

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN053019\
 Data File : VN055891.D
 Acq On : 30 May 2019 11:18
 Operator : JC/SP
 Sample : VN0530WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0530WBS01

Manual Integrations
 APPROVED

MMDadoda
 5/31/2019 9:38:14 AM

Quant Time: May 30 19:09:53 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	301681	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	451792	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	397161	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	155696	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	167569	53.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.58%	
35) Dibromofluoromethane	7.59	113	144889	50.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.44%	
50) Toluene-d8	10.09	98	548733	50.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.16%	
62) 4-Bromofluorobenzene	12.40	95	180941	48.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	37288	18.365	ug/l	99
3) Chloromethane	2.06	50	53211	18.705	ug/l	98
4) Vinyl Chloride	2.18	62	57916	19.088	ug/l	99
5) Bromomethane	2.52	94	41592m	21.911	ug/l	
6) Chloroethane	2.68	64	37001	20.255	ug/l	97
7) Trichlorofluoromethane	3.00	101	79831	20.069	ug/l	99
8) Diethyl Ether	3.40	74	36877	20.684	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	49752	20.036	ug/l	98
10) Methyl Iodide	3.94	142	70737	19.485	ug/l	99
11) Tert butyl alcohol	4.82	59	77003m	129.358	ug/l	
12) 1,1-Dichloroethene	3.72	96	50122	19.535	ug/l	100
13) Acrolein	3.60	56	31838	74.695	ug/l	99
14) Allyl chloride	4.31	41	85888	19.527	ug/l	99
15) Acrylonitrile	4.99	53	146941	107.500	ug/l	99
16) Acetone	3.82	43	153221	111.880	ug/l	98
17) Carbon Disulfide	4.04	76	114641	15.727	ug/l	99
18) Methyl Acetate	4.33	43	67357	23.523	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	176545	20.632	ug/l	100
20) Methylene Chloride	4.54	84	60458	20.384	ug/l	98
21) trans-1,2-Dichloroethene	5.03	96	54071	19.616	ug/l	98
22) Diisopropyl ether	5.95	45	180365	21.084	ug/l	98
23) Vinyl Acetate	5.90	43	742076	101.173	ug/l	100
24) 1,1-Dichloroethane	5.84	63	100810	20.240	ug/l	99
25) 2-Butanone	6.84	43	207164	108.313	ug/l	100
26) 2,2-Dichloropropane	6.82	77	81148	18.825	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	64839	20.162	ug/l	98
28) Bromochloromethane	7.19	49	54155	22.836	ug/l	96
29) Tetrahydrofuran	7.22	42	131792	108.809	ug/l	99
30) Chloroform	7.37	83	102202	20.575	ug/l	98
31) Cyclohexane	7.65	56	92183	19.713	ug/l	# 92
32) 1,1,1-Trichloroethane	7.57	97	86260	19.460	ug/l	99
36) 1,1-Dichloropropene	7.79	75	74008	18.797	ug/l	99
37) Ethyl Acetate	6.93	43	77502	20.367	ug/l	99
38) Carbon Tetrachloride	7.77	117	72696	17.726	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	91717	18.812	ug/l	98
40) Benzene	8.04	78	237313	20.000	ug/l	100
41) Methacrylonitrile	7.17	41	33951	17.660	ug/l #	86
42) 1,2-Dichloroethane	8.12	62	79995	20.631	ug/l	100
43) Isopropyl Acetate	8.17	43	126278	19.751	ug/l #	92
44) Trichloroethene	8.83	130	64321	19.444	ug/l	97
45) 1,2-Dichloropropane	9.12	63	61861	20.010	ug/l	99
46) Dibromomethane	9.21	93	41145	20.293	ug/l	98
47) Bromodichloromethane	9.40	83	77705	18.691	ug/l	99
48) Methyl methacrylate	9.20	41	60725	20.608	ug/l	99
49) 1,4-Dioxane	9.20	88	25252	412.390	ug/l	94
51) 4-Methyl-2-Pentanone	9.99	43	387542	102.632	ug/l	100
52) Toluene	10.16	92	149460	20.027	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	79070	17.818	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	91913	18.696	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	59588	19.931	ug/l	98
56) Ethyl methacrylate	10.43	69	90435	19.573	ug/l	97
57) 1,3-Dichloropropane	10.71	76	98805	20.332	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	168999	95.709	ug/l	99
59) 2-Hexanone	10.75	43	272344	101.668	ug/l	99
60) Dibromochloromethane	10.90	129	60714	17.432	ug/l	98
61) 1,2-Dibromoethane	11.00	107	62022	20.000	ug/l	98
64) Tetrachloroethene	10.63	164	64725	19.322	ug/l	97
65) Chlorobenzene	11.43	112	157068	19.755	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	58476	18.441	ug/l	98
67) Ethyl Benzene	11.51	91	280453	19.670	ug/l	99
68) m/p-Xylenes	11.62	106	211760	39.286	ug/l	100
69) o-Xylene	11.95	106	105972	19.816	ug/l	99
70) Styrene	11.96	104	168796	19.491	ug/l	100
71) Bromoform	12.13	173	42132	15.577	ug/l #	100
73) Isopropylbenzene	12.25	105	277616	23.661	ug/l	100
74) N-amyl acetate	12.07	43	96692	21.642	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	81272	22.988	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	68045m	23.726	ug/l	
77) Bromobenzene	12.53	156	69082	20.793	ug/l	97
78) n-propylbenzene	12.59	91	288964	21.354	ug/l	100
79) 2-Chlorotoluene	12.67	91	179488	23.261	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	224151	22.644	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	21181	18.304	ug/l	90
82) 4-Chlorotoluene	12.77	91	166628	20.948	ug/l	99
83) tert-Butylbenzene	12.99	119	201265	23.364	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	220639	22.415	ug/l	100
85) sec-Butylbenzene	13.17	105	255821	23.139	ug/l	99
86) p-Isopropyltoluene	13.29	119	227577	21.048	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	107283	20.393	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	100181	20.029	ug/l	98
89) n-Butylbenzene	13.61	91	165061	19.924	ug/l	100
90) Hexachloroethane	13.87	117	36893	17.926	ug/l	91
91) 1,2-Dichlorobenzene	13.65	146	108790	20.727	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	13162	19.079	ug/l	96

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ClientSampleId :
VN0530WBS01

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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)
93) 1,2,4-Trichlorobenzene	14.91	180	45361	17.565	ug/l	100
94) Hexachlorobutadiene	15.01	225	38462	19.716	ug/l	98
95) Naphthalene	15.13	128	133711	18.565	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	51648	18.615	ug/l	100

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

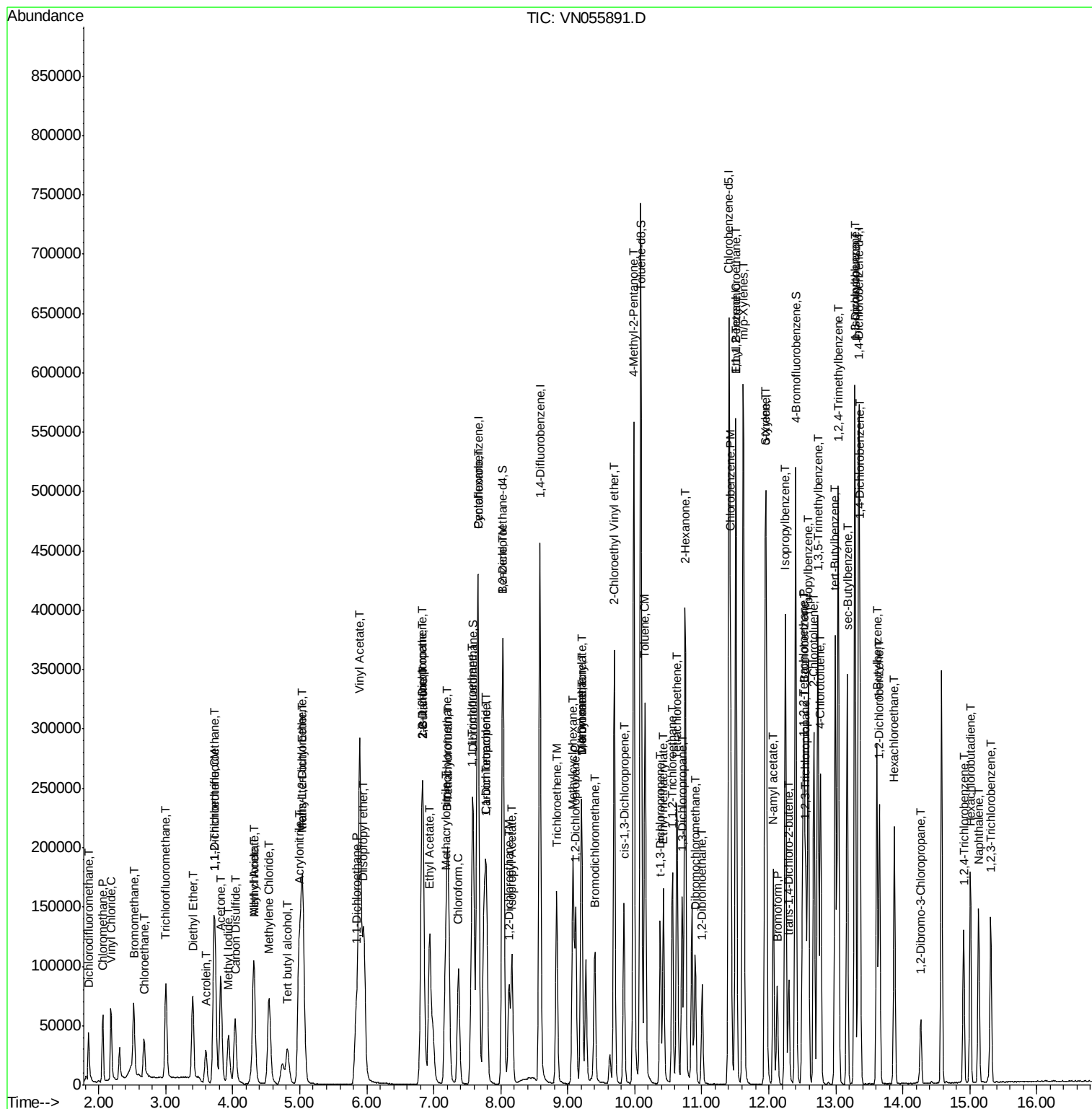
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 Data File : VN055891.D
 Acq On : 30 May 2019 11:18
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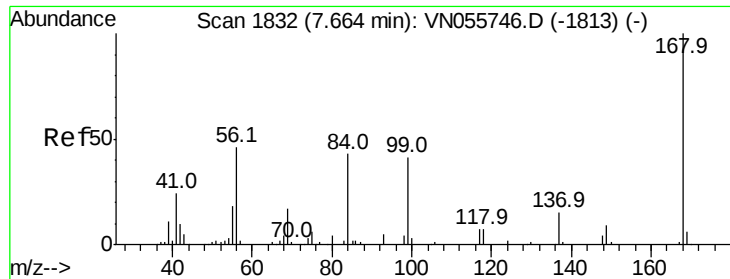
Instrument :
 MSVOA_N
 Client Sample Id :
 VN0530WBS01

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN055891.D

Acq: 30 May 2019 11:18

Instrument :

MSVOA_N

ClientSampleId :

