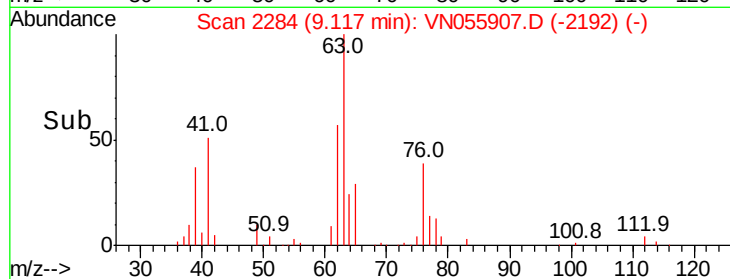
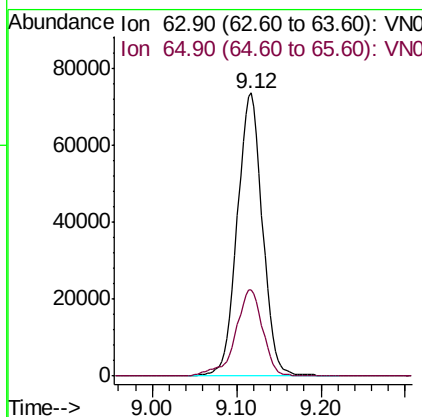
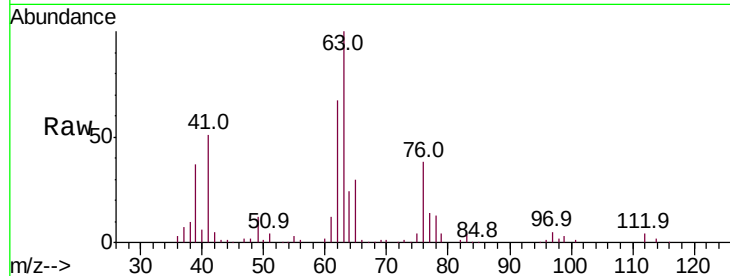
#45
 1,2-Dichloropropane
 Concen: 52.827 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN055907.D
 Acq: 31 May 2019 8:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.4	24.6	36.8

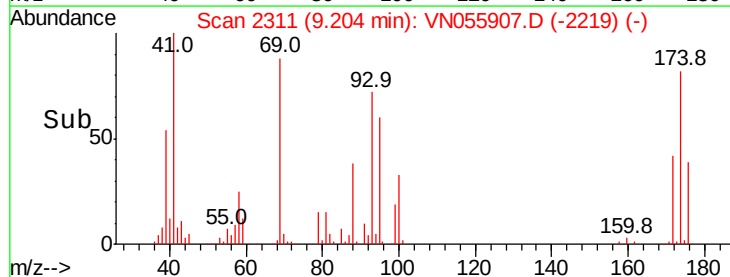
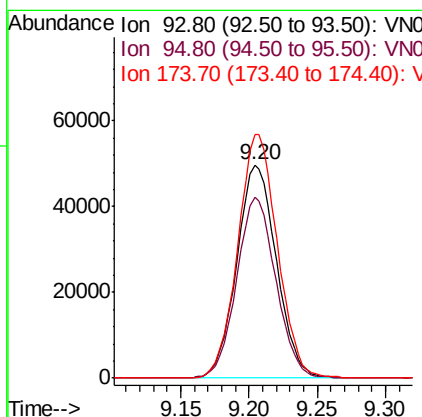
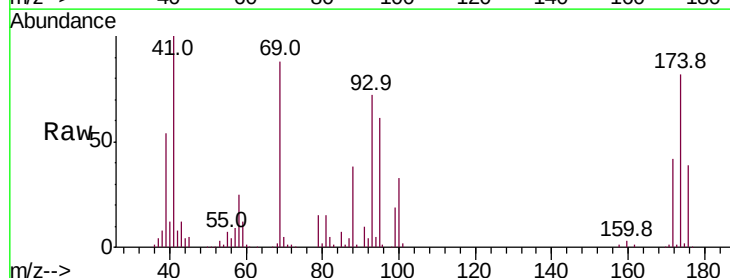
Manual Integrations
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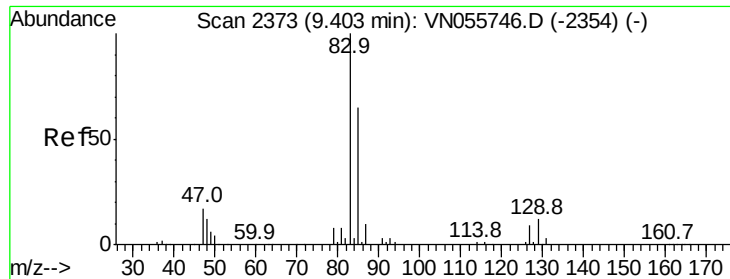
MMDadoda
 6/3/2019 4:12:04 PM



#46
 Dibromomethane
 Concen: 52.675 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. -0.00 min
 Lab File: VN055907.D
 Acq: 31 May 2019 8:51

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.9	66.7	100.1
174	114.2	96.4	144.6





#47

Bromodichloromethane

Concen: 50.078 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN055907.D

Acq: 31 May 2019 8:51

Instrument :

MSVOA_N

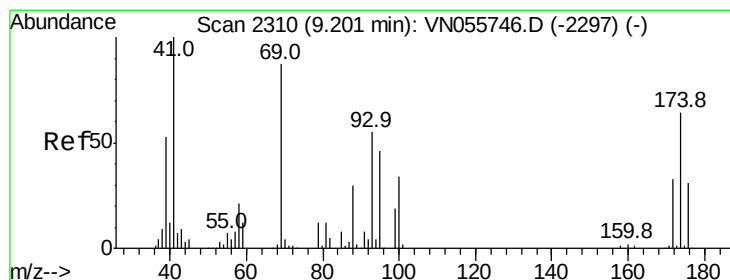
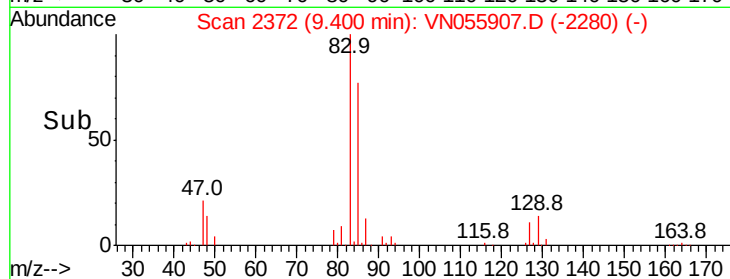
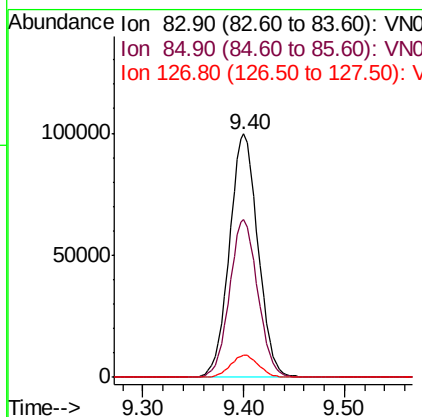
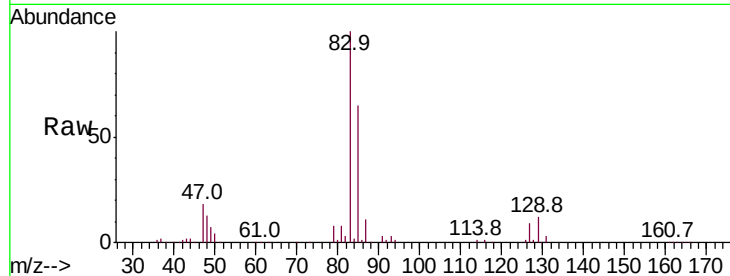
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	195754
Ion Ratio	Lower	Upper	
83	100		
85	65.1	52.2	78.2
127	9.1	7.4	11.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 54.012 ug/l

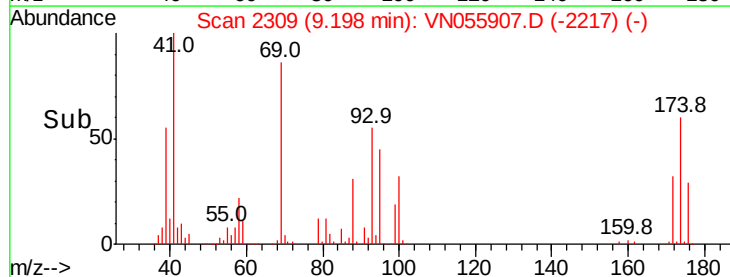
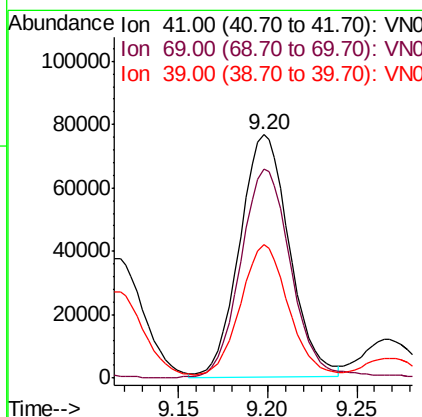
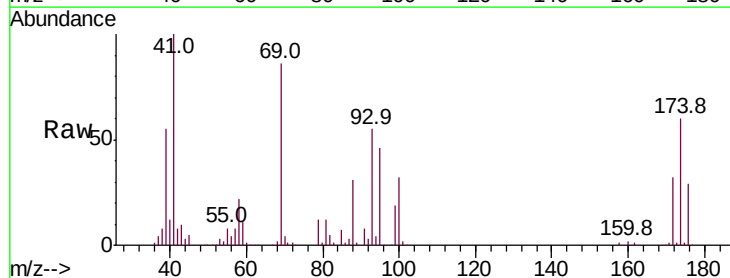
RT: 9.20 min Scan# 2309

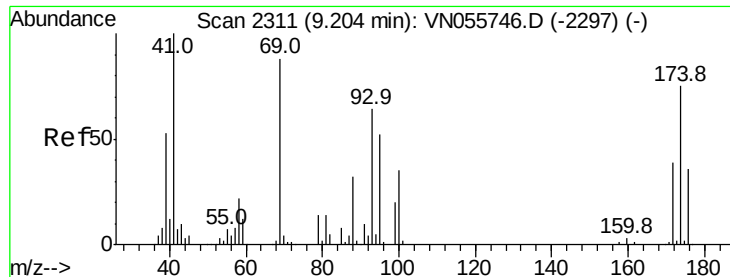
Delta R.T. -0.00 min

Lab File: VN055907.D

Acq: 31 May 2019 8:51

Tgt Ion:	41	Resp:	149643
Ion Ratio	Lower	Upper	
41	100		
69	87.0	71.0	106.6
39	53.3	44.2	66.2





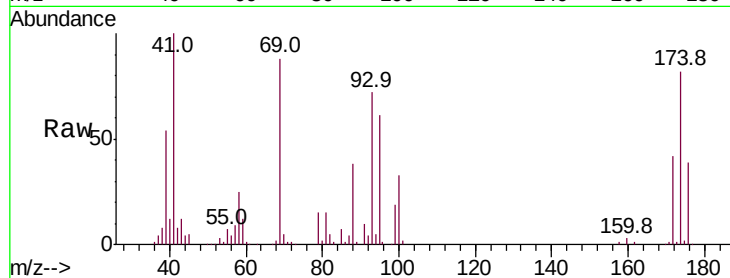
#49
 1,4-Dioxane
 Concen: 1110.500 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VN055907.D
 Acq: 31 May 2019 8:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	26.3	20.5	30.7
58	70.4	55.8	83.6

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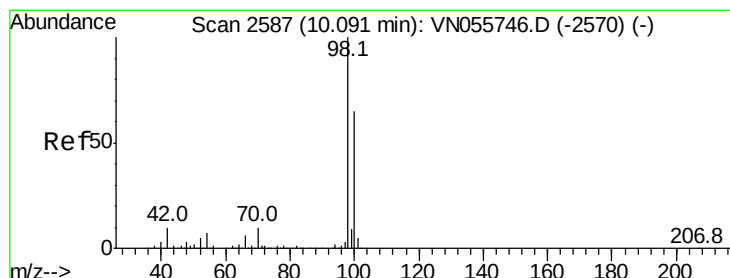
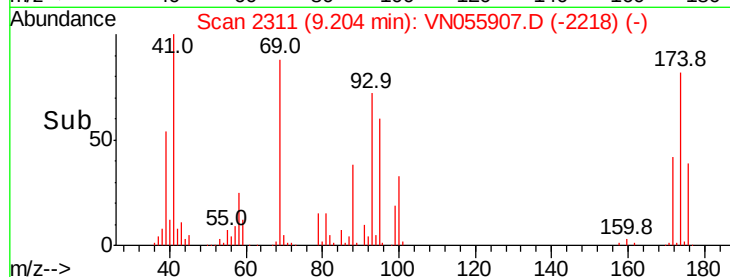
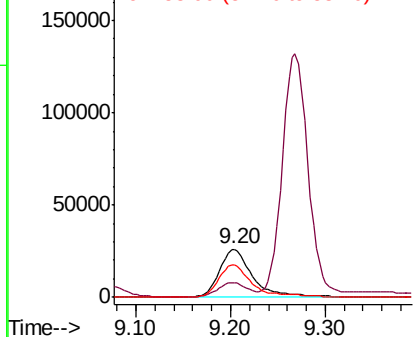


Abundance

Ion 88.00 (87.70 to 88.70): VN055746.D (-2297) (-)

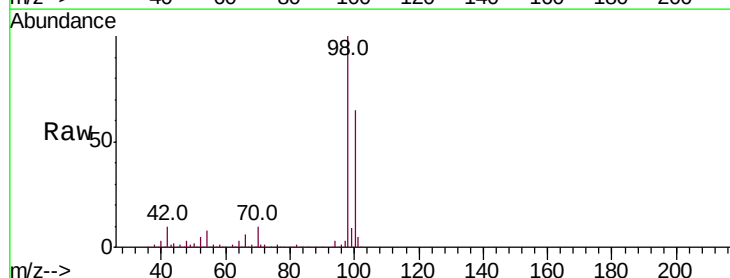
Ion 43.00 (42.70 to 43.70): VN055746.D (-2297) (-)

Ion 58.00 (57.70 to 58.70): VN055746.D (-2297) (-)



#50
 Toluene-d8
 Concen: 52.817 ug/l
 RT: 10.09 min Scan# 2586
 Delta R.T. -0.00 min
 Lab File: VN055907.D
 Acq: 31 May 2019 8:51

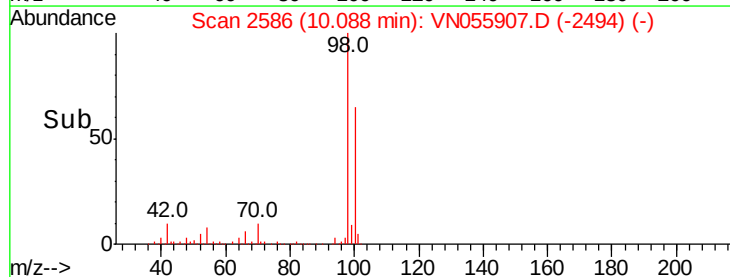
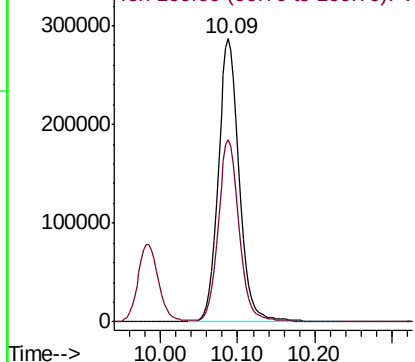
Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.8	51.9	77.9

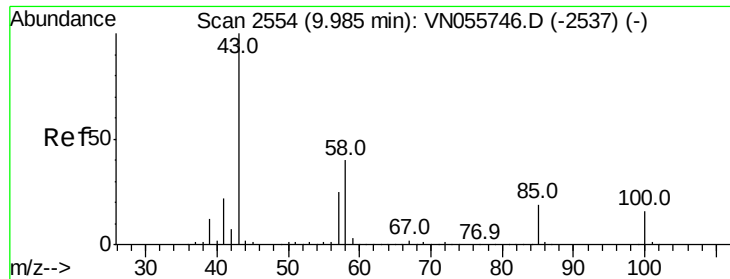


Abundance

Ion 98.00 (97.70 to 98.70): VN055746.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN055746.D (-2570) (-)





#51

4-Methyl-2-Pentanone

Concen: 263.527 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN055907.D

Acq: 31 May 2019 8:51

Tot Ion: 43 Resp: 935621

Ion Ratio Lower Upper

43 100

58 40.0 32.1 48.1

Instrument :

MSVOA_N

ClientSampleId :