VN0530WBS01

Tot Ion:168 Resp: 301681

Ion Ratio Lower Upper

168 100

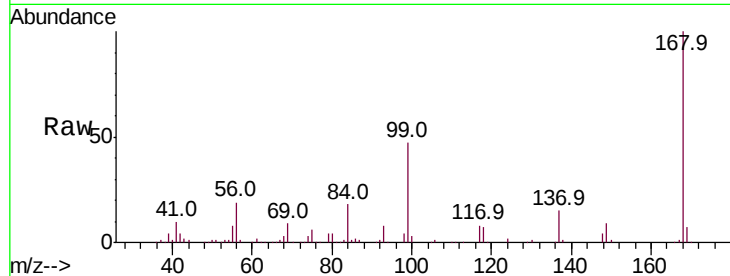
99 46.0 37.2 55.8

Manual Integrations

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

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

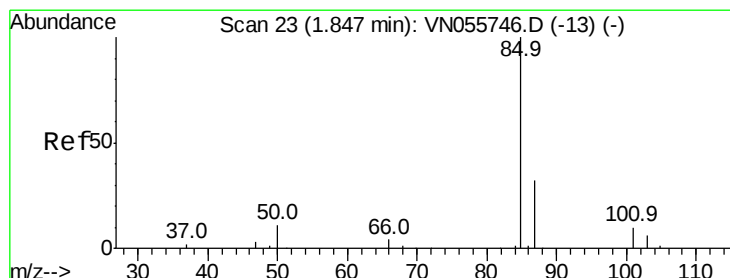
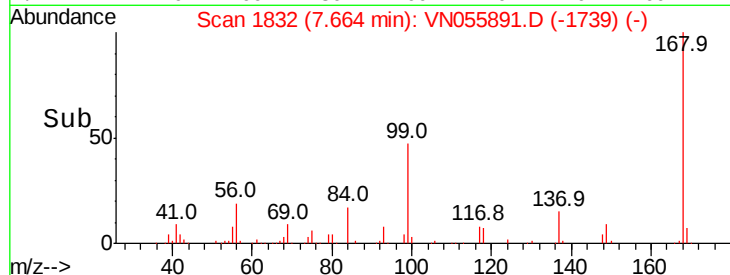
7.66

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 18.365 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN055891.D

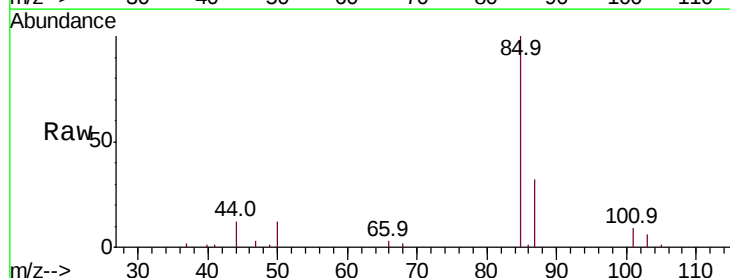
Acq: 30 May 2019 11:18

Tgt Ion: 85 Resp: 37288

Ion Ratio Lower Upper

85 100

87 32.5 16.1 48.3



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

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

1.85

25000

20000

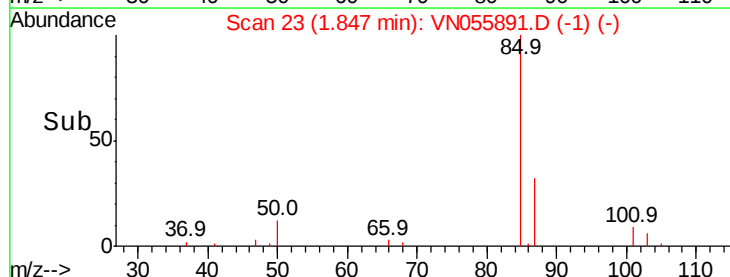
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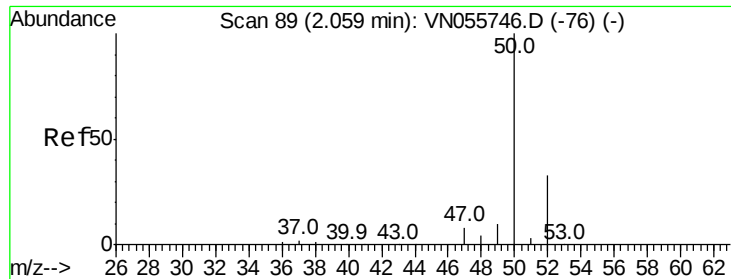
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Time-->





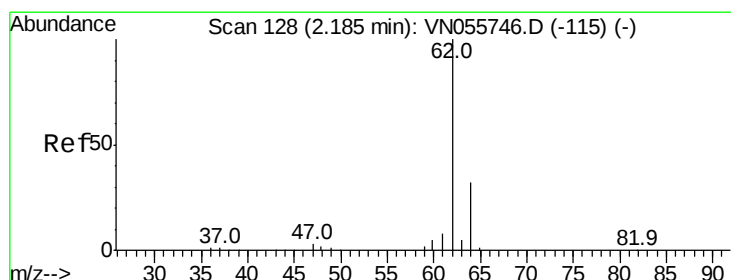
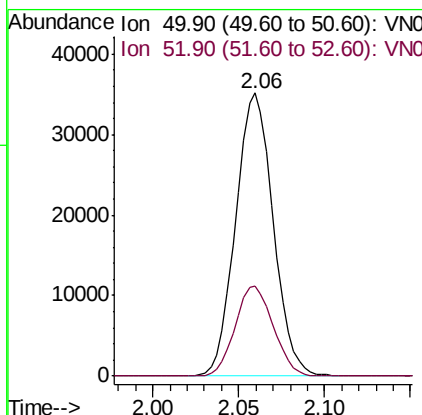
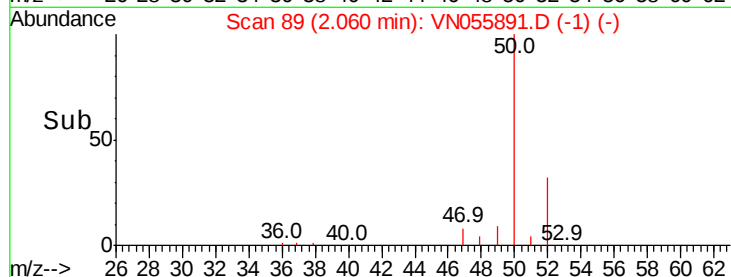
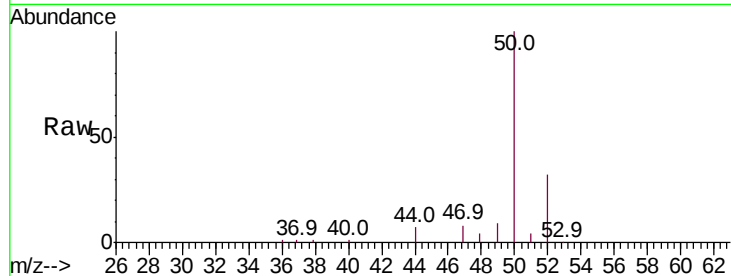
#3
Chloromethane
Concen: 18.705 ug/l
RT: 2.06 min Scan# 89
Delta R.T. 0.00 min
Lab File: VN055891.D
Acq: 30 May 2019 11:18

Instrument :
MSVOA_N
ClientSampleId :
VN0530WBS01

Tot Ion	Ratio	Lower	Upper
50	100		
52	32.0	26.6	40.0

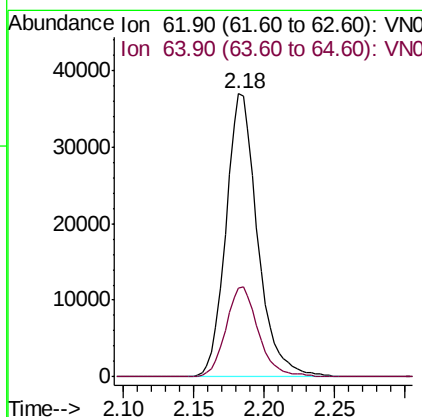
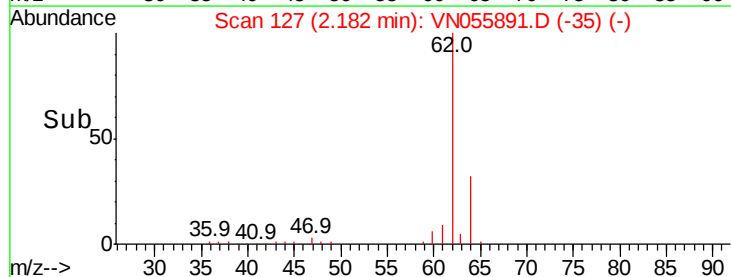
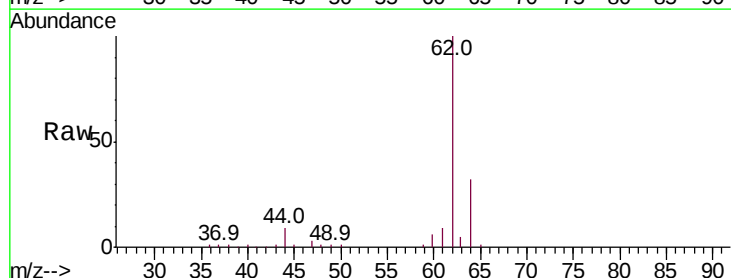
Manual Integrations
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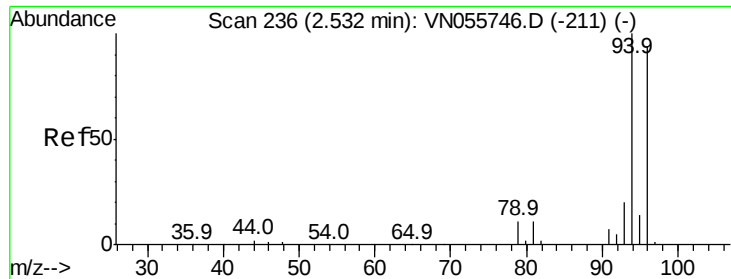
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#4
Vinyl Chloride
Concen: 19.088 ug/l
RT: 2.18 min Scan# 127
Delta R.T. -0.00 min
Lab File: VN055891.D
Acq: 30 May 2019 11:18

Tgt Ion	Ratio	Lower	Upper
62	100		
64	31.6	25.6	38.4





#5

Bromomethane

Concen: 21.911 ug/l m

RT: 2.52 min Scan# 233

Delta R.T. -0.01 min

Lab File: VN055891.D

Acq: 30 May 2019 11:18

Instrument :

MSVOA_N

ClientSampleId :

VN0530WBS01

Tot Ion: 94 Resp: 41592

Ion Ratio Lower Upper

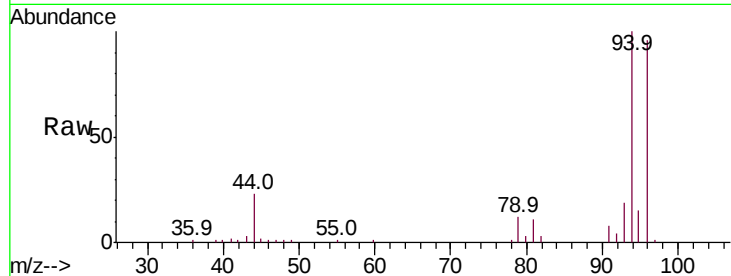
94 100

96 95.6 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

25000

20000

15000

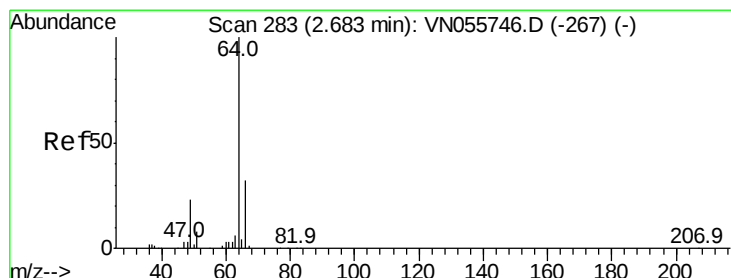
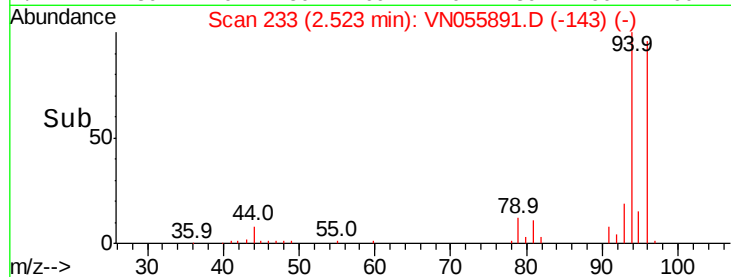
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5000