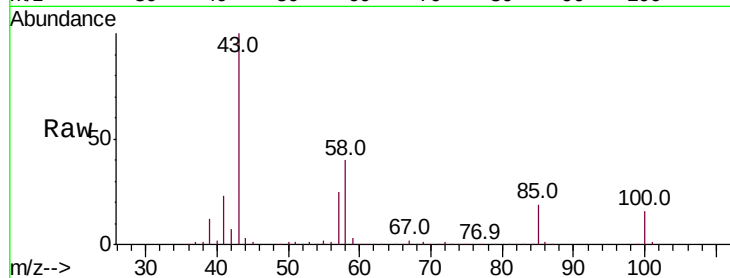
VSTDCCC050

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.98

500000

400000

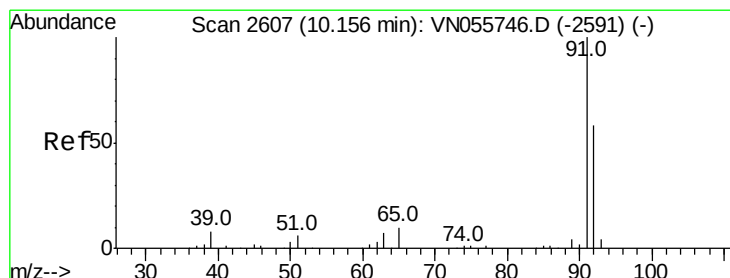
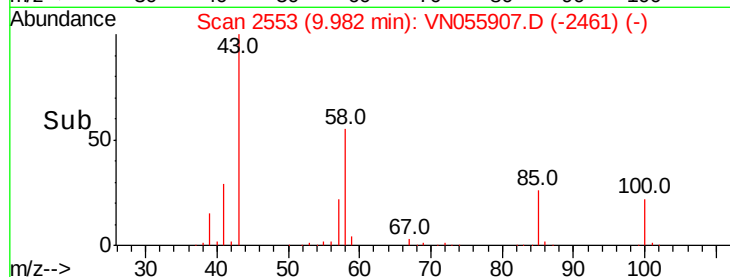
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 52.545 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN055907.D

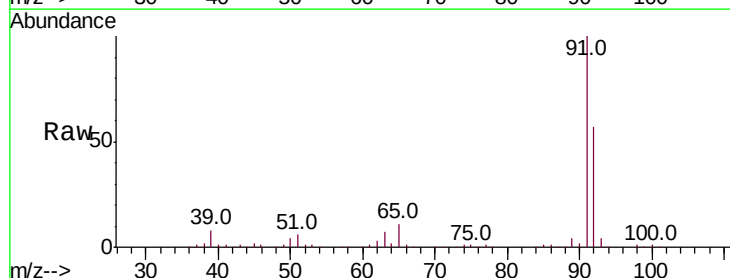
Acq: 31 May 2019 8:51

Tgt Ion: 92 Resp: 368699

Ion Ratio Lower Upper

92 100

91 174.0 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

400000

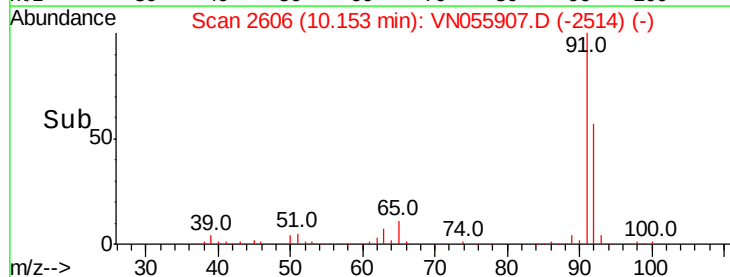
300000

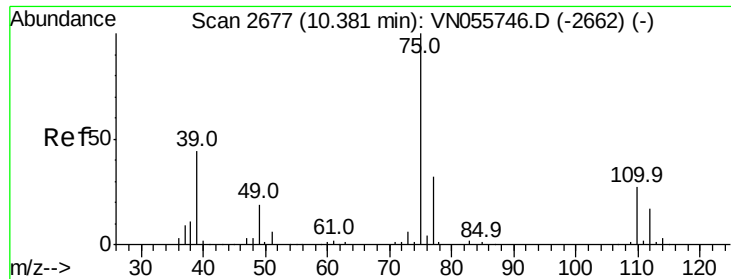
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 50.667 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN055907.D

Acq: 31 May 2019 8:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 211408

Ion Ratio Lower Upper

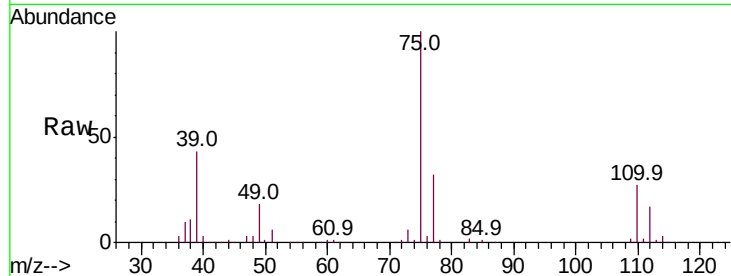
75 100

77 32.1 25.8 38.6

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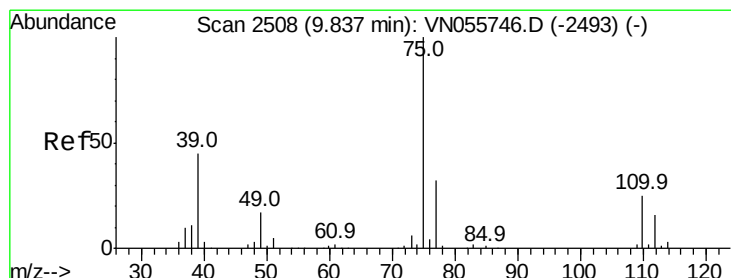
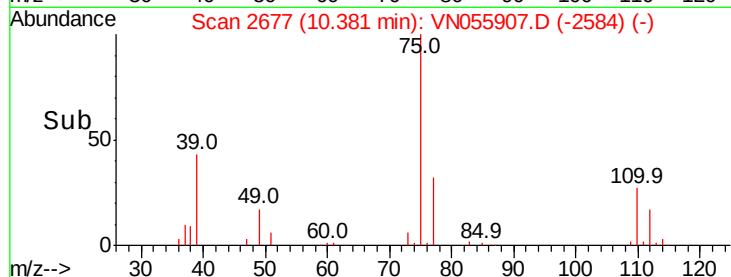
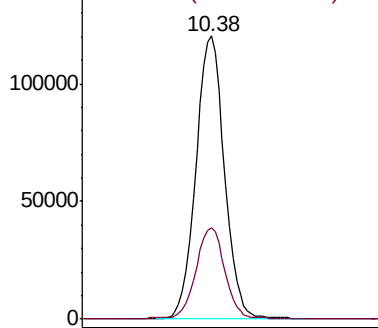
MMDadoda

6/3/2019 4:12:04 PM



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 51.426 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. 0.00 min

Lab File: VN055907.D

Acq: 31 May 2019 8:51

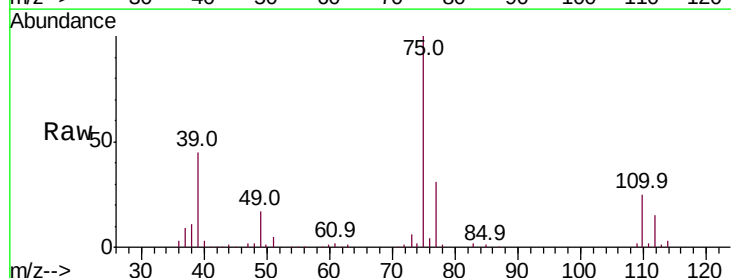
Tgt Ion: 75 Resp: 237708

Ion Ratio Lower Upper

75 100

77 30.8 25.4 38.0

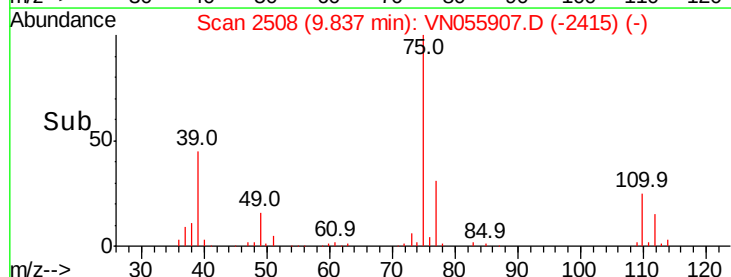
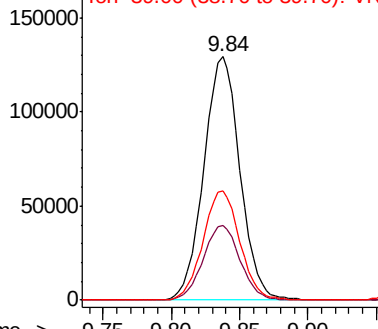
39 45.1 36.3 54.5

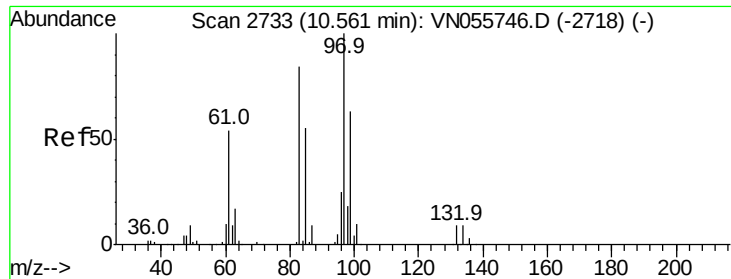


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





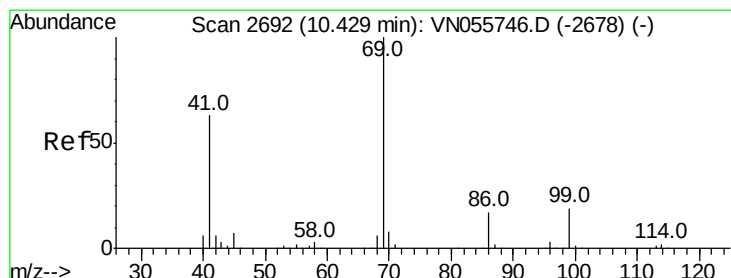
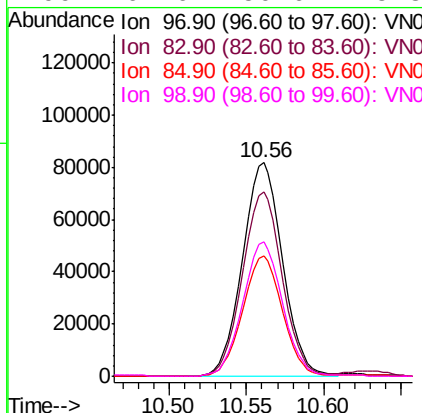
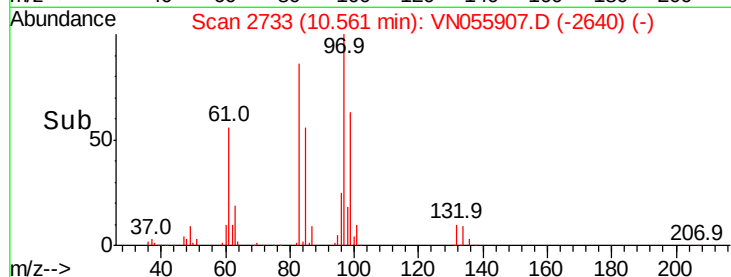
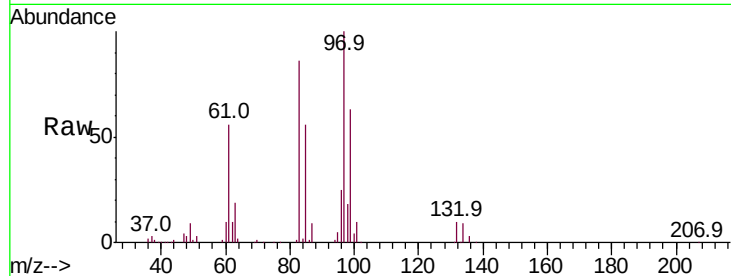
#55
 1,1,2-Trichloroethane
 Concen: 52.566 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN055907.D
 Acq: 31 May 2019 8:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	147763
Ion	Ratio	Lower	Upper
97	100		
83	86.5	67.0	100.6
85	56.3	44.0	66.0
99	62.6	50.6	75.8

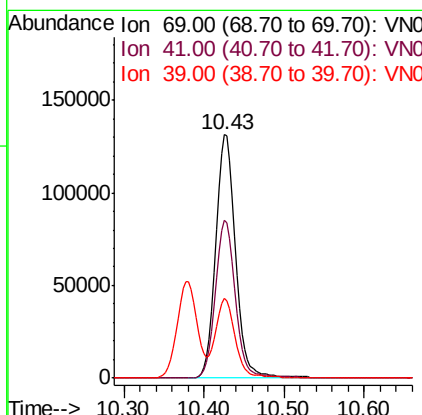
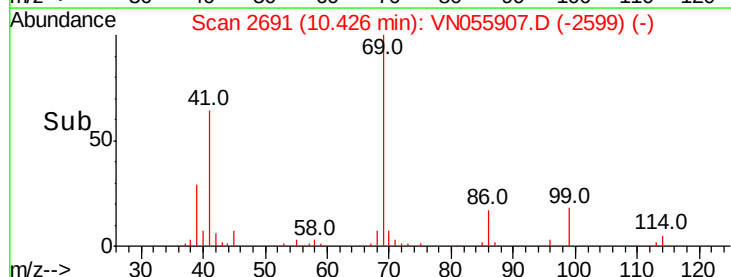
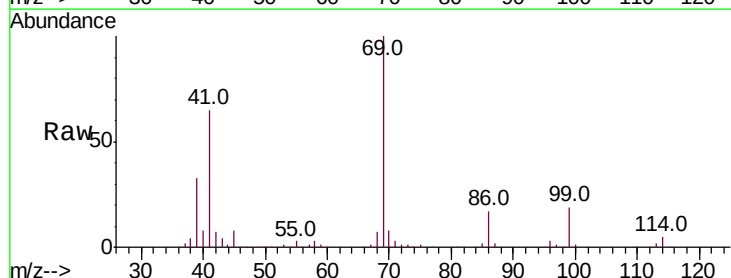
Manual Integrations
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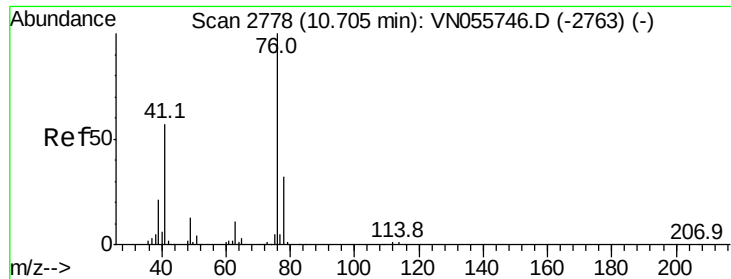
MMDadoda
 6/3/2019 4:12:04 PM



#56
 Ethyl methacrylate
 Concen: 52.376 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. -0.00 min
 Lab File: VN055907.D
 Acq: 31 May 2019 8:51

Tgt Ion:	69	Resp:	227541
Ion	Ratio	Lower	Upper
69	100		
41	64.0	49.7	74.5
39	32.2	24.7	37.1





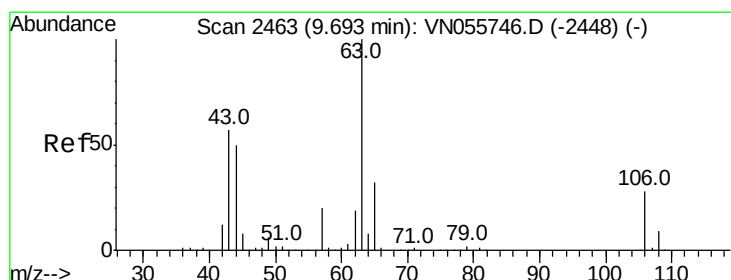
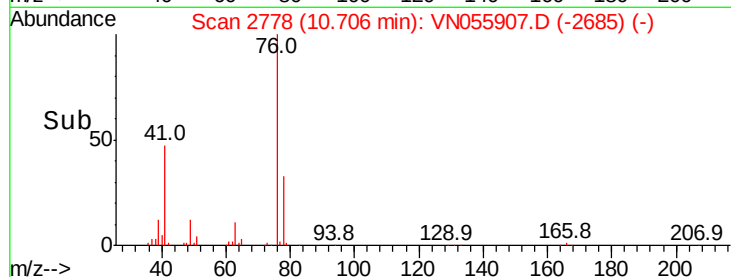
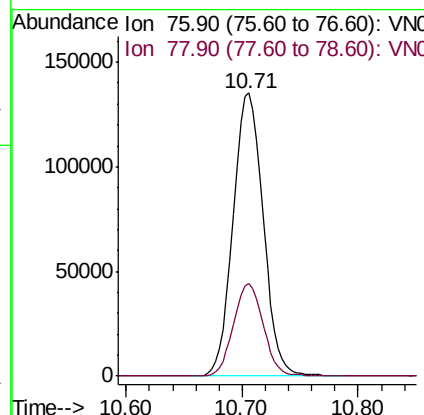
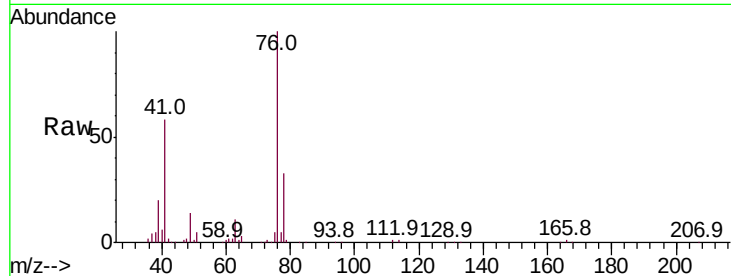
#57
 1,3-Dichloropropane
 Concen: 53.120 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN055907.D
 Acq: 31 May 2019 8:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 242718
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.8 38.6