0

Time-->

2.45 2.50 2.52 2.55 2.60 2.65



#6

Chloroethane

Concen: 20.255 ug/l

RT: 2.68 min Scan# 281

Delta R.T. -0.01 min

Lab File: VN055891.D

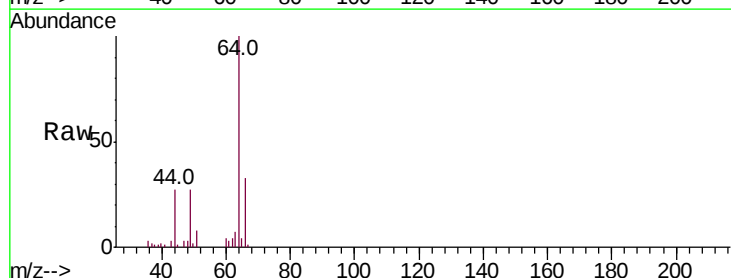
Acq: 30 May 2019 11:18

Tgt Ion: 64 Resp: 37001

Ion Ratio Lower Upper

64 100

66 33.1 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

15000

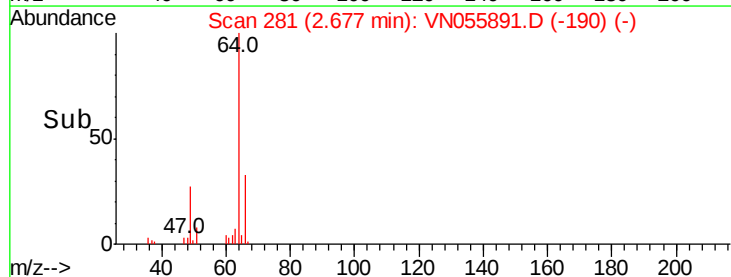
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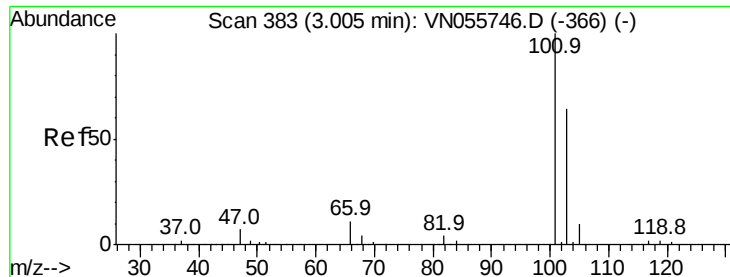
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0

Time-->

2.60 2.68 2.70 2.80





#7

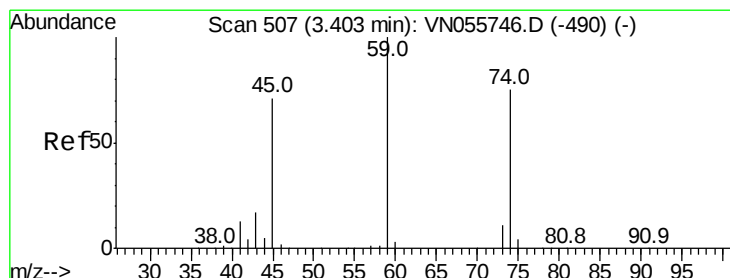
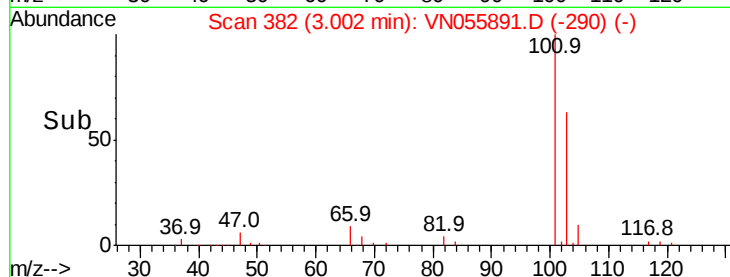
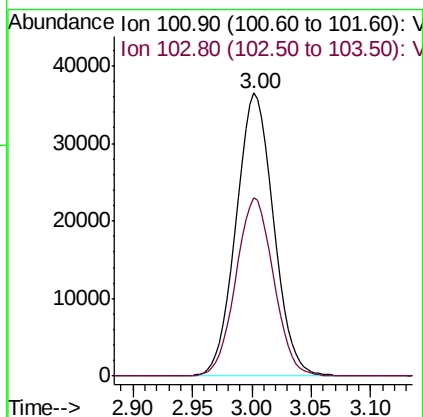
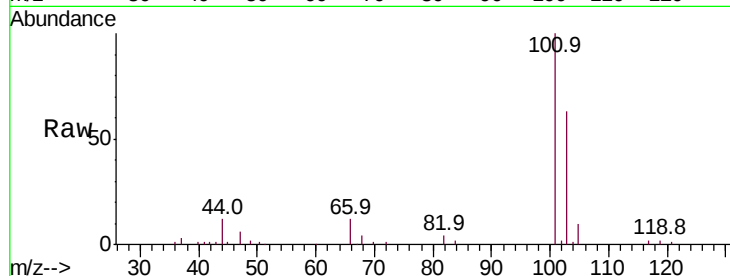
Trichlorofluoromethane
Concen: 20.069 ug/l
RT: 3.00 min Scan# 382
Delta R.T. -0.00 min
Lab File: VN055891.D
Acq: 30 May 2019 11:18

Instrument :
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ClientSampleId :
VN0530WBS01

Tot Ion:101 Resp: 79831
Ion Ratio Lower Upper
101 100
103 63.1 51.2 76.8

Manual Integrations
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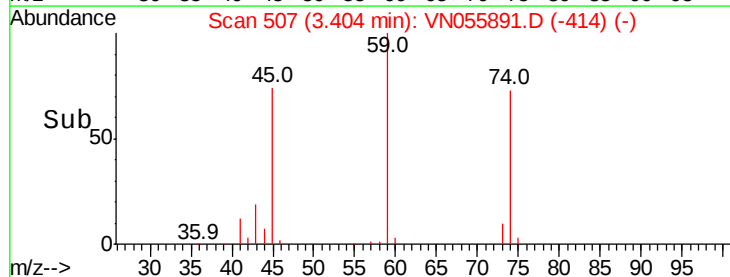
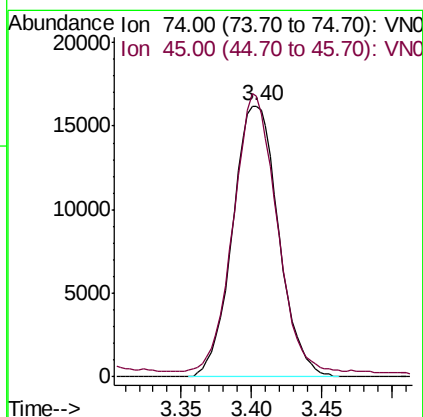
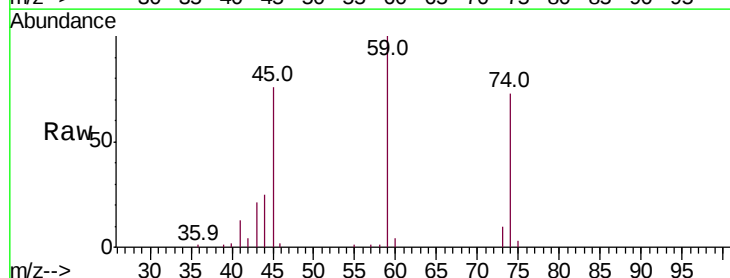
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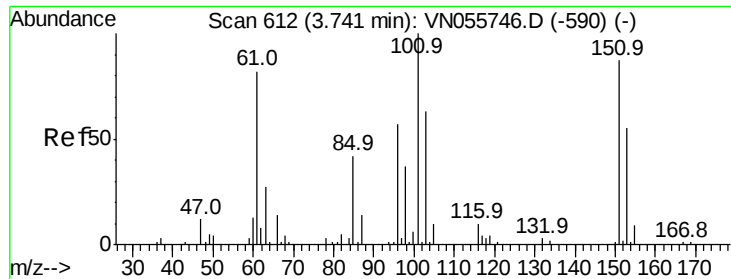


#8

Diethyl Ether
Concen: 20.684 ug/l
RT: 3.40 min Scan# 507
Delta R.T. 0.00 min
Lab File: VN055891.D
Acq: 30 May 2019 11:18

Tgt Ion: 74 Resp: 36877
Ion Ratio Lower Upper
74 100
45 97.5 48.6 145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.036 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.00 min

Lab File: VN055891.D

Acq: 30 May 2019 11:18

Instrument :

MSVOA_N

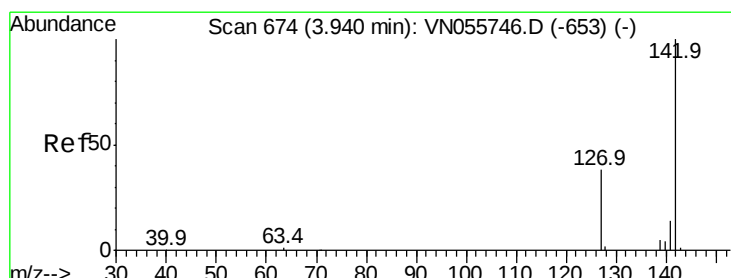
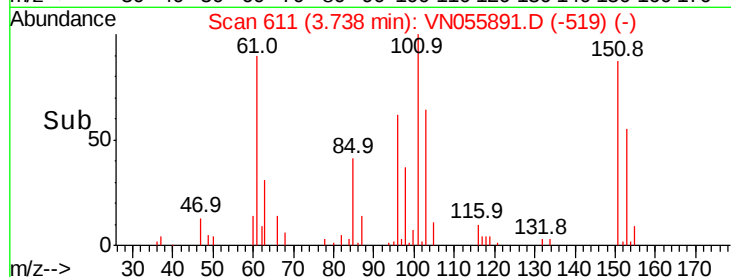
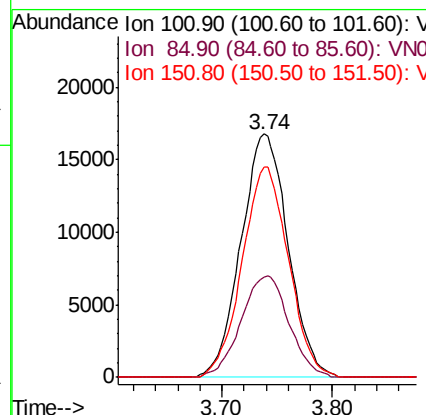
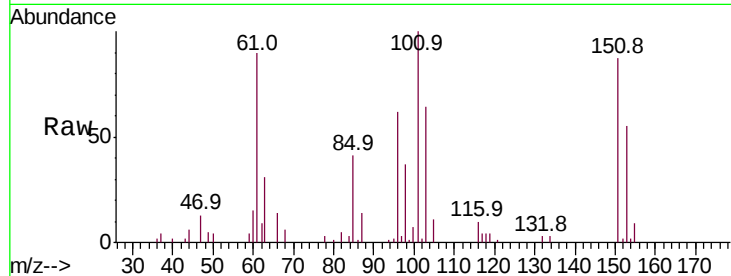
ClientSampled :

VN0530WBS01

Tot Ion:	101	Resp:	49752
Ion Ratio	Lower	Upper	
101	100		
85	42.4	33.4	50.2
151	85.0	69.4	104.2

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#10

Methyl Iodide

Concen: 19.485 ug/l

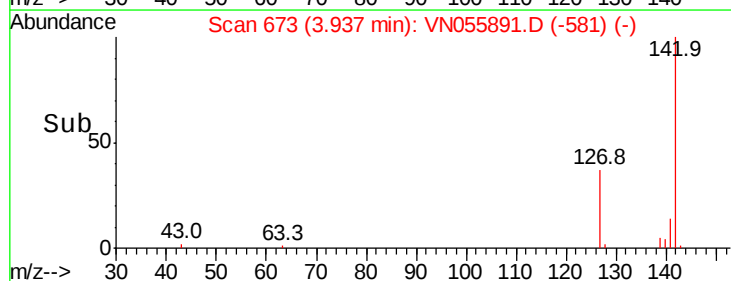
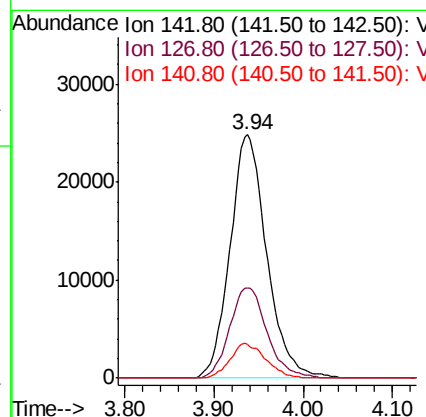
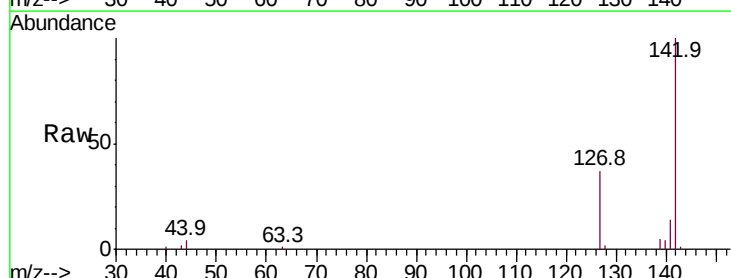
RT: 3.94 min Scan# 673

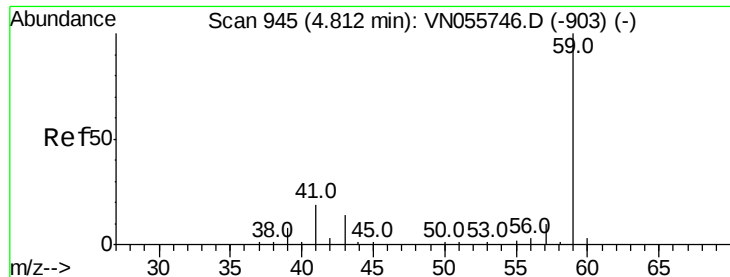
Delta R.T. -0.00 min

Lab File: VN055891.D

Acq: 30 May 2019 11:18

Tgt Ion:	142	Resp:	70737
Ion Ratio	Lower	Upper	
142	100		
127	37.9	31.0	46.4
141	13.8	11.4	17.0





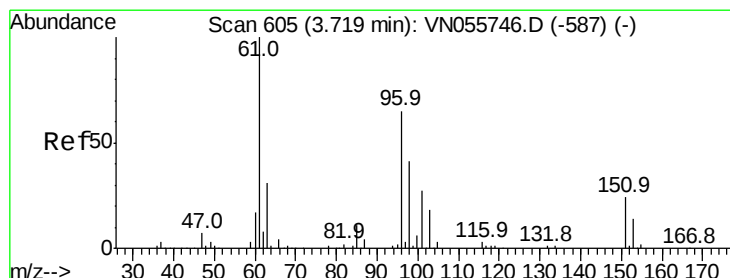
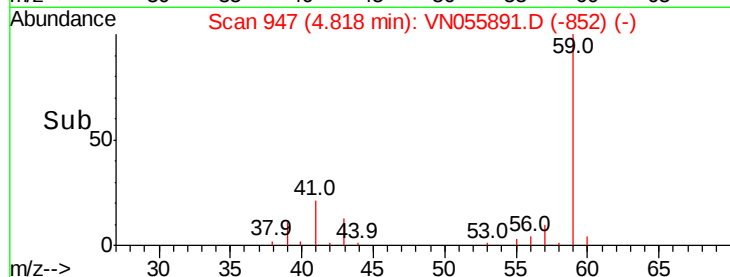
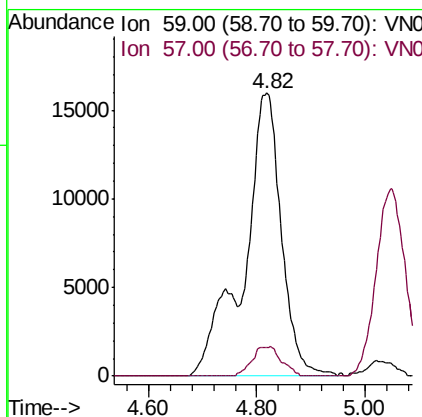
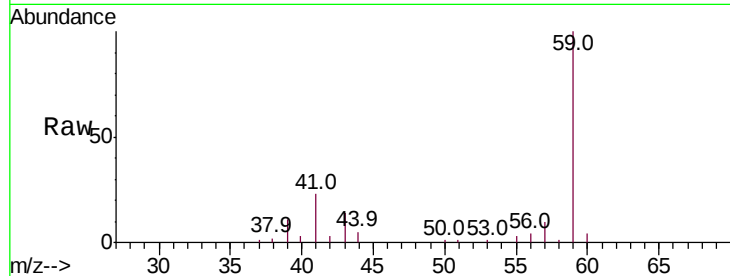
#11
Tert butyl alcohol
Concen: 129.358 ug/l m
RT: 4.82 min Scan# 947
Delta R.T. 0.01 min
Lab File: VN055891.D
Acq: 30 May 2019 11:18

Instrument :
MSVOA_N
ClientSampleId :
VN0530WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	8.1	7.8	11.6

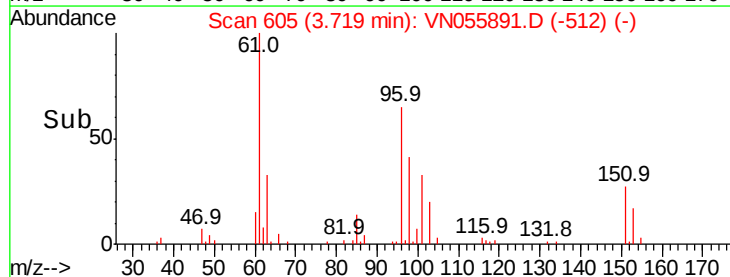
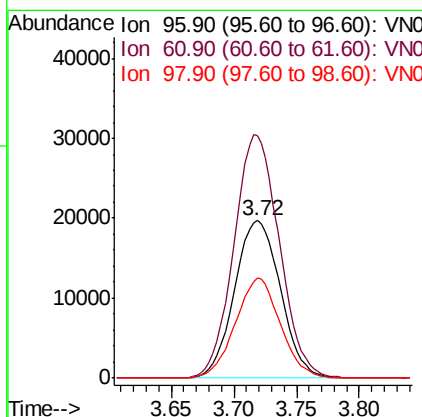
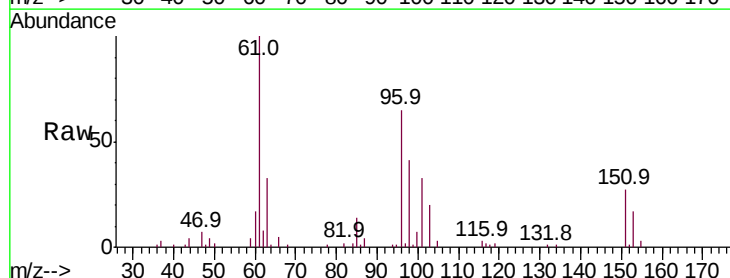
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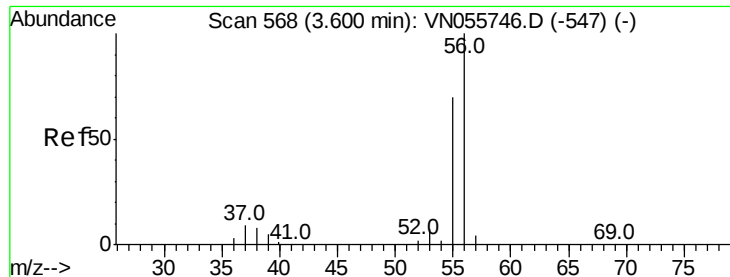
MMDadoda
5/31/2019 9:38:14 AM



#12
1,1-Dichloroethene
Concen: 19.535 ug/l
RT: 3.72 min Scan# 605
Delta R.T. 0.00 min
Lab File: VN055891.D
Acq: 30 May 2019 11:18

Tgt Ion	Ratio	Lower	Upper
96	100		
61	154.1	123.2	184.8
98	63.9	50.4	75.6





#13

Acrolein

Concen: 74.695 ug/l

RT: 3.60 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN055891.D

Acq: 30 May 2019 11:18

Instrument :

MSVOA_N

ClientSampled :

VN0530WBS01

Tot Ion: 56 Resp: 31838

Ion Ratio Lower Upper

56 100

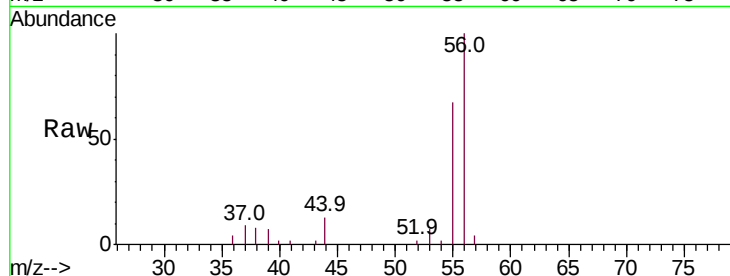
55 70.3 55.4 83.2

Manual Integrations

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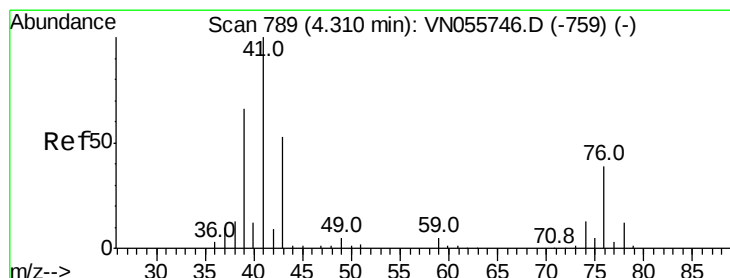
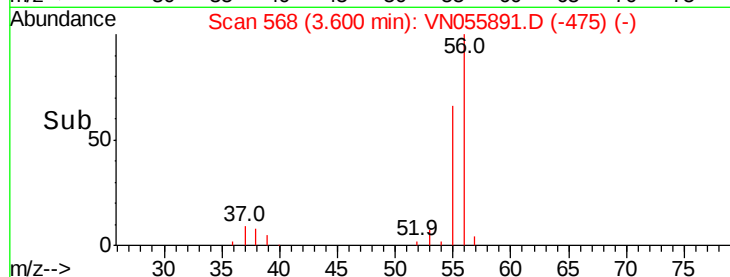
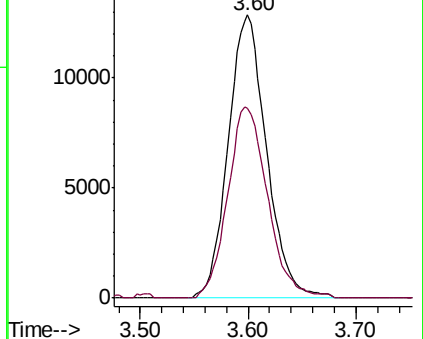
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Abundance Ion 56.00 (55.70 to 56.70): VN055891.D (-547) (-)