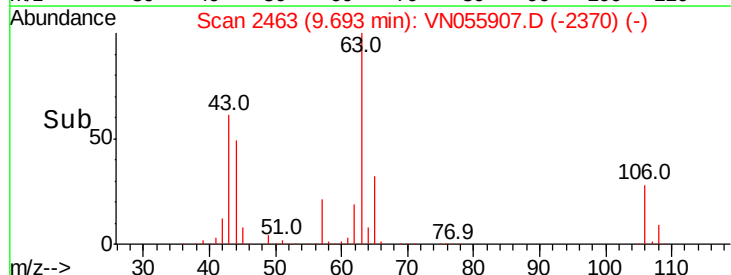
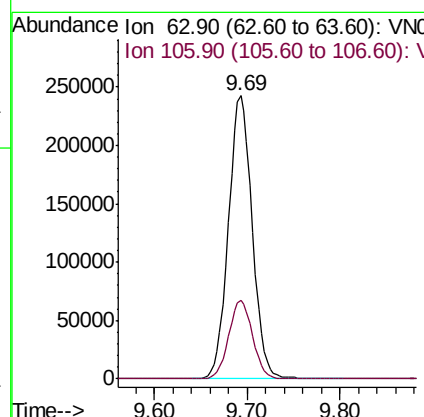
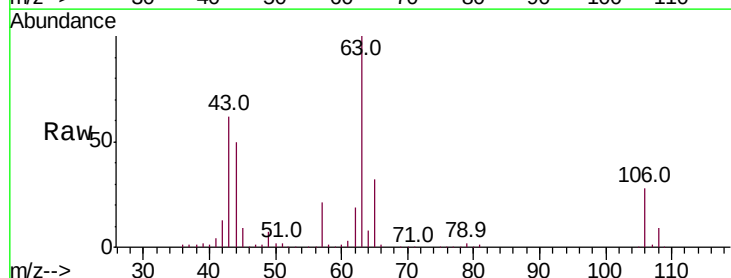
Manual Integrations
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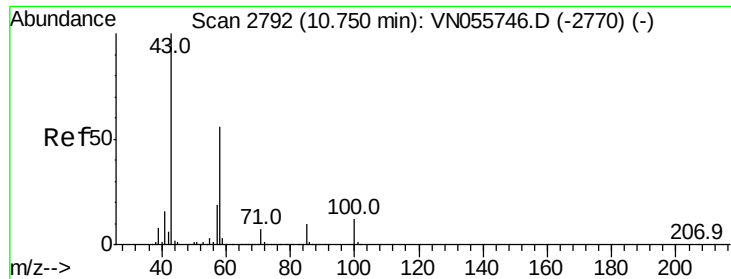
MMDadoda
 6/3/2019 4:12:04 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 259.668 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. 0.00 min
 Lab File: VN055907.D
 Acq: 31 May 2019 8:51

Tgt Ion: 63 Resp: 431109
 Ion Ratio Lower Upper
 63 100
 106 27.8 22.7 34.1





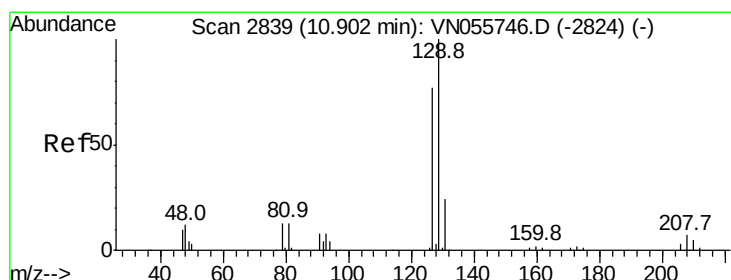
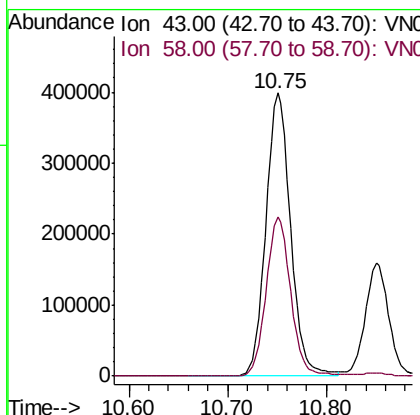
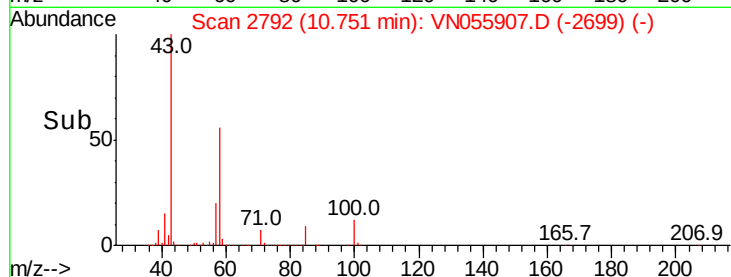
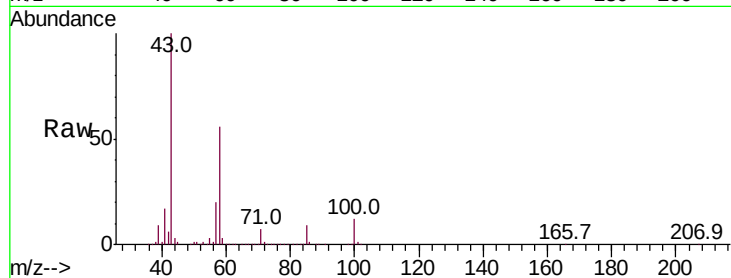
#59
2-Hexanone
Concen: 271.800 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN055907.D
Acq: 31 May 2019 8:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 684574
Ion Ratio Lower Upper
43 100
58 56.4 28.2 84.7

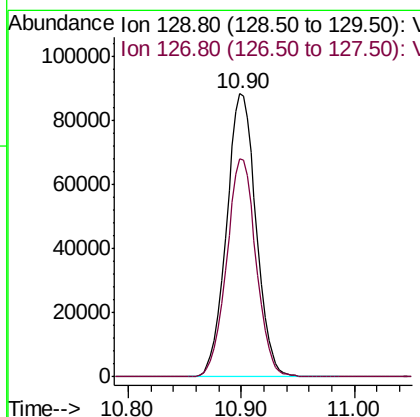
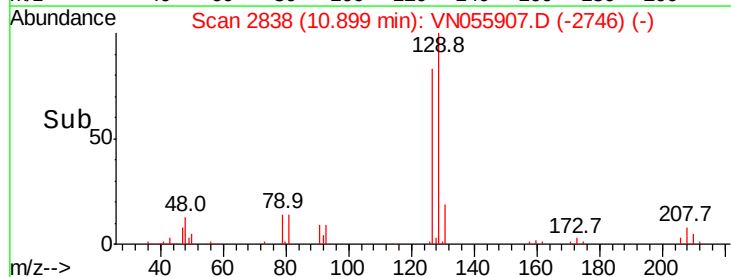
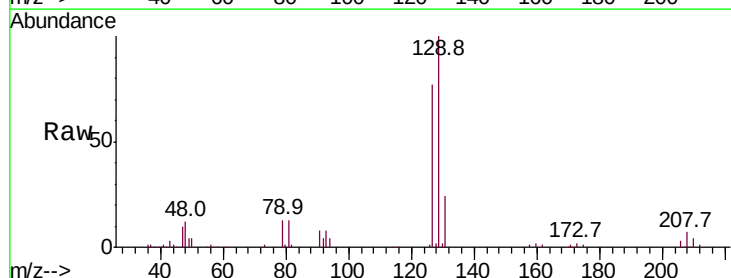
Manual Integrations
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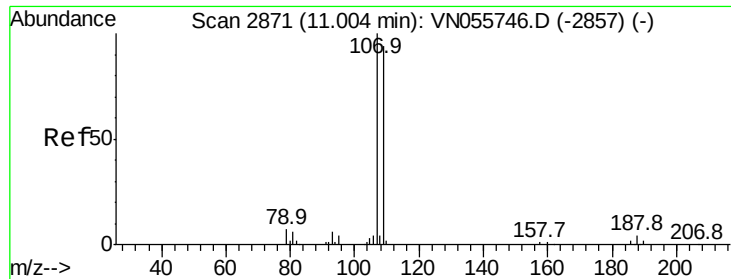
MMDadoda
6/3/2019 4:12:04 PM



#60
Dibromochloromethane
Concen: 48.926 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. -0.00 min
Lab File: VN055907.D
Acq: 31 May 2019 8:51

Tgt Ion: 129 Resp: 160216
Ion Ratio Lower Upper
129 100
127 76.7 38.1 114.3





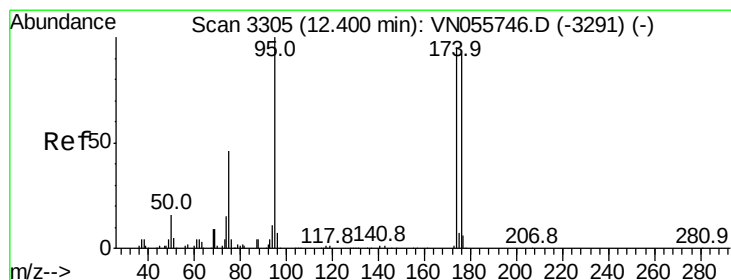
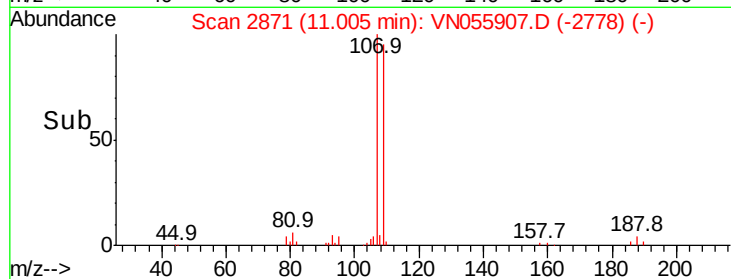
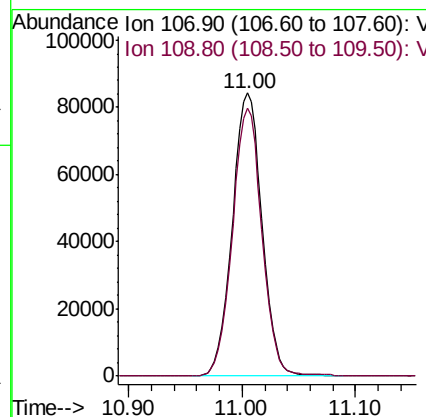
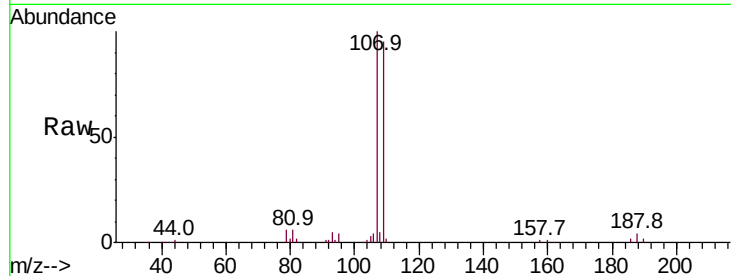
#61
 1,2-Dibromoethane
 Concen: 52.804 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN055907.D
 Acq: 31 May 2019 8:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
107	100	153963		
109	93.8	74.8	112.2	

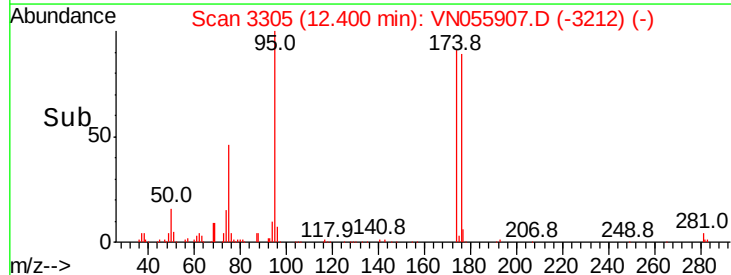
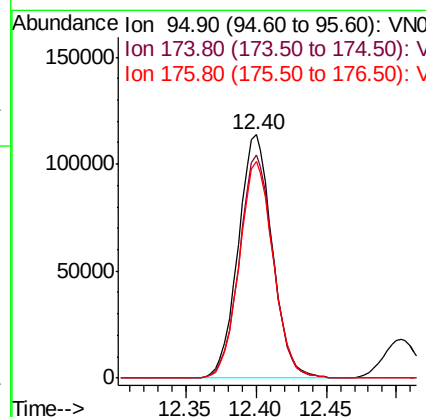
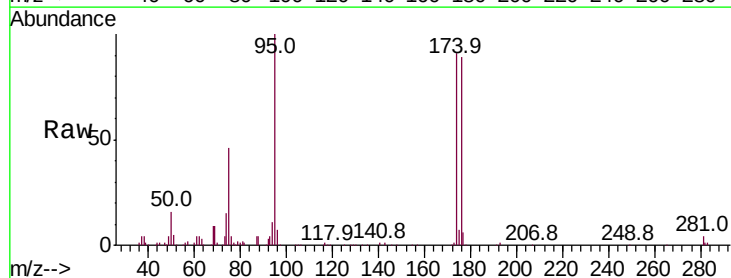
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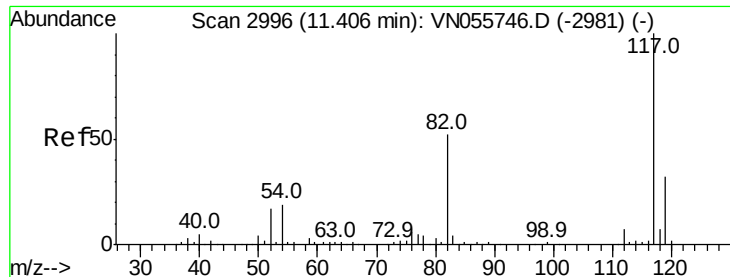
MMDadoda
 6/3/2019 4:12:04 PM



#62
 4-Bromofluorobenzene
 Concen: 54.639 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN055907.D
 Acq: 31 May 2019 8:51

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	193011		
174	90.8	0.0	191.0	
176	88.8	0.0	185.2	





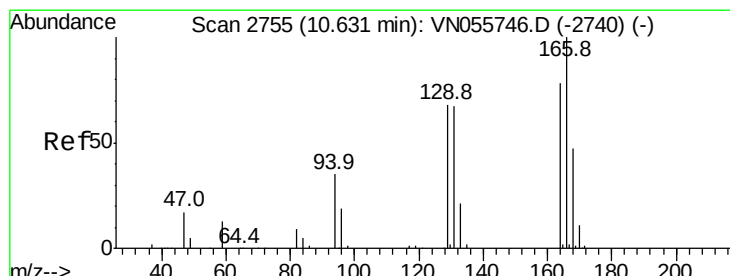
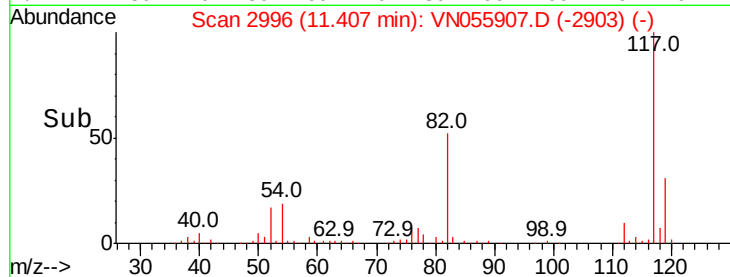
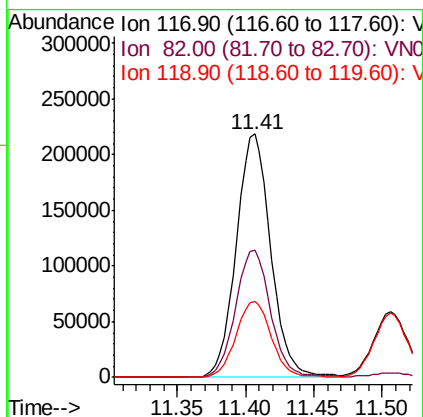
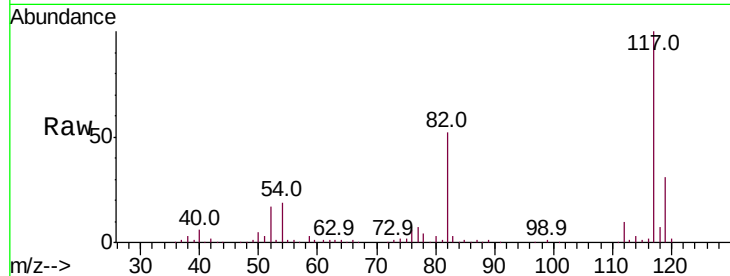
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055907.D
Acq: 31 May 2019 8:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.2	41.8	62.8
119	31.3	25.4	38.0

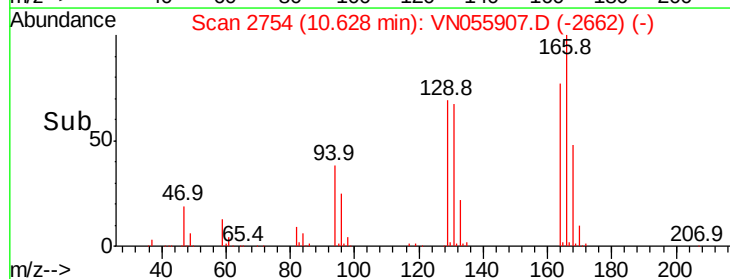
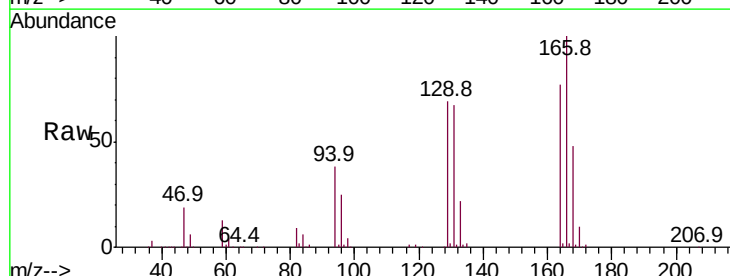
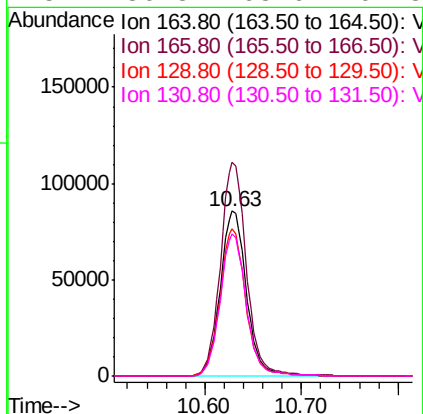
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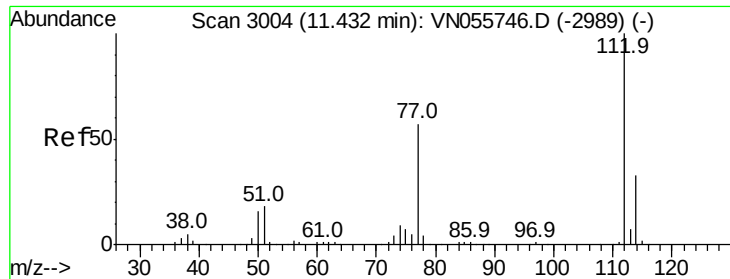
MMDadoda
6/3/2019 4:12:04 PM



#64
Tetrachloroethene
Concen: 49.806 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN055907.D
Acq: 31 May 2019 8:51

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.5	103.0	154.6
129	89.6	70.6	105.8
131	86.3	68.6	102.8





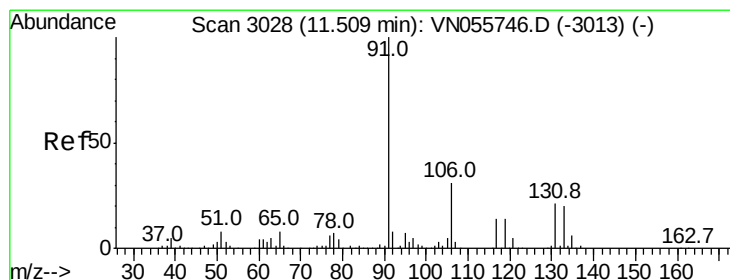
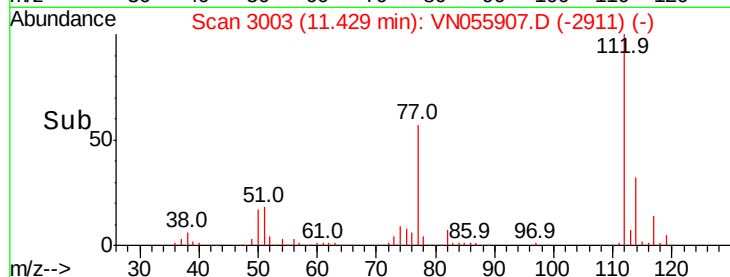
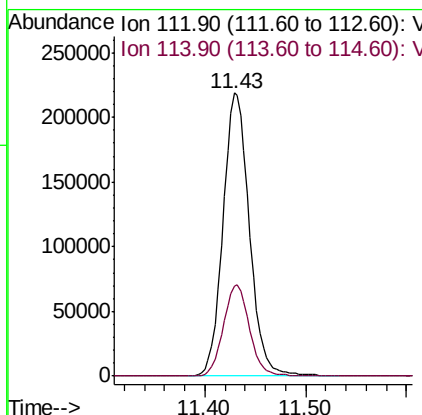
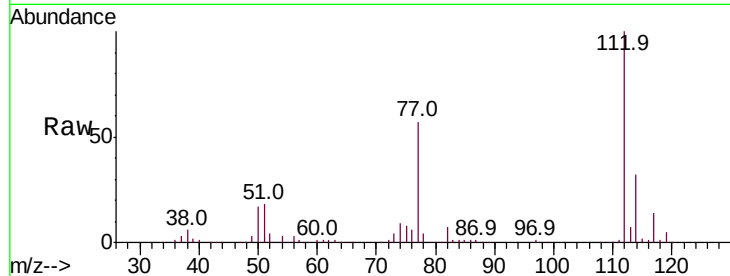
#65
Chlorobenzene
Concen: 52.018 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. -0.00 min
Lab File: VN055907.D
Acq: 31 May 2019 8:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 399665
Ion Ratio Lower Upper
112 100
114 31.8 26.2 39.4

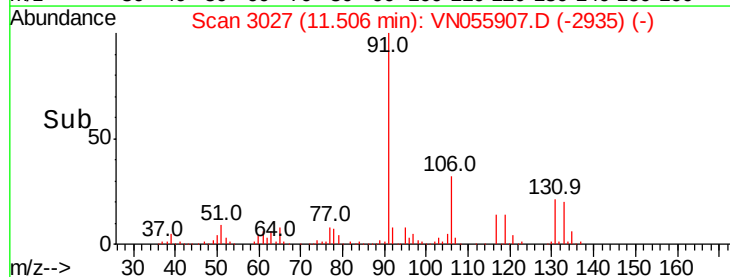
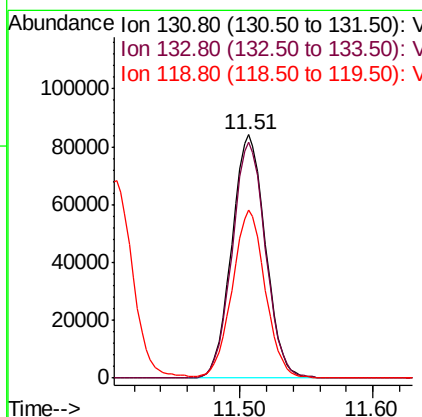
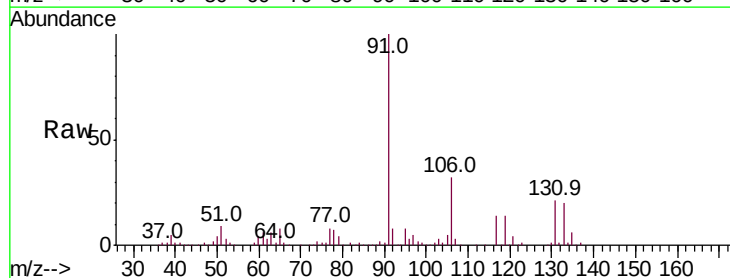
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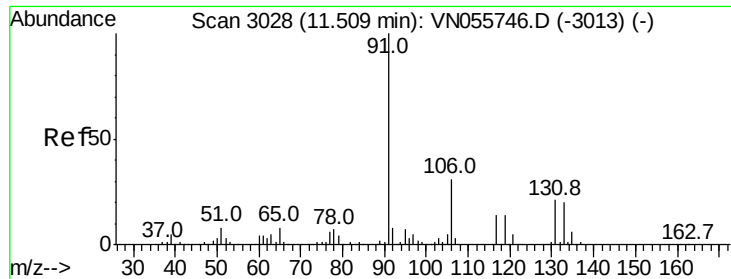
MMDadoda
6/3/2019 4:12:04 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 48.463 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN055907.D
Acq: 31 May 2019 8:51

Tgt Ion:131 Resp: 148506
Ion Ratio Lower Upper
131 100
133 96.1 48.0 144.0
119 67.7 33.1 99.5





#67

Ethyl Benzene

Concen: 51.654 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN055907.D

Acq: 31 May 2019 8:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 711690

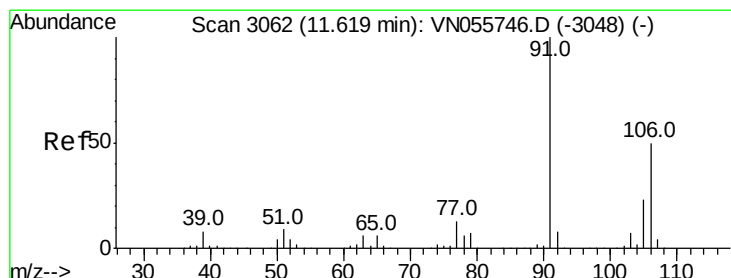
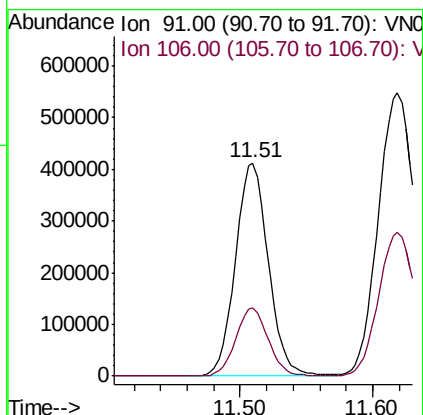
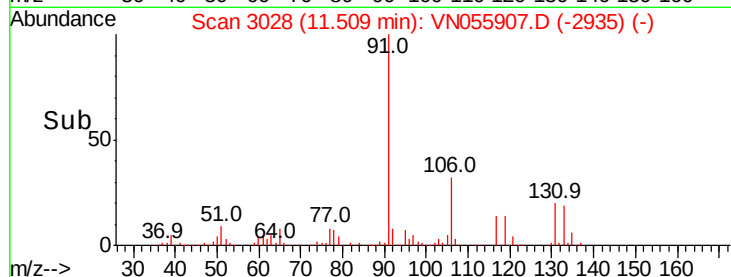
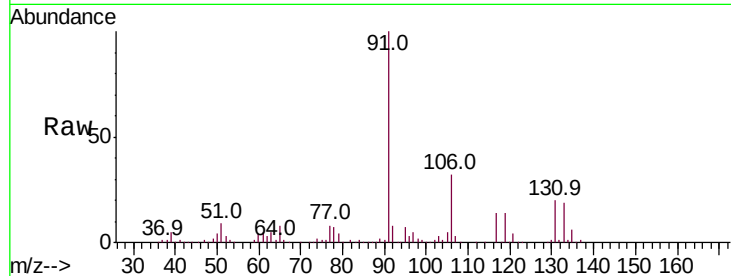
Ion Ratio Lower Upper

91 100

106 32.2 25.1 37.7

Manual Integrations
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6/3/2019 4:12:04 PM



#68

m/p-Xylenes

Concen: 105.417 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN055907.D

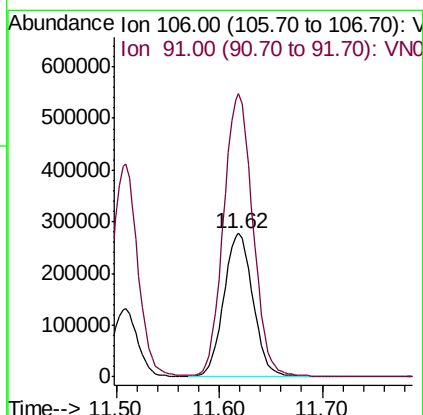
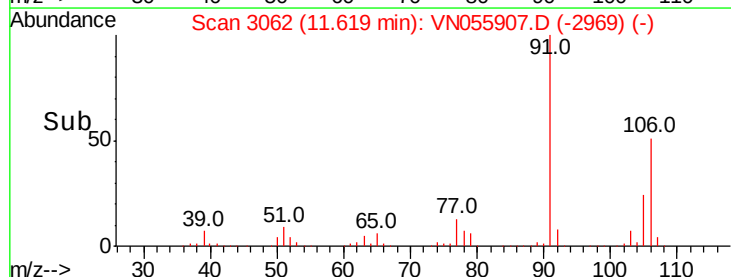
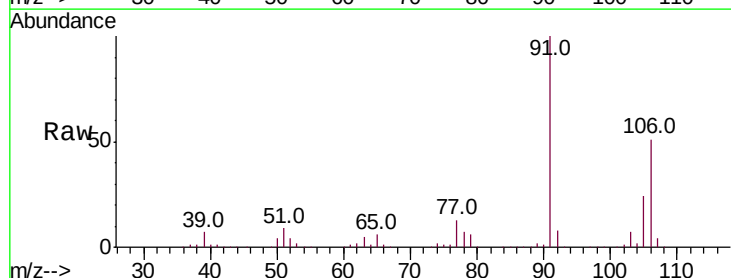
Acq: 31 May 2019 8:51

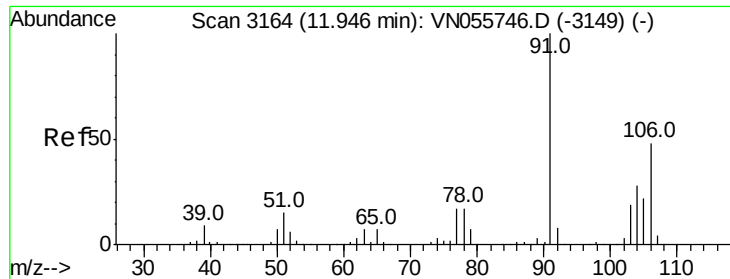
Tgt Ion: 106 Resp: 549095

Ion Ratio Lower Upper

106 100

91 198.3 159.3 238.9





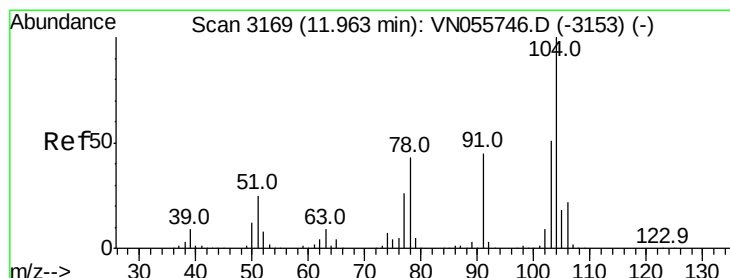
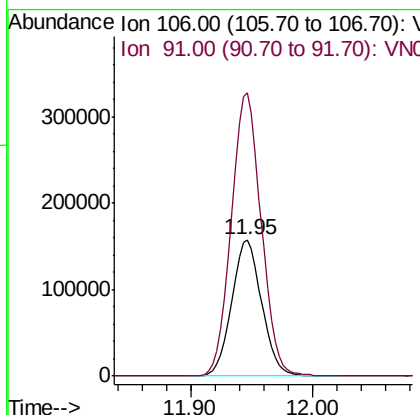
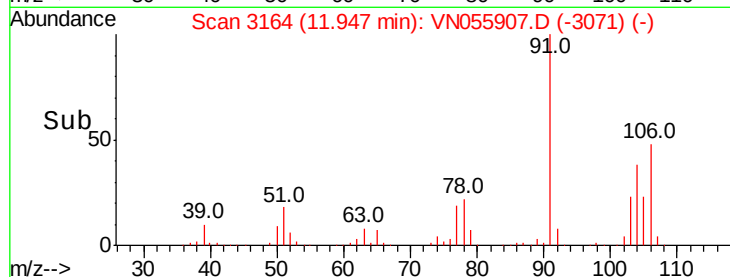
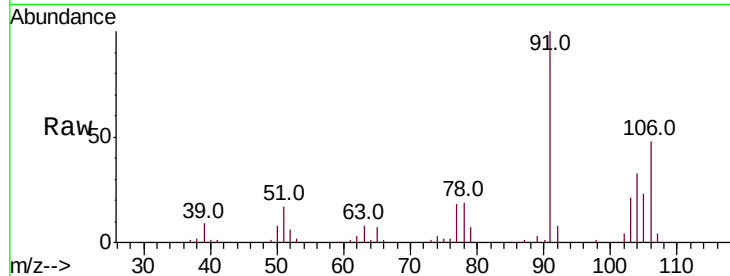
#69
o-Xylene
Concen: 52.014 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055907.D
Acq: 31 May 2019 8:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 268800
Ion Ratio Lower Upper
106 100
91 208.3 104.7 314.1

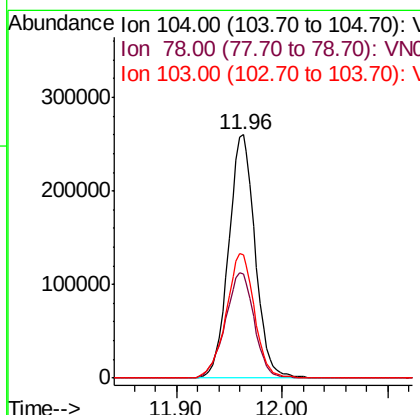
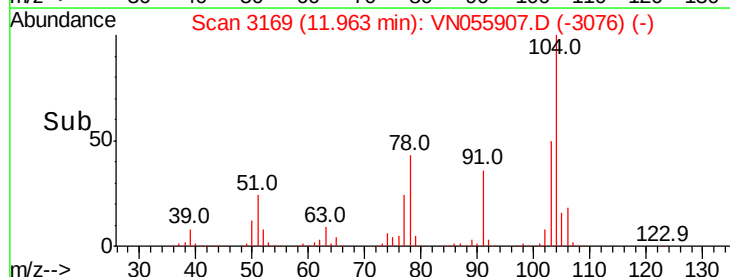
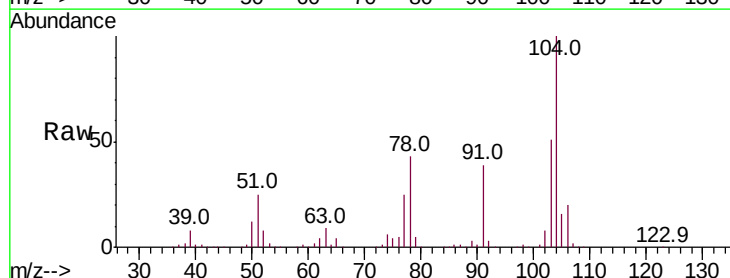
Manual Integrations
APPROVED

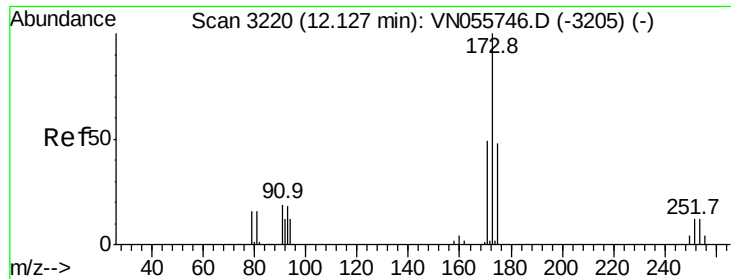
MMDadoda
6/3/2019 4:12:04 PM



#70
Styrene
Concen: 53.796 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055907.D
Acq: 31 May 2019 8:51