Ion 55.00 (54.70 to 55.70): VN055891.D (-547) (-)



#14

Allyl chloride

Concen: 19.527 ug/l

RT: 4.31 min Scan# 789

Delta R.T. 0.00 min

Lab File: VN055891.D

Acq: 30 May 2019 11:18

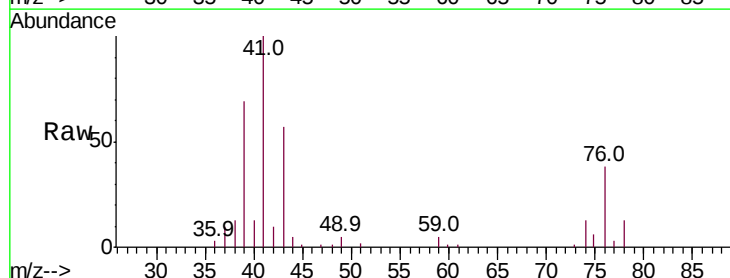
Tgt Ion: 41 Resp: 85888

Ion Ratio Lower Upper

41 100

39 63.5 50.0 75.0

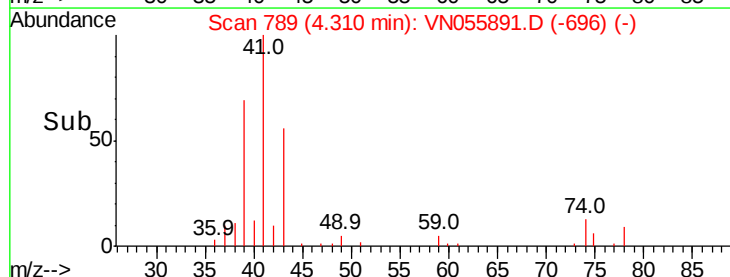
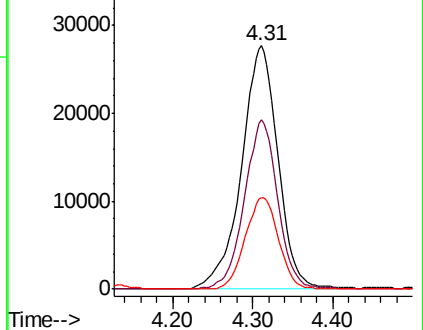
76 34.2 28.2 42.2



Abundance Ion 41.00 (40.70 to 41.70): VN055891.D (-696) (-)

Ion 39.00 (38.70 to 39.70): VN055891.D (-696) (-)

Ion 75.90 (75.60 to 76.60): VN055891.D (-696) (-)





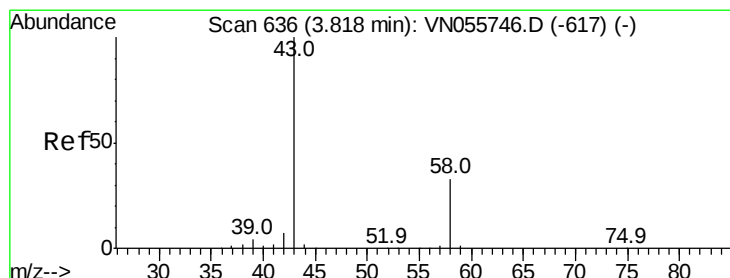
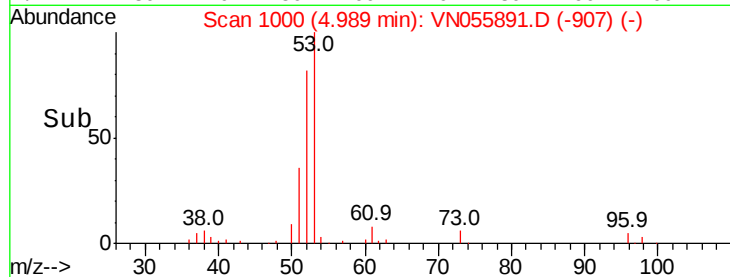
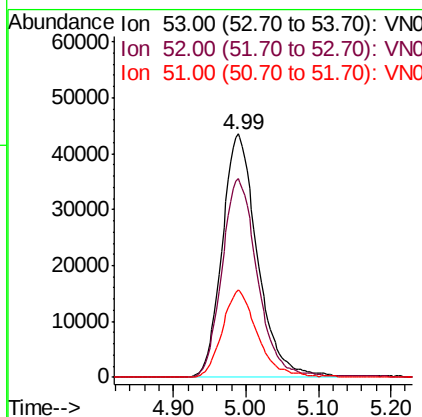
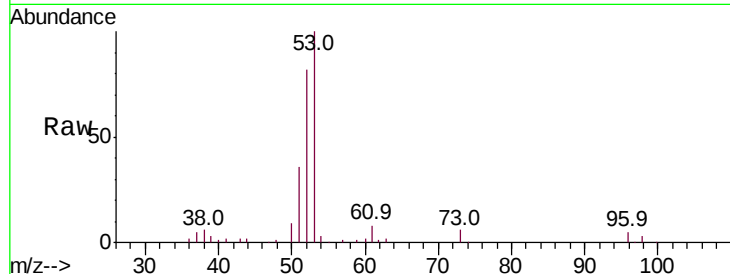
#15
 Acrylonitrile
 Concen: 107.500 ug/l
 RT: 4.99 min Scan# 1000
 Delta R.T. 0.00 min
 Lab File: VN055891.D
 Acq: 30 May 2019 11:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0530WBS01

Tot Ion	Ratio	Lower	Upper
53	100		
52	81.4	65.8	98.8
51	35.7	28.2	42.4

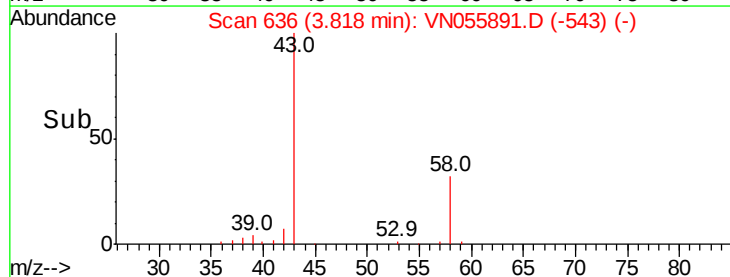
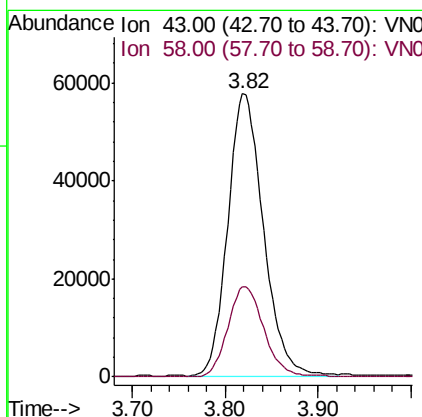
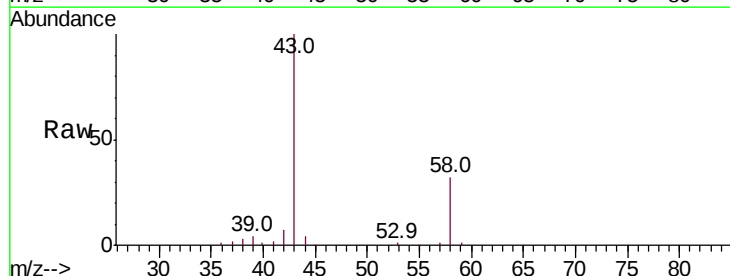
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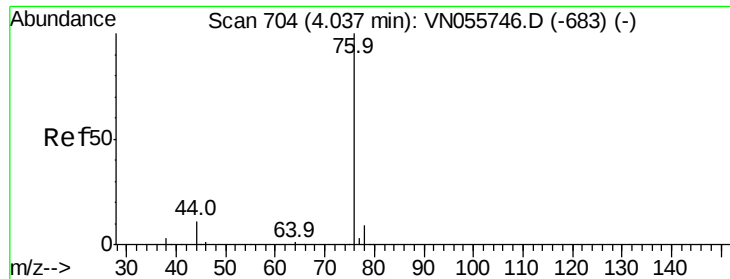
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#16
 Acetone
 Concen: 111.880 ug/l
 RT: 3.82 min Scan# 636
 Delta R.T. 0.00 min
 Lab File: VN055891.D
 Acq: 30 May 2019 11:18

Tgt Ion	Ratio	Lower	Upper
43	100		
58	32.1	26.6	39.8





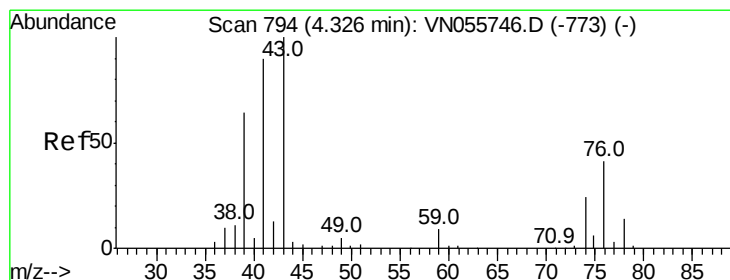
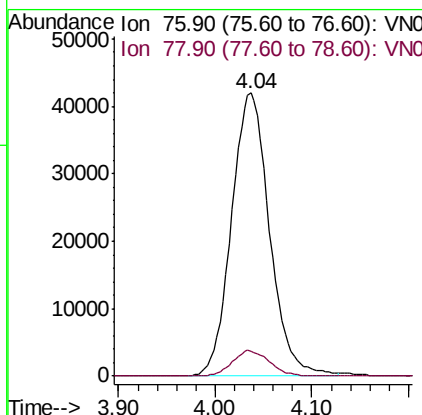
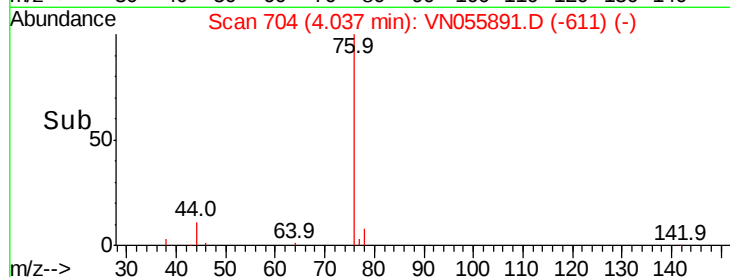
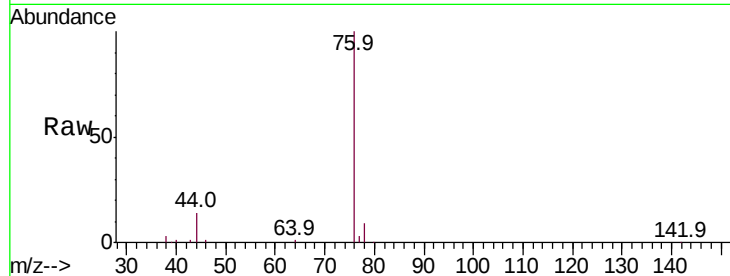
#17
Carbon Disulfide
Concen: 15.727 ug/l
RT: 4.04 min Scan# 704
Delta R.T. 0.00 min
Lab File: VN055891.D
Acq: 30 May 2019 11:18

Instrument :
MSVOA_N
ClientSampleId :
VN0530WBS01

Tot Ion: 76 Resp: 114641
Ion Ratio Lower Upper
76 100
78 8.9 7.4 11.2

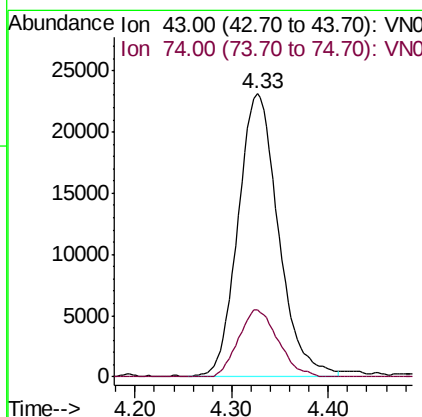
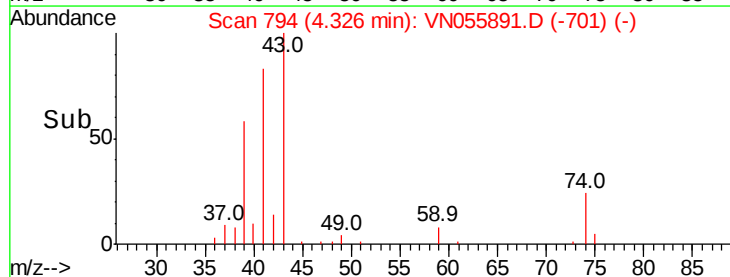
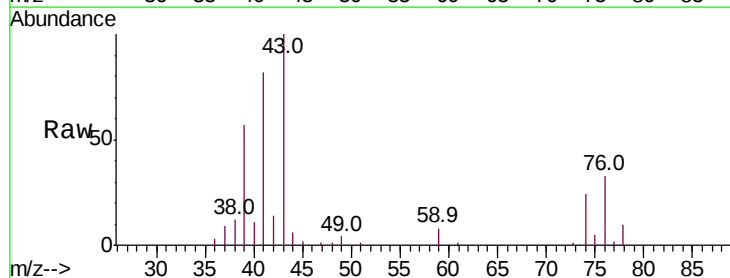
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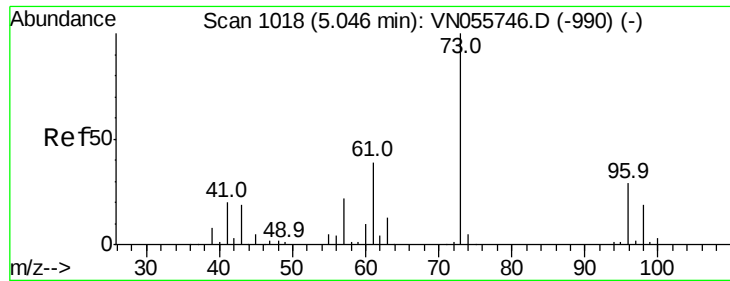
MMDadoda
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#18
Methyl Acetate
Concen: 23.523 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN055891.D
Acq: 30 May 2019 11:18

Tgt Ion: 43 Resp: 67357
Ion Ratio Lower Upper
43 100
74 23.2 19.3 28.9





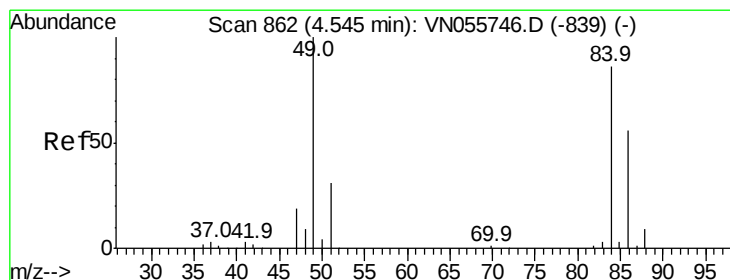
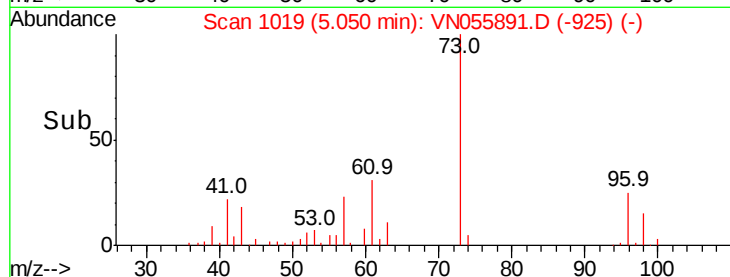
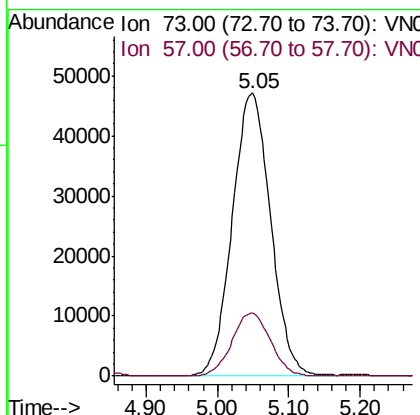
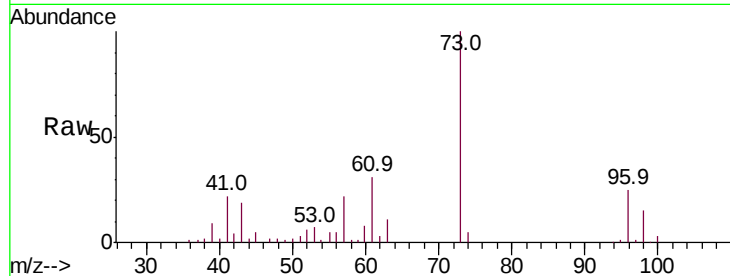
#19
Methvl tert-butvl Ether
Concen: 20.632 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN055891.D
Acq: 30 May 2019 11:18

Instrument :
MSVOA_N
ClientSampleId :
VN0530WBS01

Tot Ion: 73 Resp: 176545
Ion Ratio Lower Upper
73 100
57 22.5 17.8 26.8

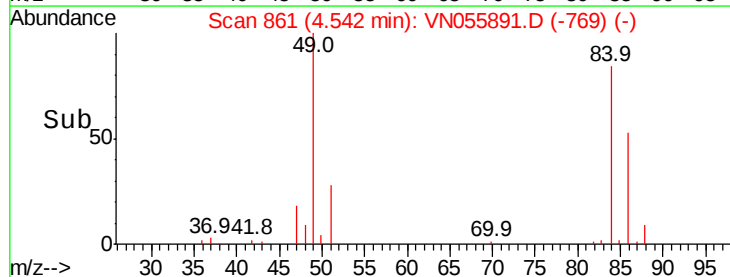
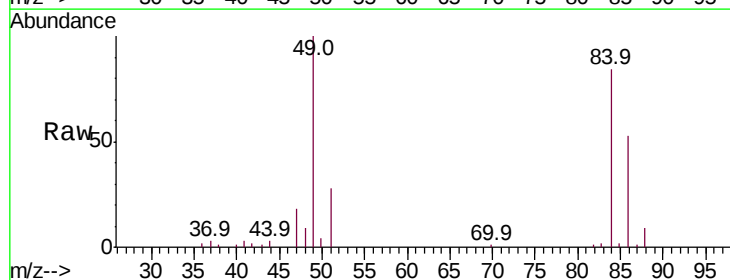
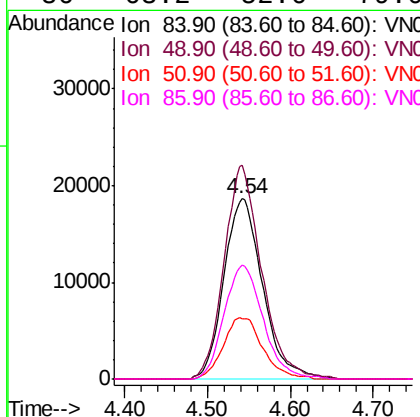
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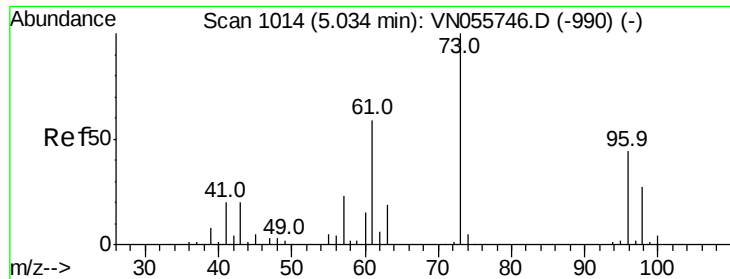
MMDadoda
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#20
Methylene Chloride
Concen: 20.384 ug/l
RT: 4.54 min Scan# 861
Delta R.T. -0.00 min
Lab File: VN055891.D
Acq: 30 May 2019 11:18

Tgt Ion: 84 Resp: 60458
Ion Ratio Lower Upper
84 100
49 118.6 93.5 140.3
51 33.6 28.6 43.0
86 63.2 52.6 79.0





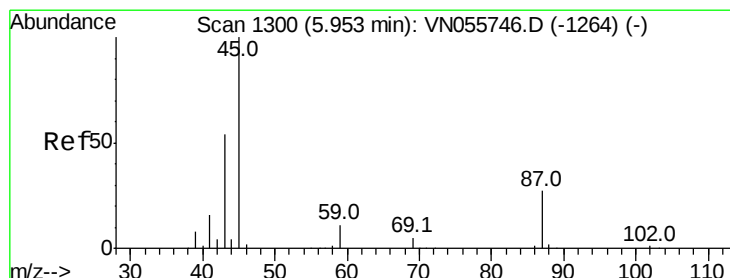
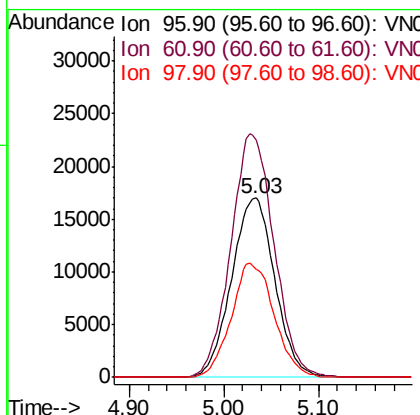
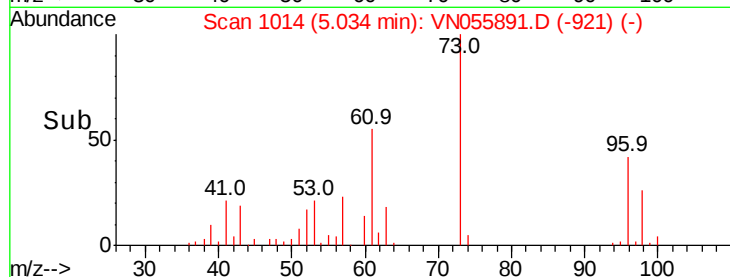
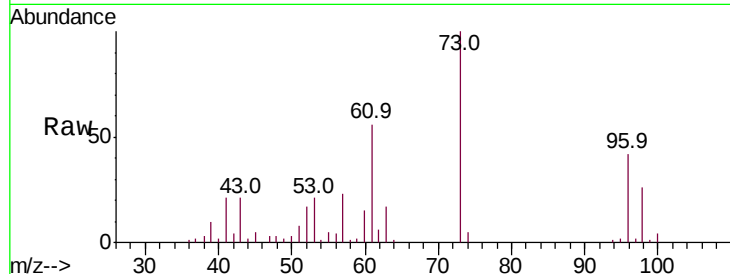
#21
trans-1,2-Dichloroethene
Concen: 19.616 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. 0.00 min
Lab File: VN055891.D
Acq: 30 May 2019 11:18