Tgt Ion:104 Resp: 450211
Ion Ratio Lower Upper
104 100
78 47.7 37.8 56.6
103 54.7 44.2 66.2





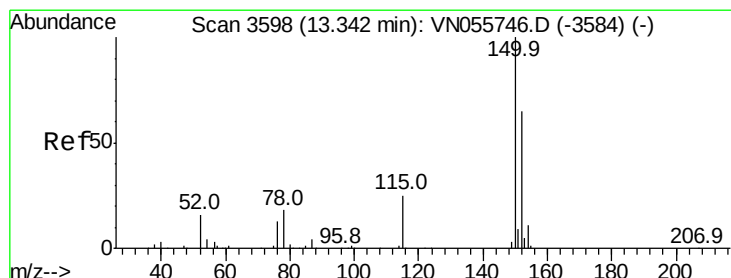
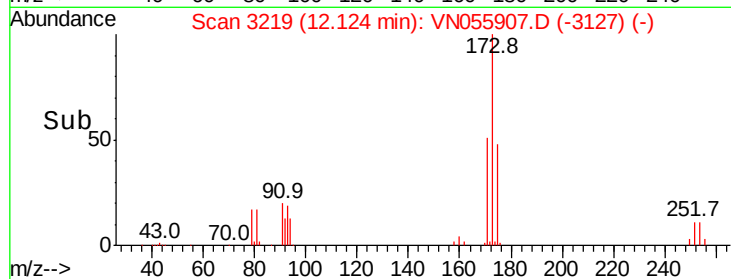
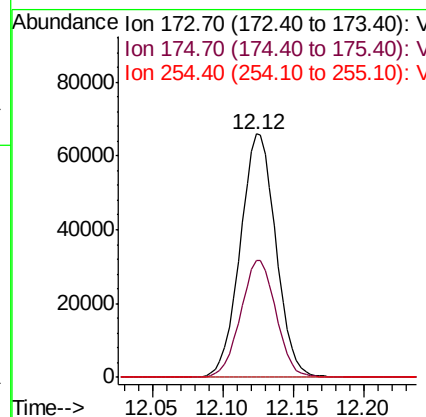
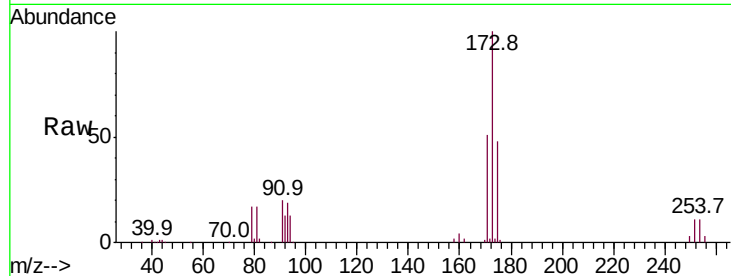
#71
Bromoform
Concen: 44.619 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. -0.00 min
Lab File: VN055907.D
Acq: 31 May 2019 8:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.8	24.3	72.8
254	0.0	0.0	0.0

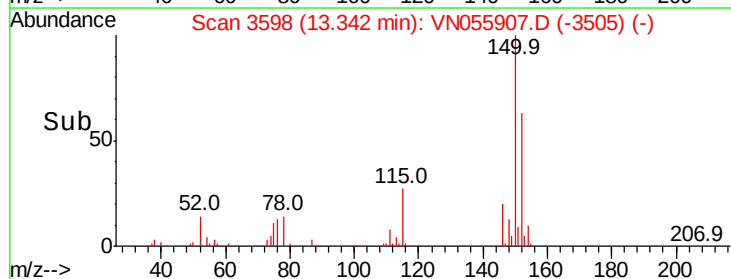
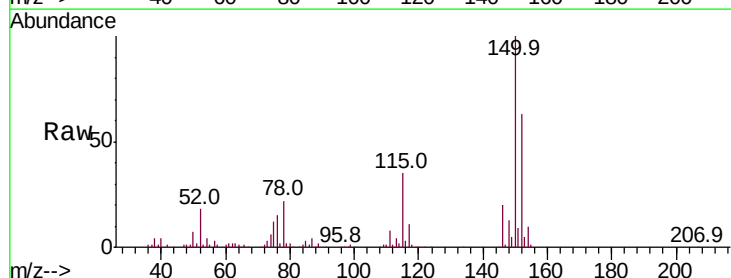
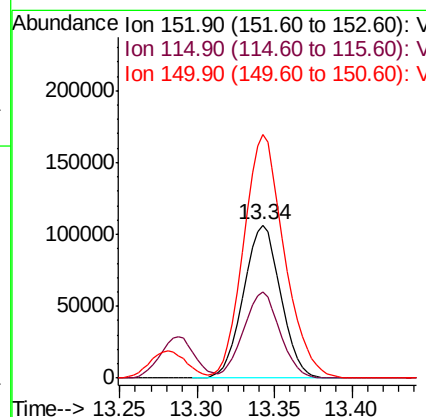
Manual Integrations
APPROVED

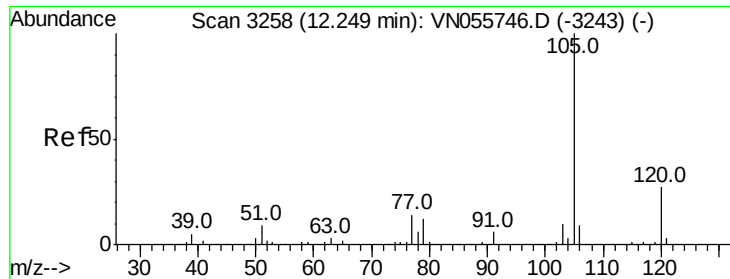
MMDadoda
6/3/2019 4:12:04 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN055907.D
Acq: 31 May 2019 8:51

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.9	27.0	81.0
150	173.6	0.0	343.2





#73

Isopropylbenzene

Concen: 56.100 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN055907.D

Acq: 31 May 2019 8:51

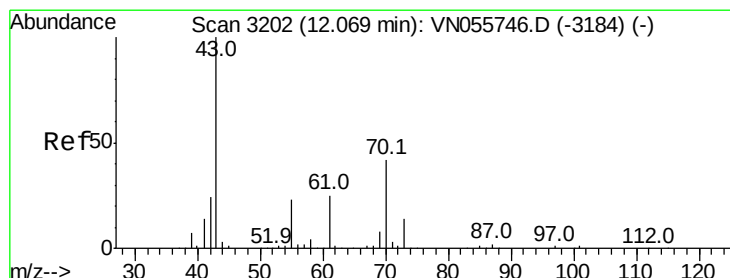
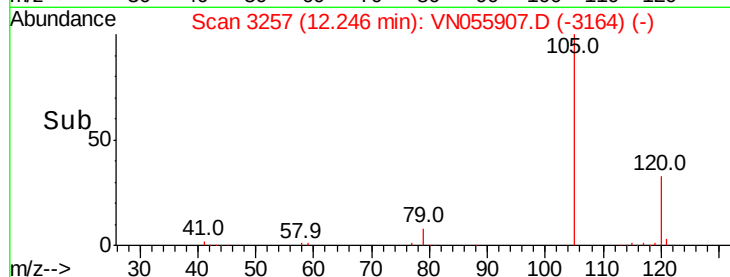
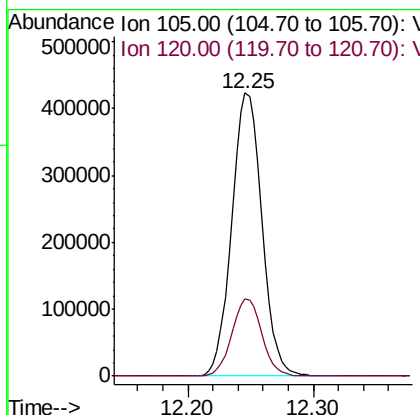
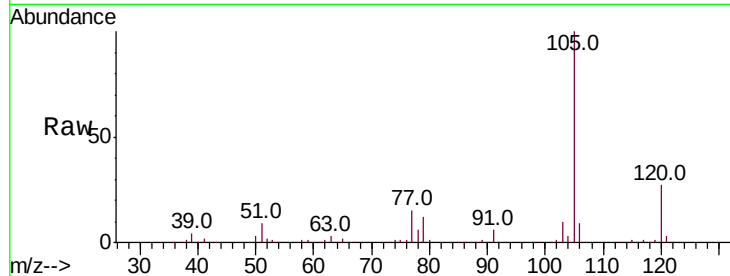
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:105 Resp: 707077

Ion	Ratio	Lower	Upper
105	100		
120	27.0	13.6	40.7

Manual Integrations
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MMDadoda
6/3/2019 4:12:04 PM



#74

N-amyl acetate

Concen: 52.897 ug/l

RT: 12.07 min Scan# 3201

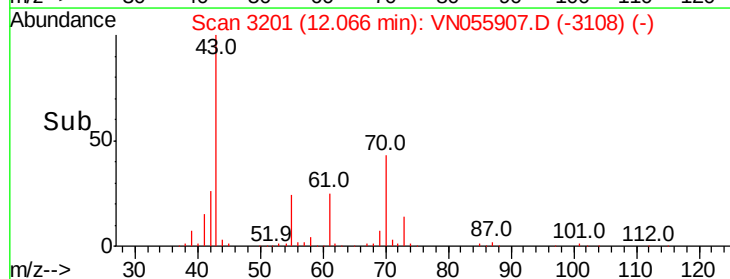
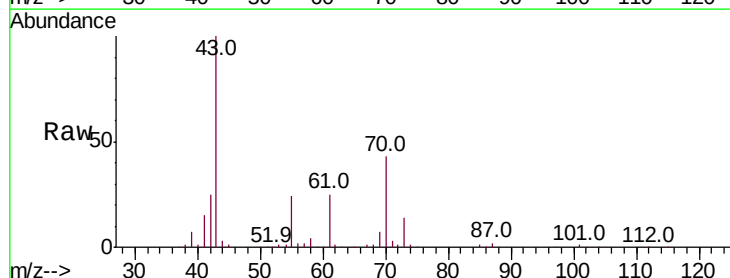
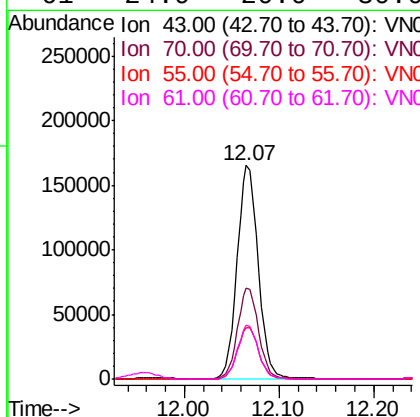
Delta R.T. -0.00 min

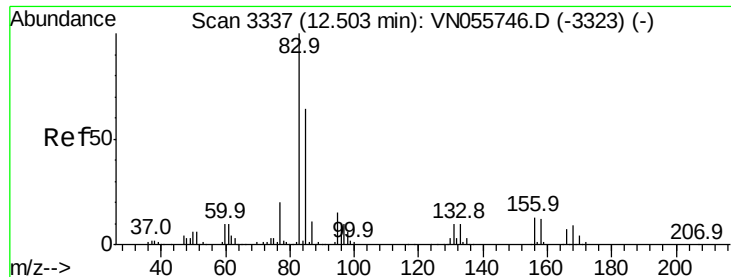
Lab File: VN055907.D

Acq: 31 May 2019 8:51

Tgt Ion: 43 Resp: 254644

Ion	Ratio	Lower	Upper
43	100		
70	42.6	34.0	51.0
55	24.6	18.6	28.0
61	24.9	20.0	30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 55.388 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055907.D

Acq: 31 May 2019 8:51

Instrument :

MSVOA_N

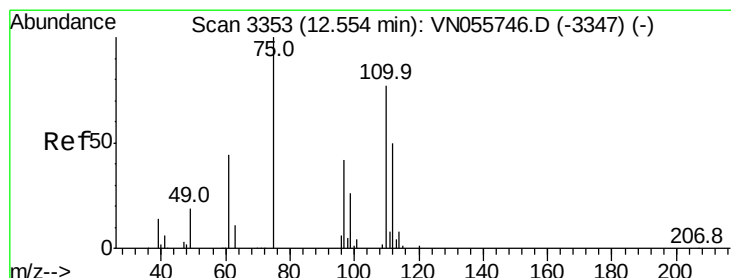
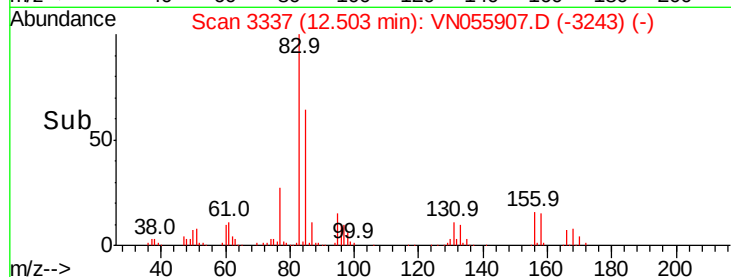
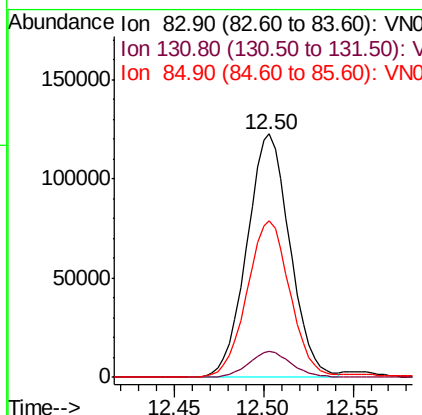
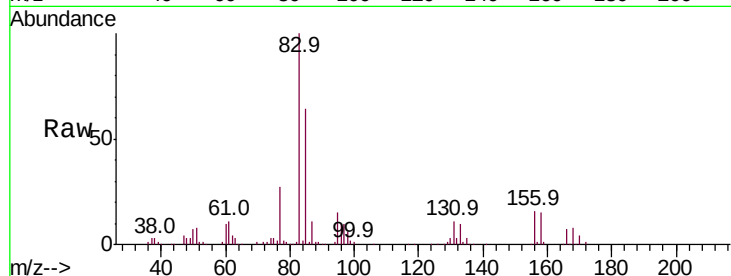
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	206624
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.4	16.2
85	64.5	32.4	97.0

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#76

1,2,3-Trichloropropane

Concen: 54.952 ug/l m

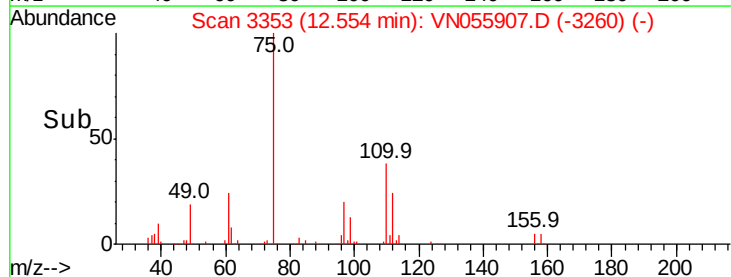
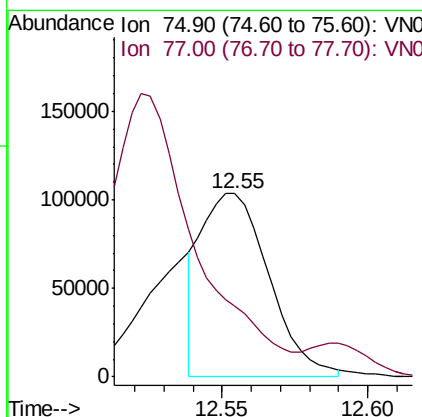
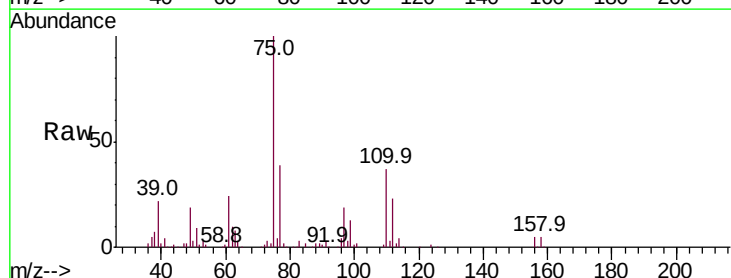
RT: 12.55 min Scan# 3353

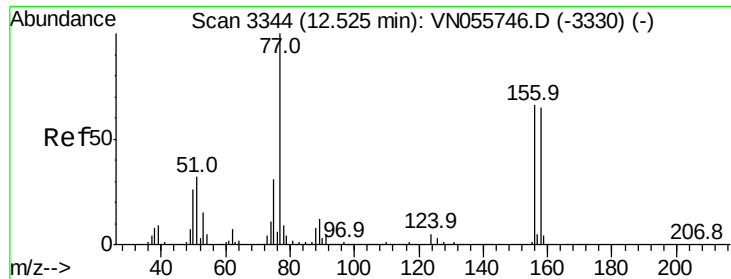
Delta R.T. 0.00 min

Lab File: VN055907.D

Acq: 31 May 2019 8:51

Tgt Ion:	75	Resp:	167678
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 48.419 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VN055907.D

Acq: 31 May 2019 8:51

Instrument :