Instrument :
MSVOA_N
ClientSampleId :
VN0530WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	132.3	107.8	161.8
98	60.6	49.8	74.8

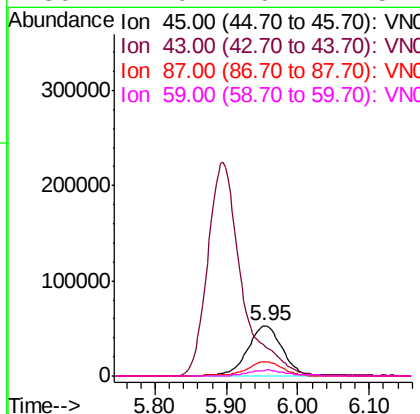
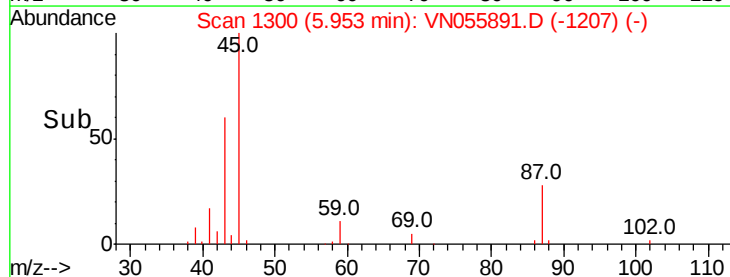
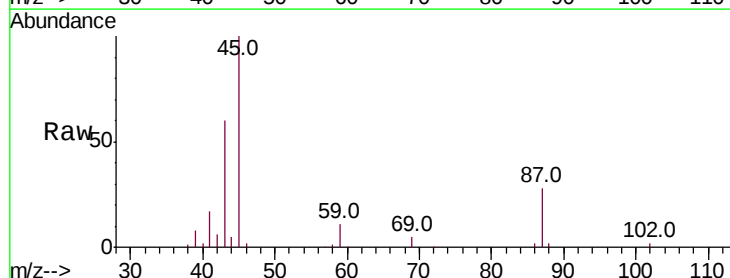
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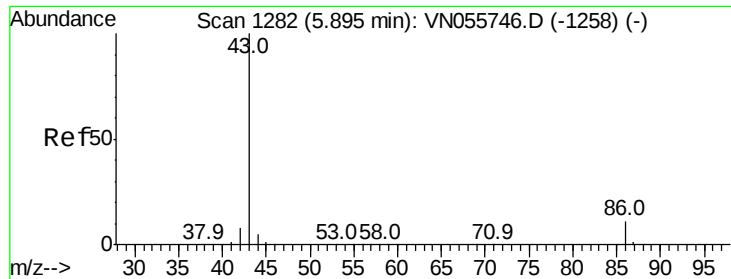
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#22
Diisopropyl ether
Concen: 21.084 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN055891.D
Acq: 30 May 2019 11:18

Tgt Ion	Ratio	Lower	Upper
45	100		
43	58.0	45.0	67.6
87	27.4	22.2	33.4
59	11.0	9.1	13.7





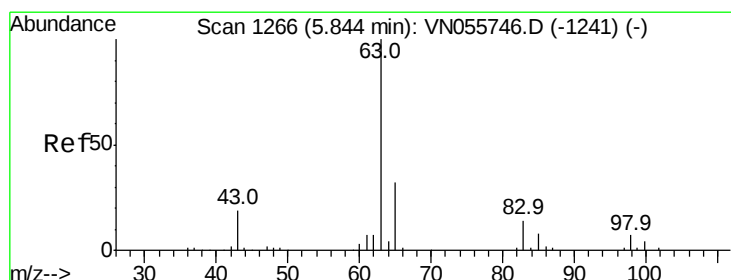
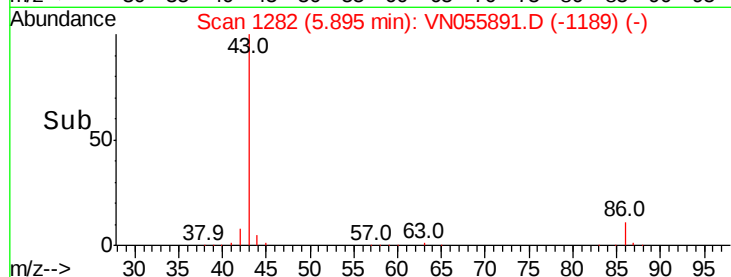
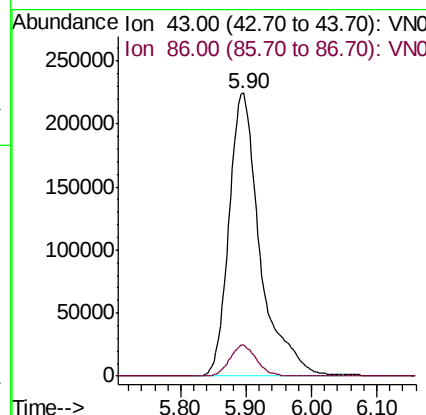
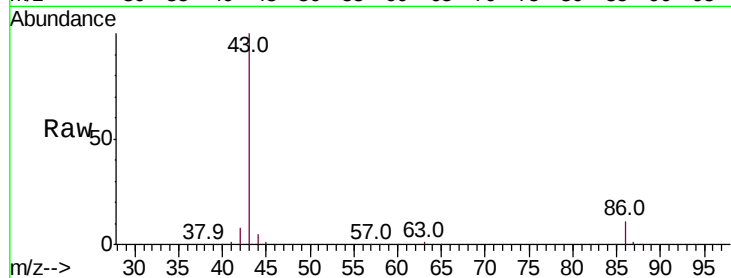
#23
 Vinyl Acetate
 Concen: 101.173 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN055891.D
 Acq: 30 May 2019 11:18

Instrument :
 MSVOA_N
 ClientSampled :
 VN0530WBS01

Tot Ion	43	86	Ratio	Lower	Upper
43	100				
86	10.9		8.6	13.0	

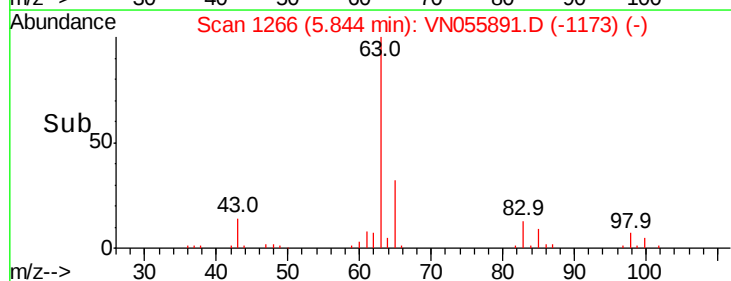
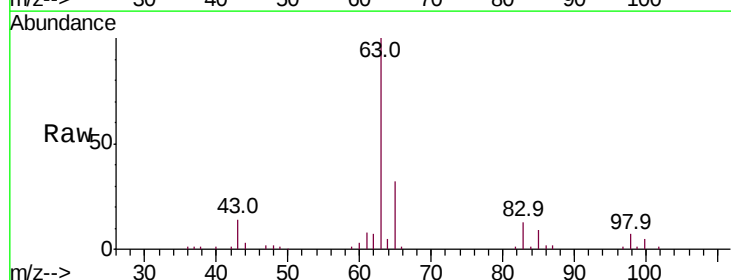
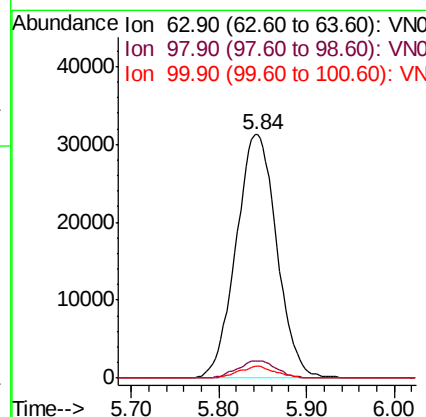
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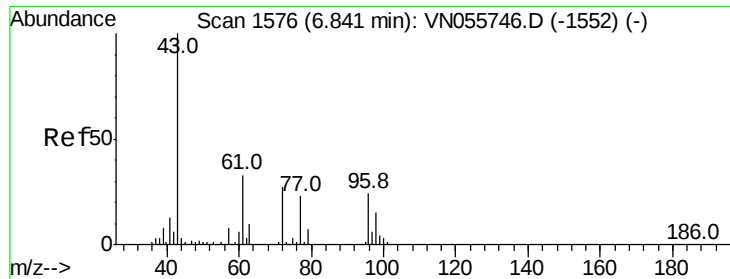
MMDadoda
 5/31/2019 9:38:14 AM



#24
 1,1-Dichloroethane
 Concen: 20.240 ug/l
 RT: 5.84 min Scan# 1266
 Delta R.T. 0.00 min
 Lab File: VN055891.D
 Acq: 30 May 2019 11:18

Tgt Ion	63	98	100	Ratio	Lower	Upper
63	100					
98	7.0			3.4	10.1	
100	5.0			2.2	6.6	





#25

2-Butanone

Concen: 108.313 ug/l

RT: 6.84 min Scan# 1577

Delta R.T. 0.00 min

Lab File: VN055891.D

Acq: 30 May 2019 11:18

Instrument :

MSVOA_N

ClientSampleId :

VN0530WBS01

Tot Ion: 43 Resp: 207164

Ion Ratio Lower Upper

43 100

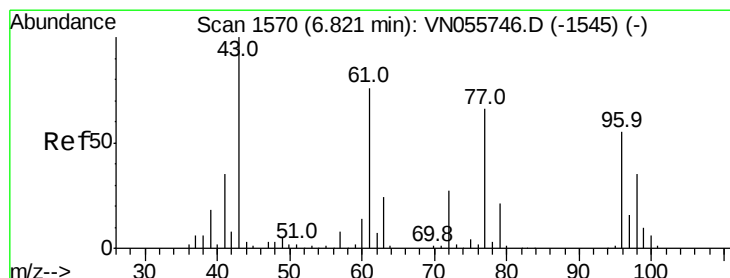
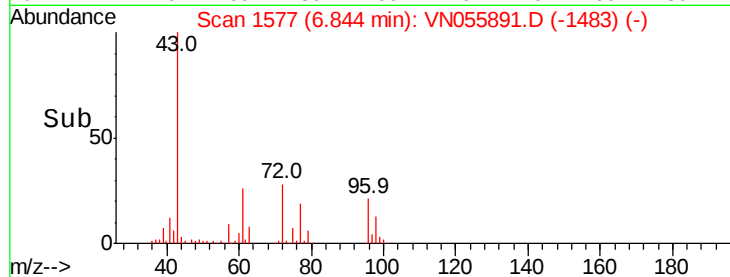
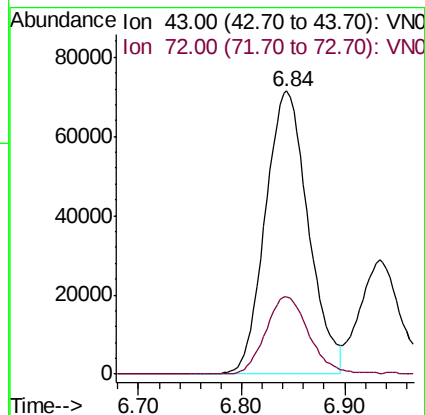
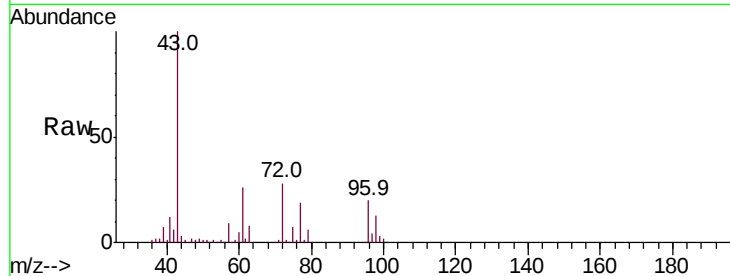
72 27.5 21.9 32.9