MSVOA_N

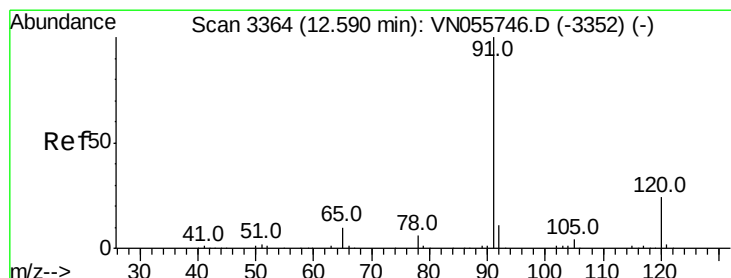
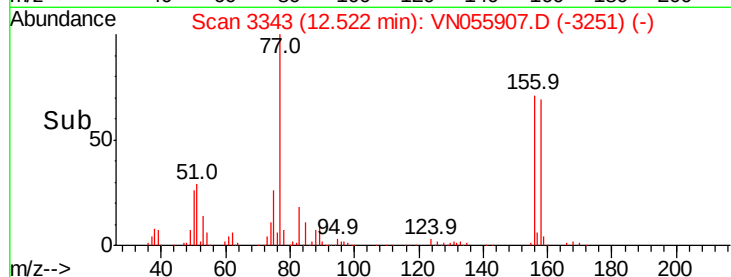
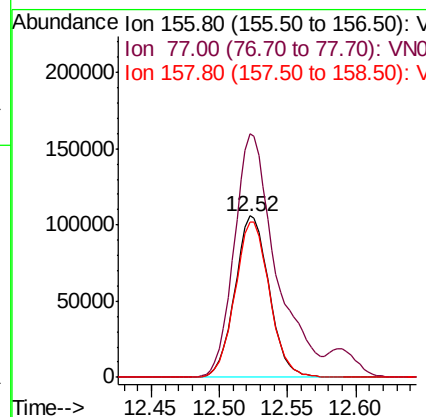
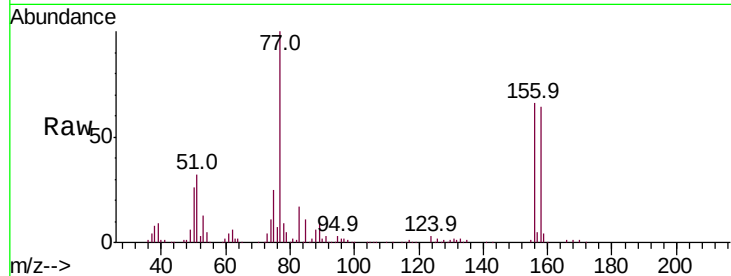
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	183.6	90.8	272.5
158	97.5	49.3	147.8

Manual Integrations
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#78

n-propylbenzene

Concen: 50.870 ug/l

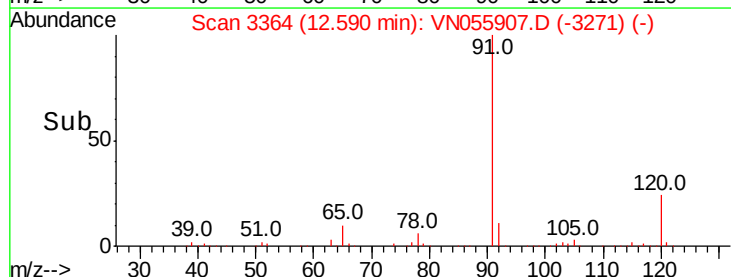
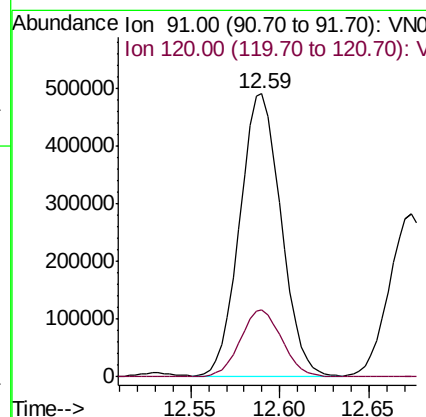
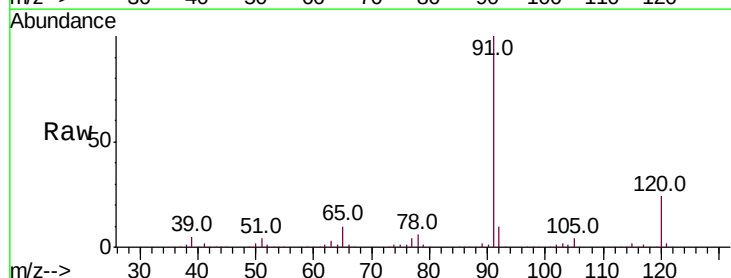
RT: 12.59 min Scan# 3364

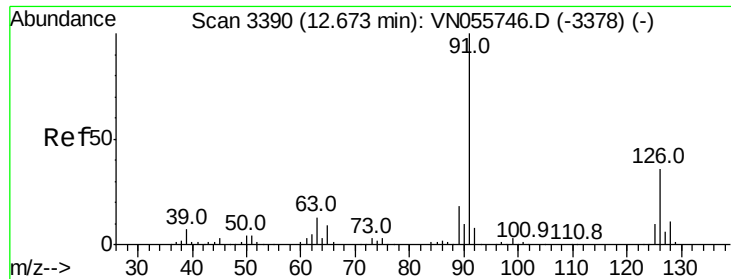
Delta R.T. 0.00 min

Lab File: VN055907.D

Acq: 31 May 2019 8:51

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.0	12.0	36.0





#79

2-Chlorotoluene

Concen: 56.615 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055907.D

Acq: 31 May 2019 8:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 469553

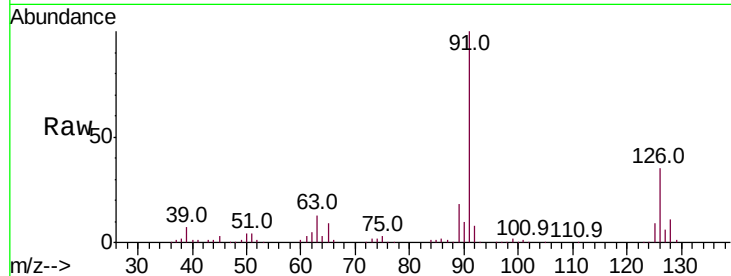
Ion Ratio Lower Upper

91 100

126 35.3 18.1 54.4

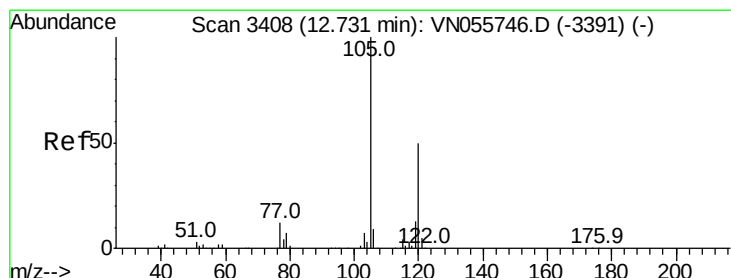
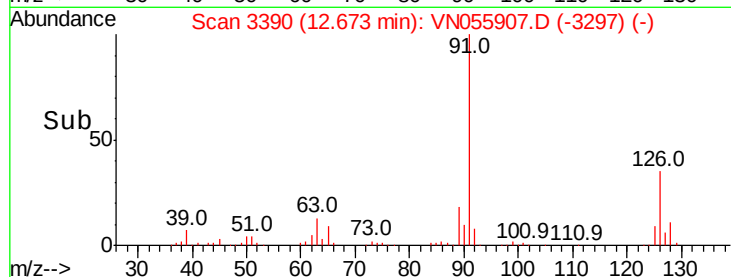
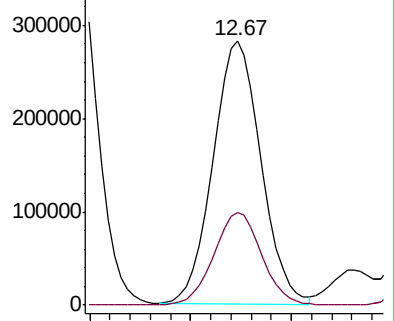
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Abundance Ion 91.00 (90.70 to 91.70): VN055746.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN055746.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 56.930 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055907.D

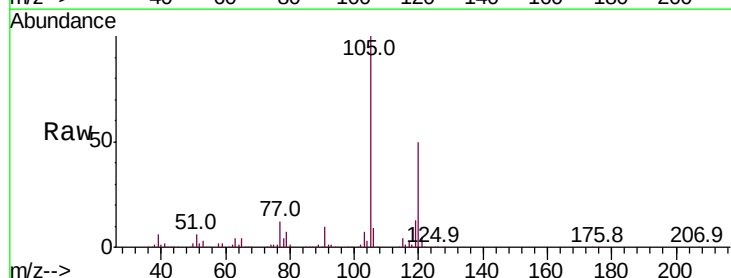
Acq: 31 May 2019 8:51

Tgt Ion: 105 Resp: 603709

Ion Ratio Lower Upper

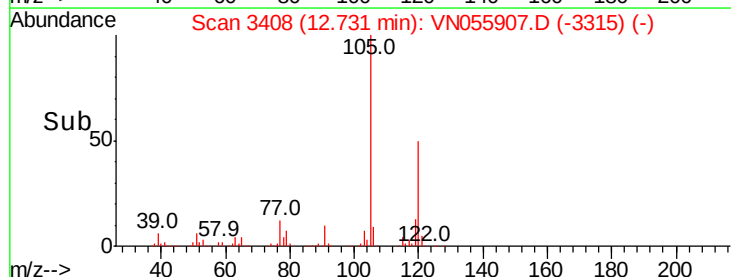
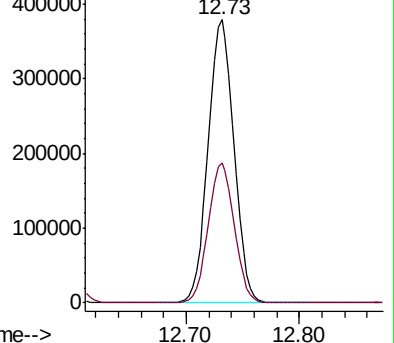
105 100

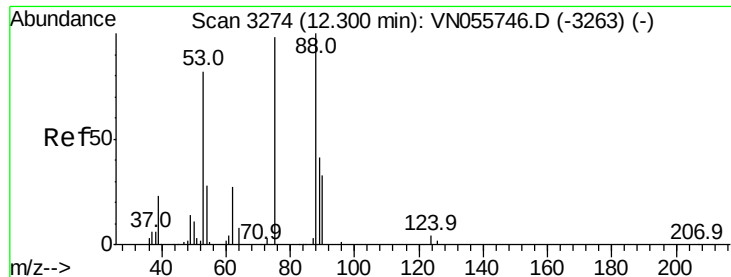
120 49.7 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): VN055746.D (-3391) (-)

Ion 120.00 (119.70 to 120.70): VN055746.D (-3391) (-)





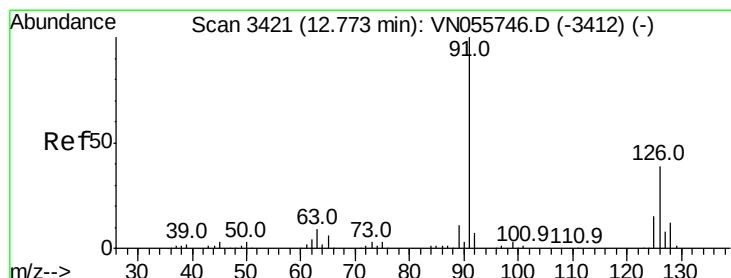
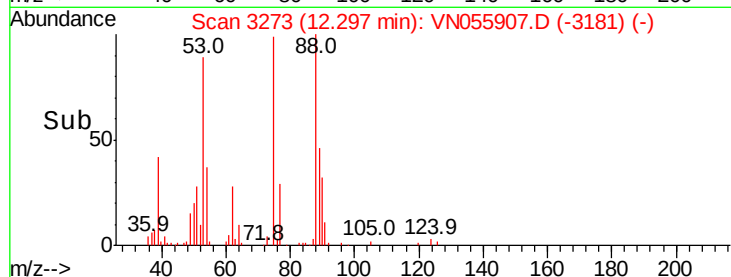
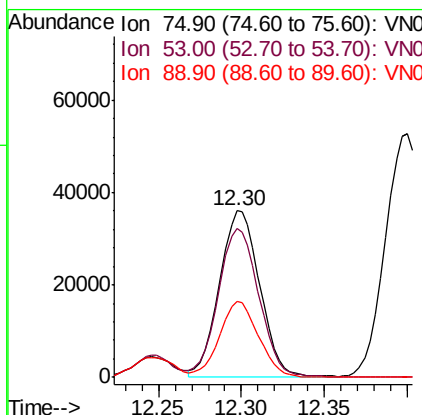
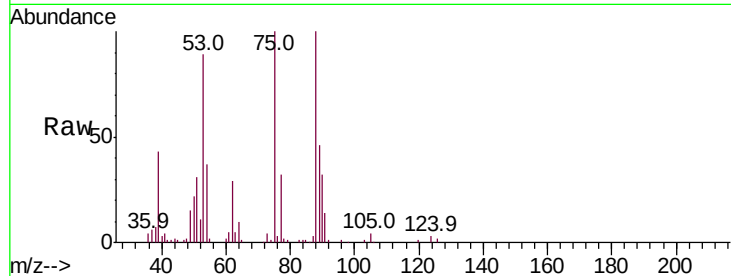
#81
trans-1,4-Dichloro-2-butene
Concen: 46.215 ug/l
RT: 12.30 min Scan# 3273
Delta R.T. -0.00 min
Lab File: VN055907.D
Acq: 31 May 2019 8:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	90.2	68.1	102.1
89	44.0	36.9	55.3

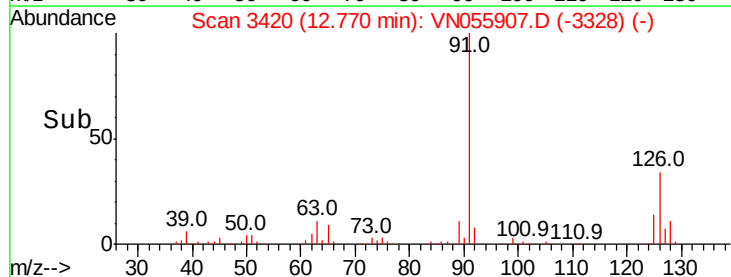
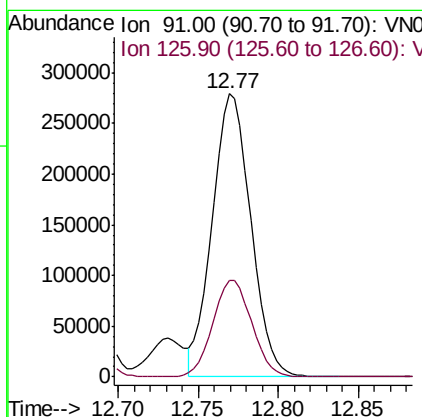
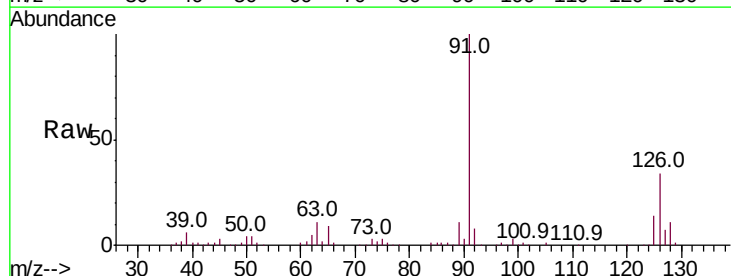
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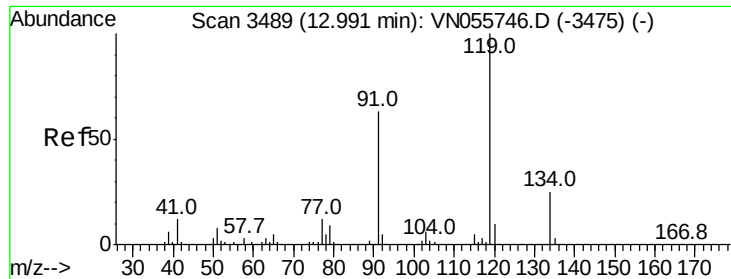
MMDadoda
6/3/2019 4:12:04 PM



#82
4-Chlorotoluene
Concen: 50.704 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. -0.00 min
Lab File: VN055907.D
Acq: 31 May 2019 8:51

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.6	17.8	53.3





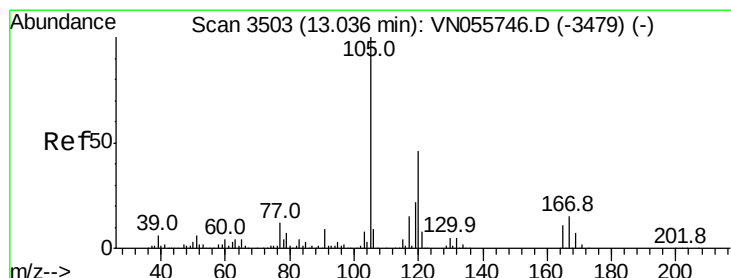
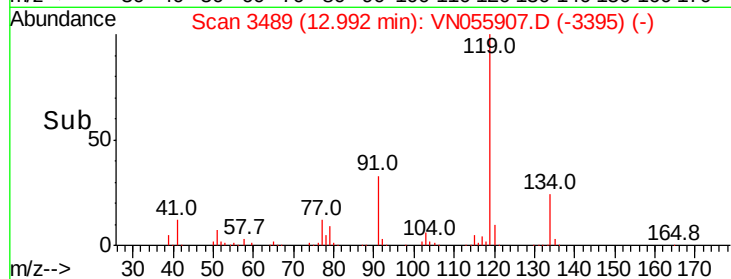
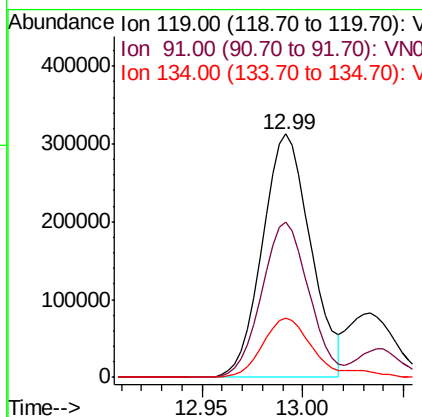
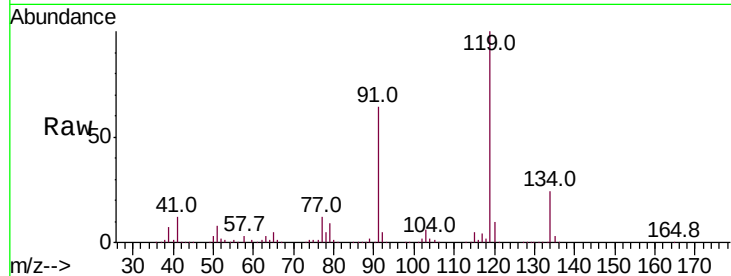
#83
 tert-Butylbenzene
 Concen: 56.923 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN055907.D
 Acq: 31 May 2019 8:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	521190		
91	62.5	30.9	92.8	
134	26.2	13.3	39.8	

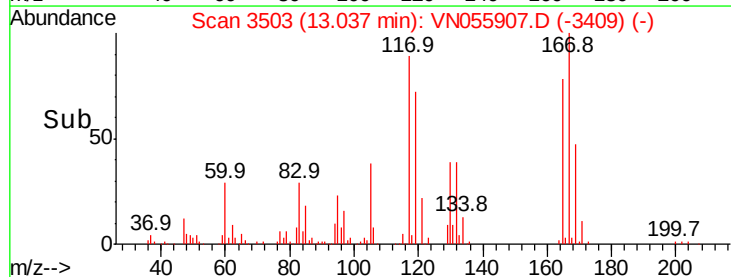
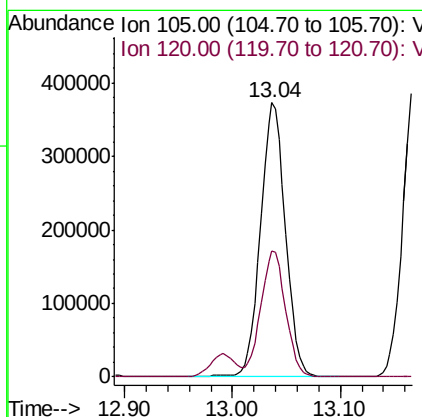
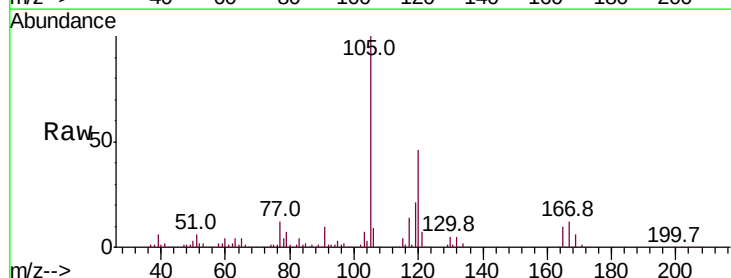
Manual Integrations
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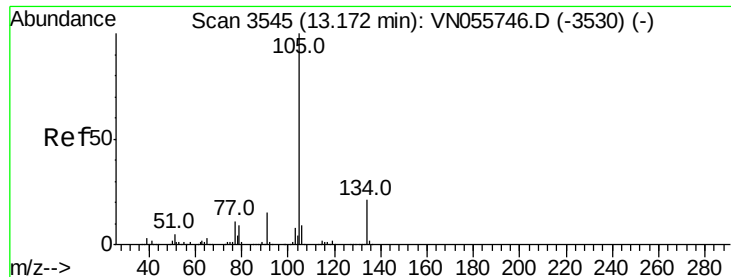
MMDadoda
 6/3/2019 4:12:04 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 56.310 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN055907.D
 Acq: 31 May 2019 8:51

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	596757		
120	45.4	23.0	69.0	





#85

sec-Butylbenzene

Concen: 57.933 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055907.D

Acq: 31 May 2019 8:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 690551

Ion Ratio Lower Upper

105 100

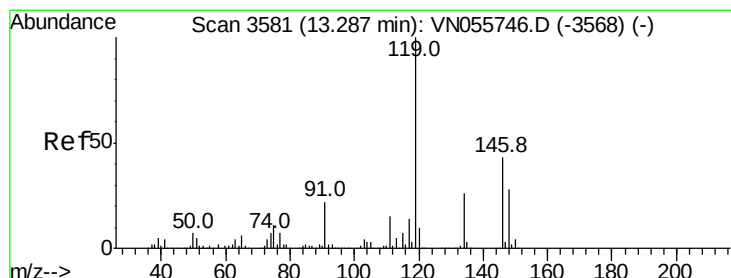
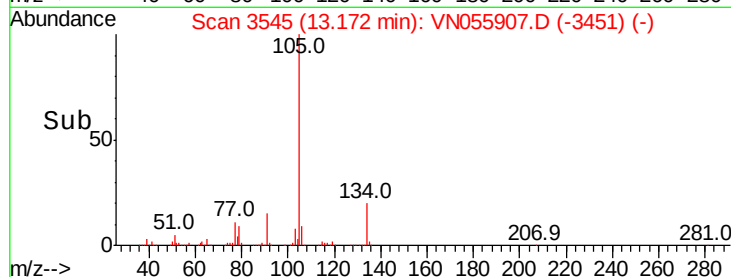
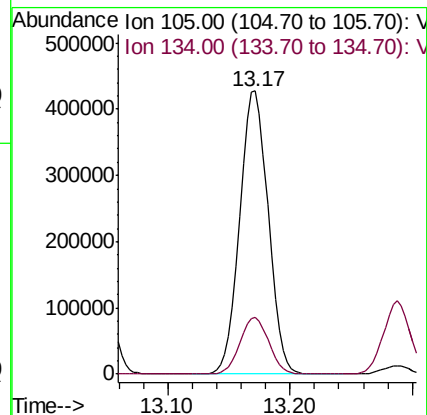
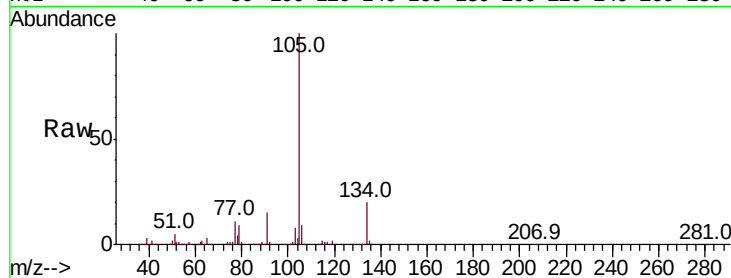
134 20.2 10.4 31.2

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 51.123 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055907.D

Acq: 31 May 2019 8:51

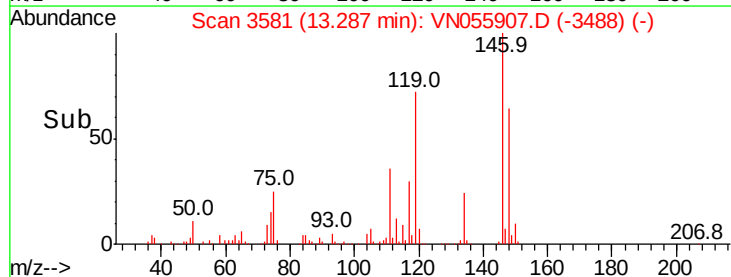
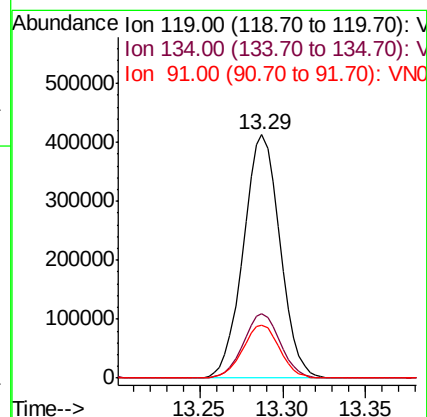
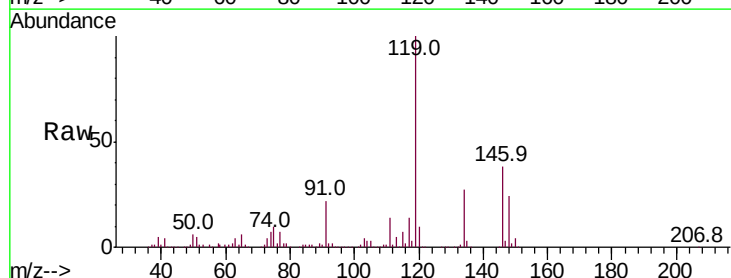
Tgt Ion:119 Resp: 632735

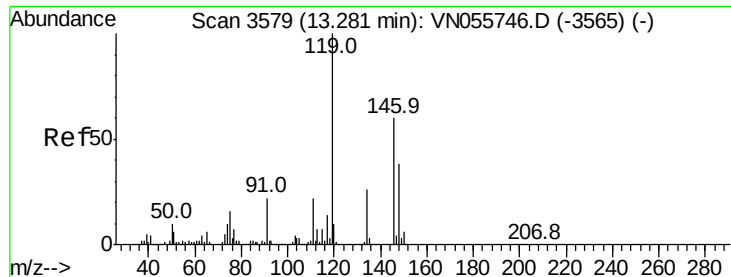
Ion Ratio Lower Upper

119 100

134 26.6 13.4 40.1

91 21.8 10.9 32.9





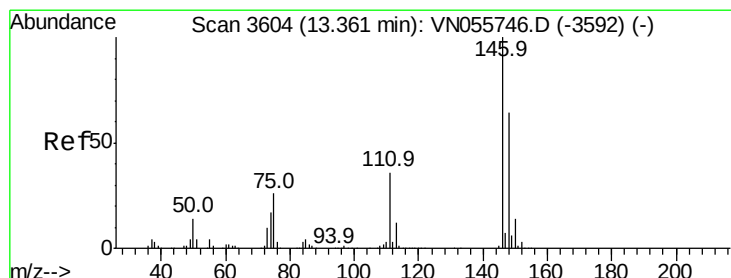
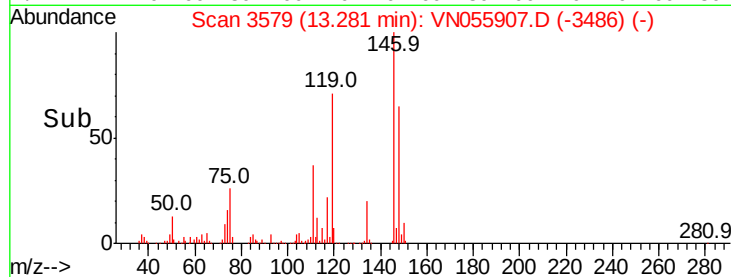
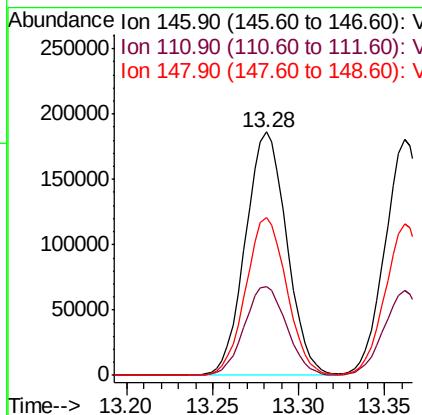
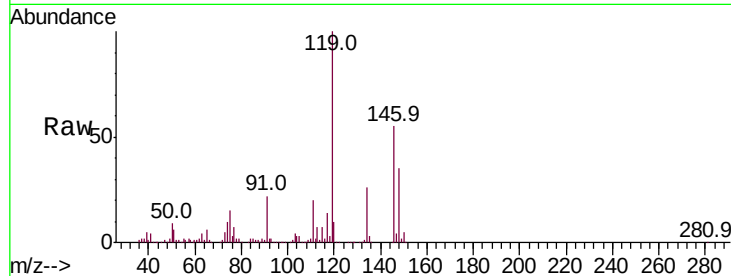
#87
 1,3-Dichlorobenzene
 Concen: 51.610 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055907.D
 Acq: 31 May 2019 8:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100			
111	37.4	18.5	55.5	
148	64.2	32.0	96.2	

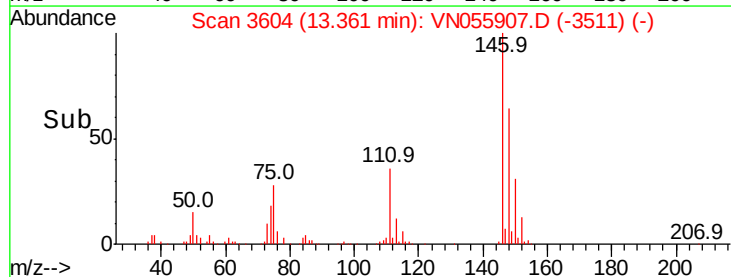
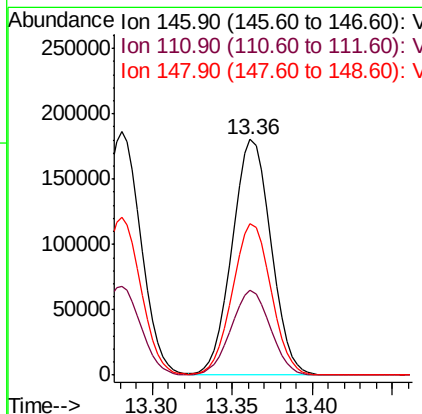
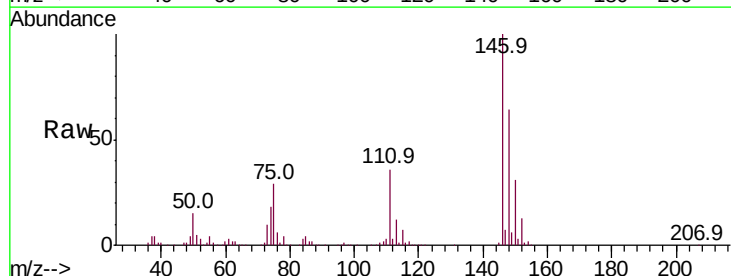
Manual Integrations
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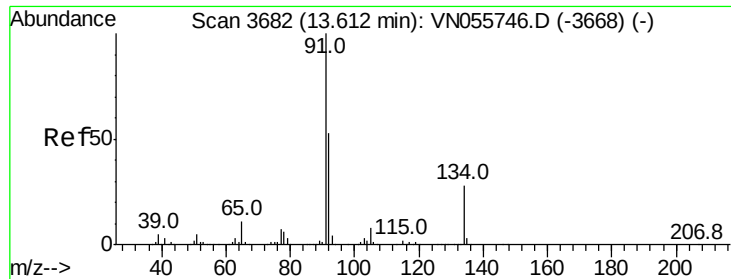
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#88
 1,4-Dichlorobenzene
 Concen: 52.124 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN055907.D
 Acq: 31 May 2019 8:51

Tgt Ion	Ratio	Resp	Lower	Upper
146	100			
111	36.4	18.1	54.4	
148	64.3	32.1	96.5	





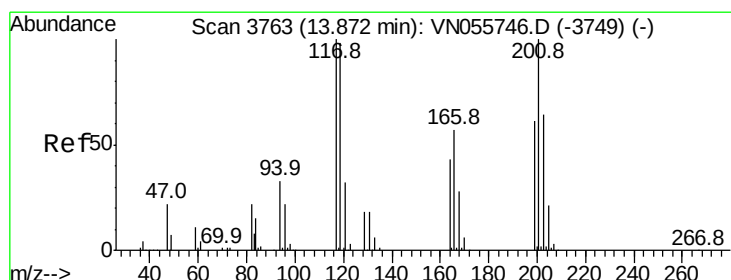
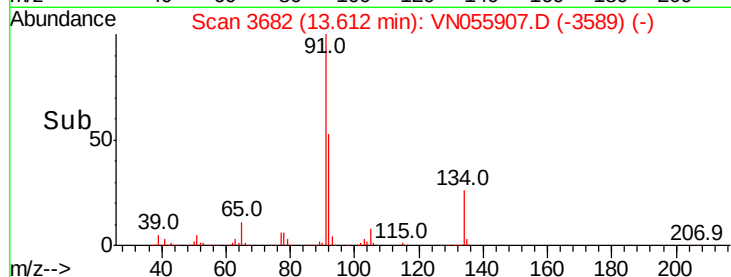
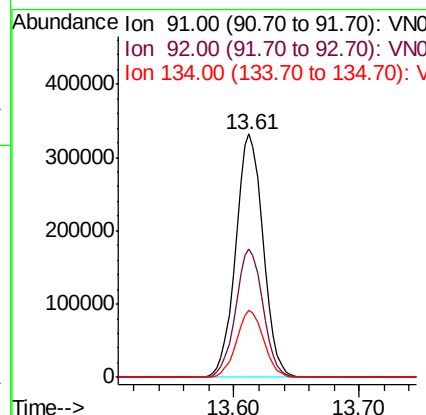
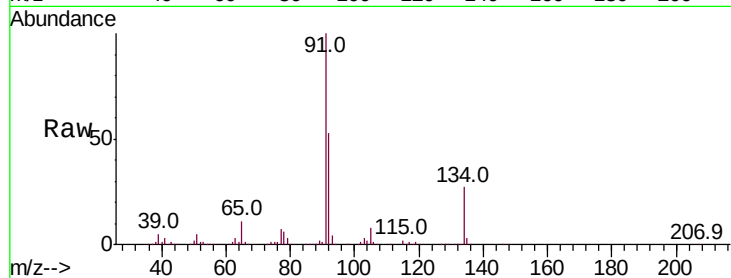
#89
n-Butylbenzene
Concen: 53.139 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055907.D
Acq: 31 May 2019 8:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.6	26.4	79.0
134	27.4	13.9	41.7

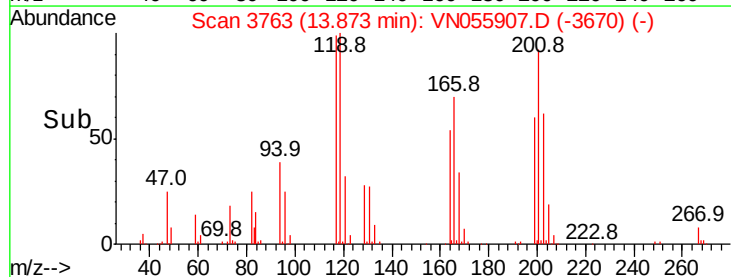
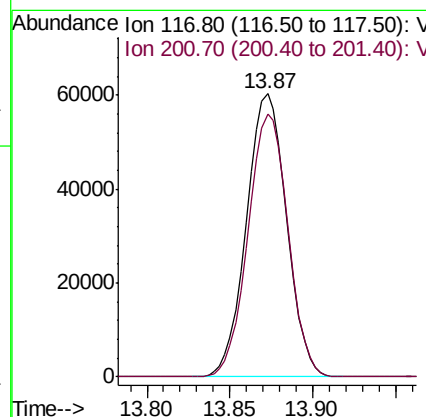
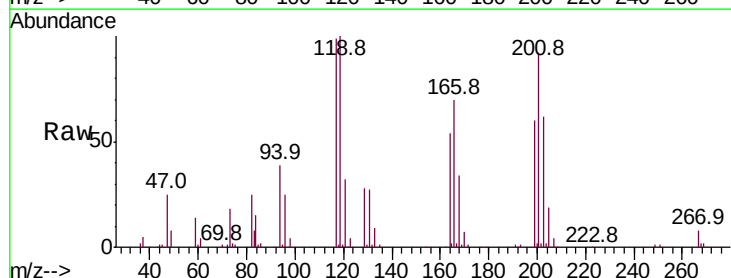
Manual Integrations
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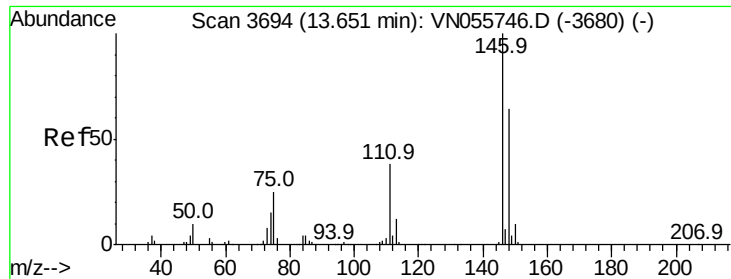
MMDadoda
6/3/2019 4:12:04 PM



#90
Hexachloroethane
Concen: 43.249 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055907.D
Acq: 31 May 2019 8:51

Tgt Ion	Ratio	Lower	Upper
117	100		
201	92.3	50.0	150.0





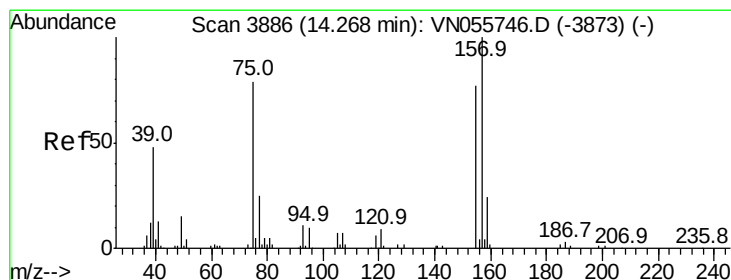
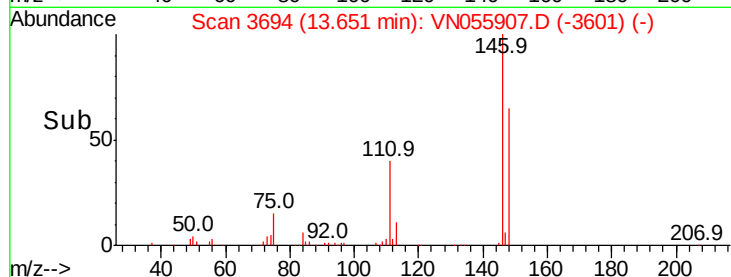
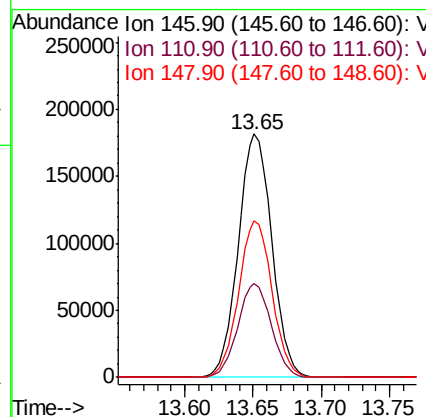
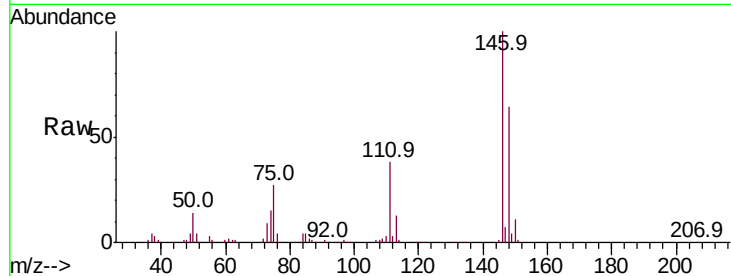
#91
 1,2-Dichlorobenzene
 Concen: 51.579 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN055907.D
 Acq: 31 May 2019 8:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100			
111	38.5	19.1	57.5	
148	63.9	31.9	95.9	

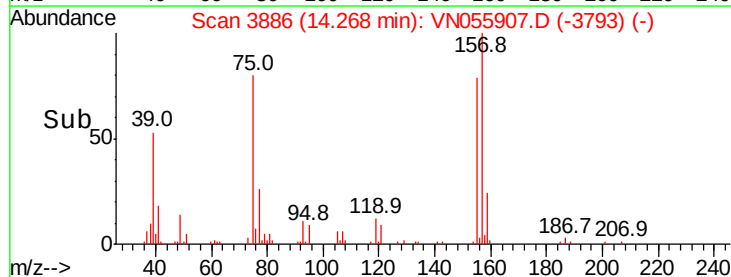
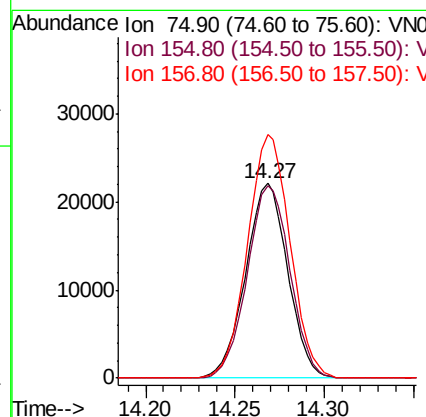
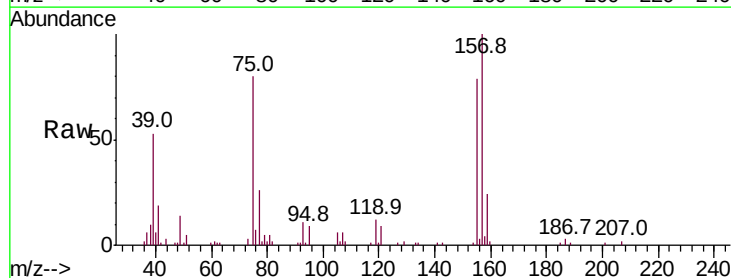
Manual Integrations
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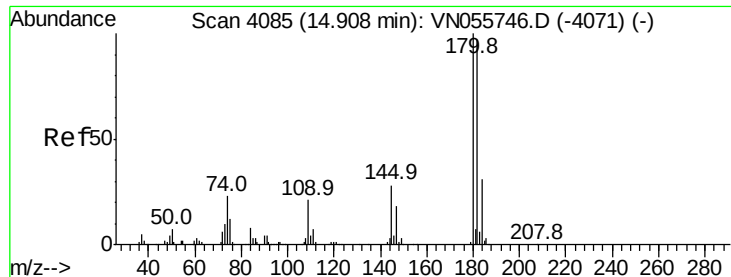
MMDadoda
 6/3/2019 4:12:04 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.284 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN055907.D
 Acq: 31 May 2019 8:51

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
155	100.4	50.0	150.1	
157	126.4	64.8	194.3	





#93

1,2,4-Trichlorobenzene

Concen: 47.364 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN055907.D

Acq: 31 May 2019 8:51

Instrument :

MSVOA_N

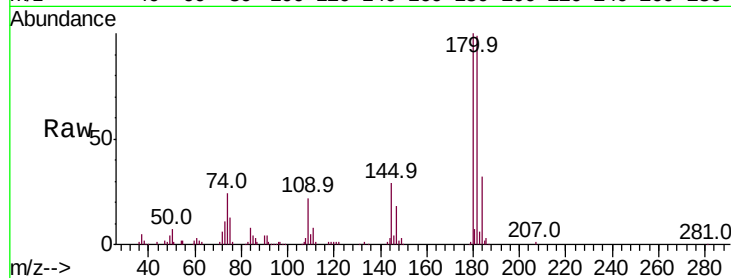
ClientSampleId :

VSTDCCC050

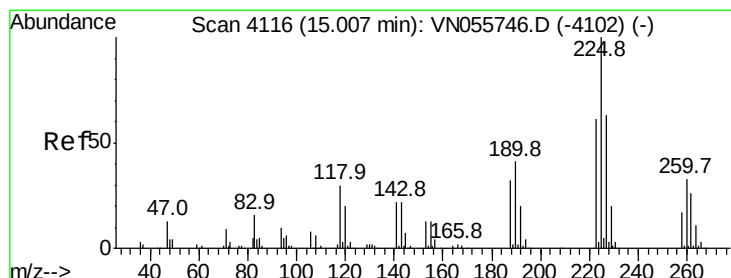
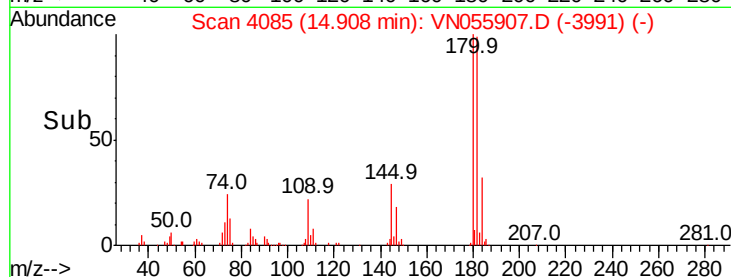
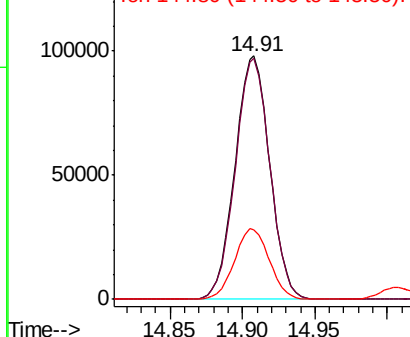
Tot Ion:	180	Resp:	163007
Ion Ratio	Lower	Upper	
180	100		
182	98.4	48.3	144.9
145	29.1	14.0	41.9

Manual Integrations
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6/3/2019 4:12:04 PM



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



#94

Hexachlorobutadiene

Concen: 52.271 ug/l

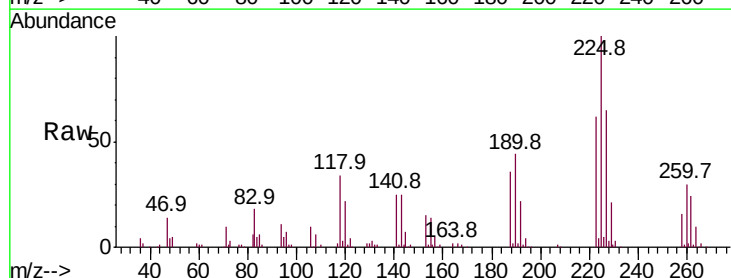
RT: 15.01 min Scan# 4116

Delta R.T. 0.00 min

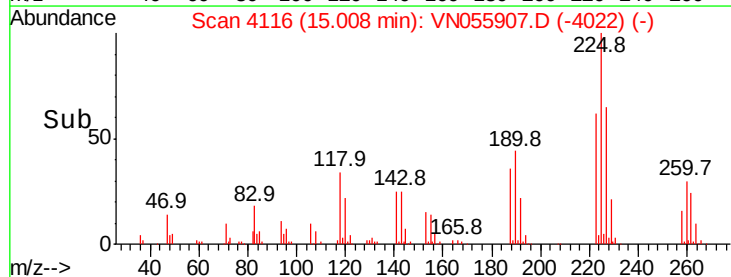
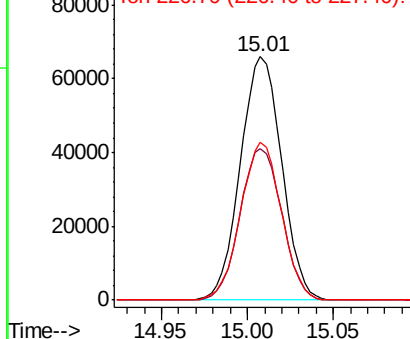
Lab File: VN055907.D

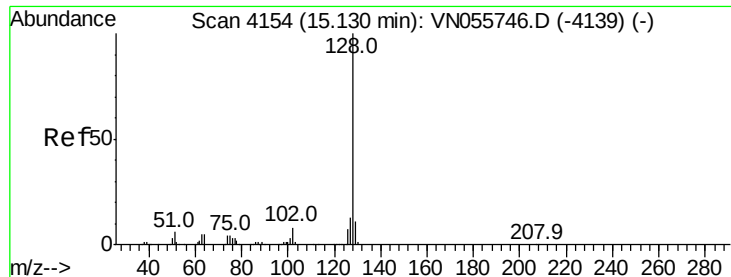
Acq: 31 May 2019 8:51

Tgt Ion:	225	Resp:	110346
Ion Ratio	Lower	Upper	
225	100		
223	62.9	30.9	92.7
227	64.0	31.6	94.7



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





#95

Naphthalene

Concen: 52.945 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN055907.D

Acq: 31 May 2019 8:51

Instrument :

MSVOA_N

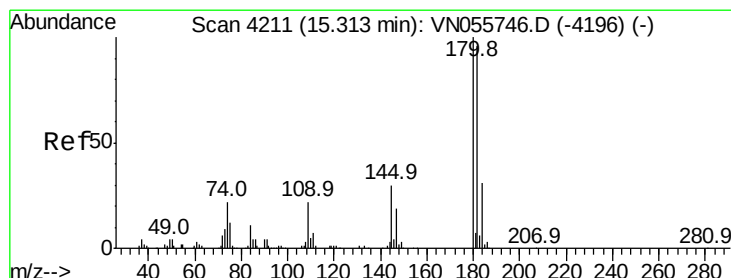
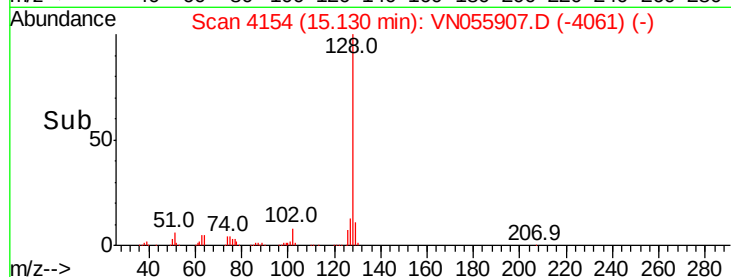
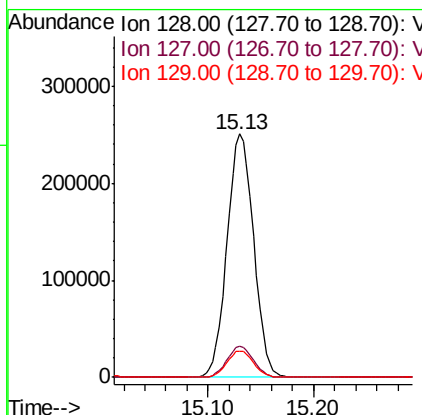
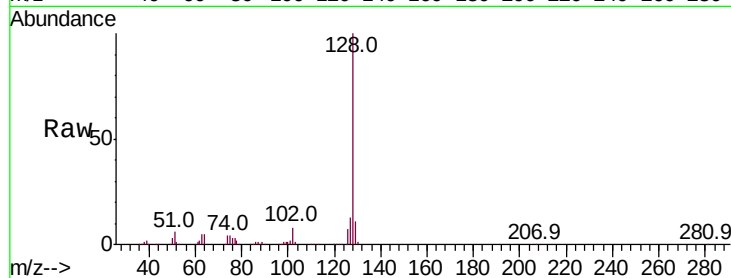
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	436494
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.3	15.5
129	10.9	8.7	13.1

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6/3/2019 4:12:04 PM



#96

1,2,3-Trichlorobenzene

Concen: 54.110 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055907.D

Acq: 31 May 2019 8:51

Tgt Ion:	180	Resp:	171846
Ion Ratio	Lower	Upper	
180	100		
182	95.2	47.9	143.7
145	30.5	14.9	44.7