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 18.825 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. -0.00 min

Lab File: VN055891.D

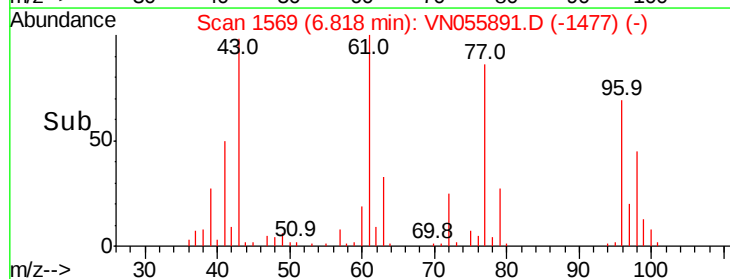
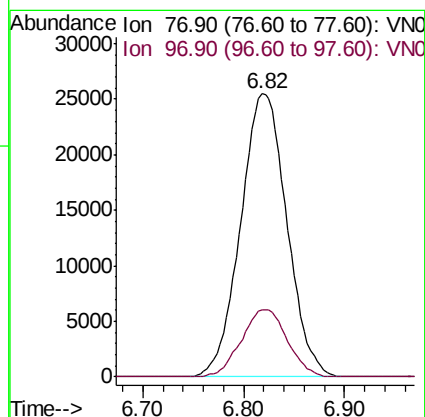
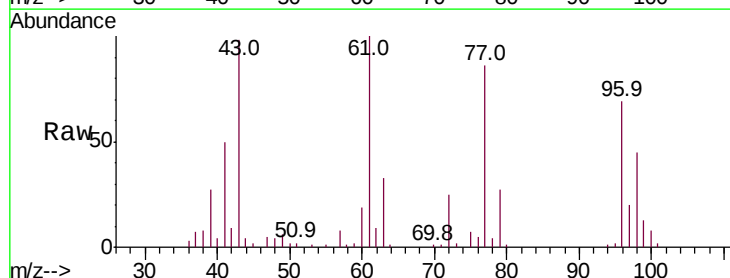
Acq: 30 May 2019 11:18

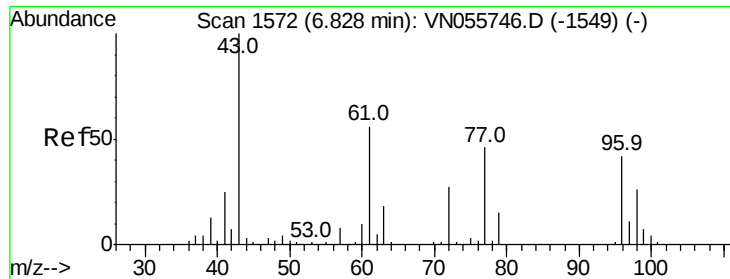
Tgt Ion: 77 Resp: 81148

Ion Ratio Lower Upper

77 100

97 23.5 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 20.162 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN055891.D

Acq: 30 May 2019 11:18

Instrument :

MSVOA_N

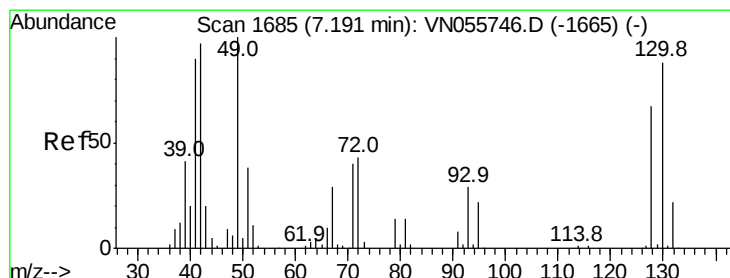
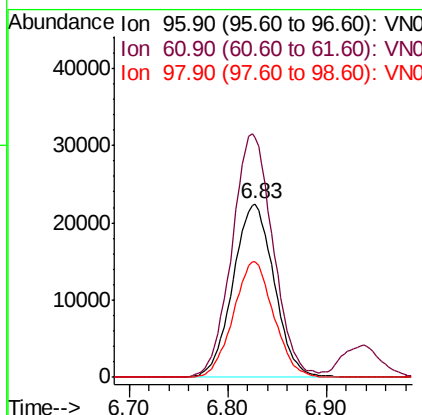
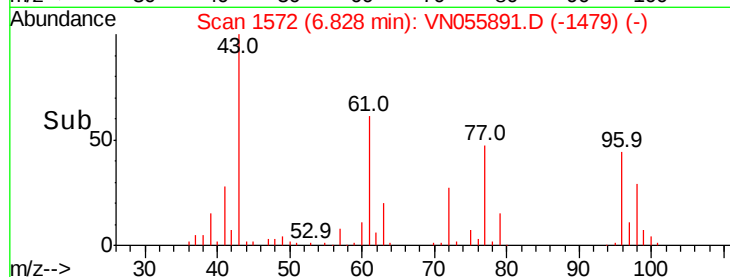
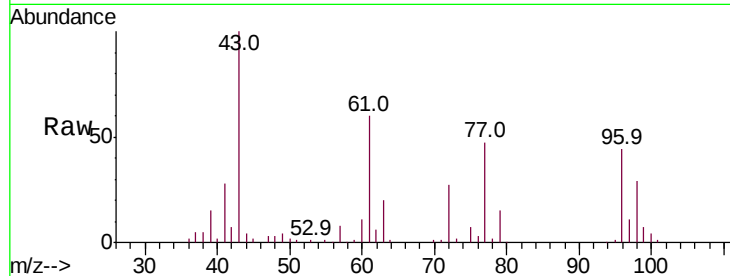
ClientSampleId :

VN0530WBS01

Tot Ion:	96	Resp:	64839
Ion	Ratio	Lower	Upper
96	100		
61	140.4	0.0	275.8
98	65.5	0.0	128.4

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#28

Bromochloromethane

Concen: 22.836 ug/l

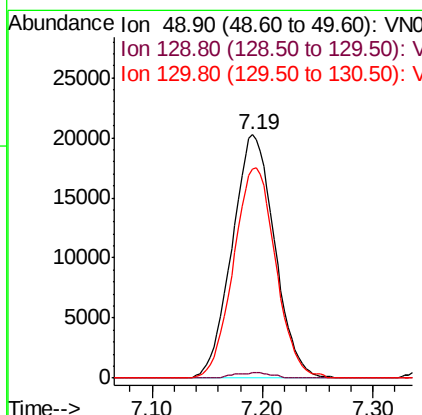
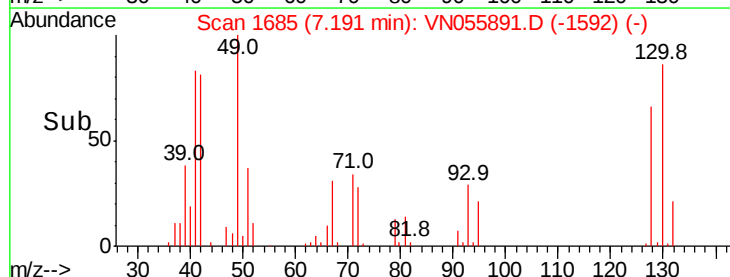
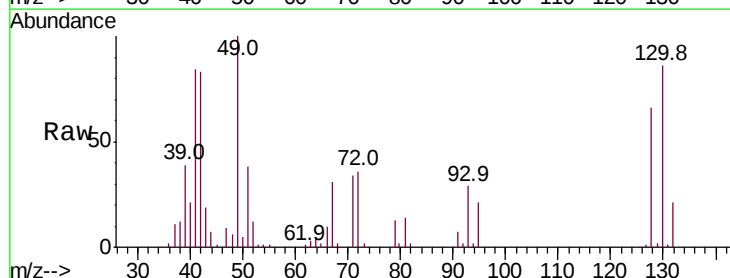
RT: 7.19 min Scan# 1685

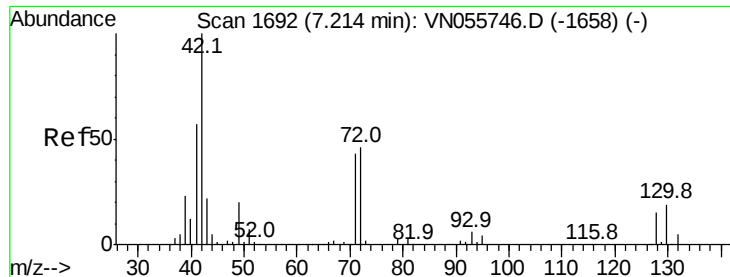
Delta R.T. 0.00 min

Lab File: VN055891.D

Acq: 30 May 2019 11:18

Tgt Ion:	49	Resp:	54155
Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.4
130	85.6	71.2	106.8





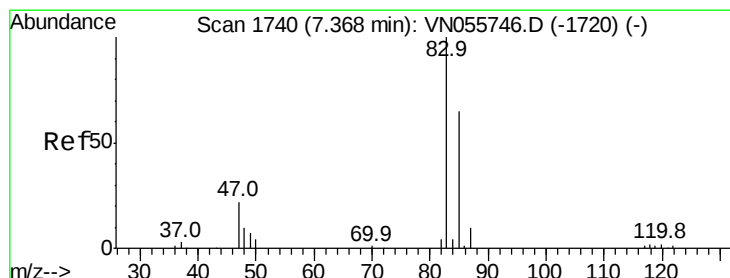
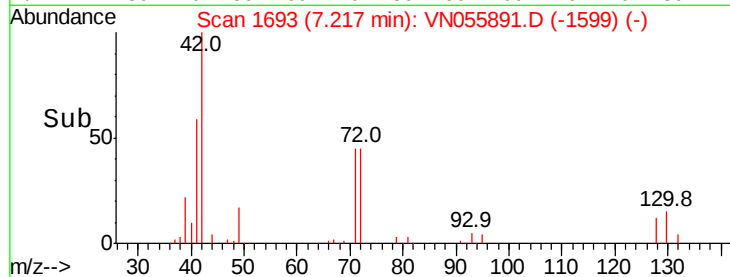
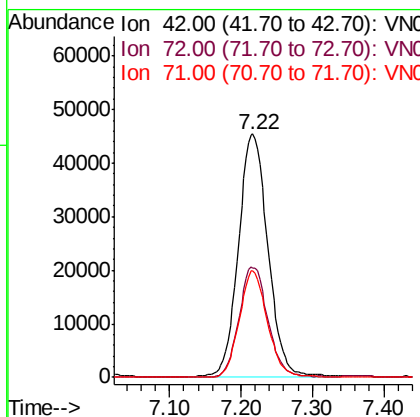
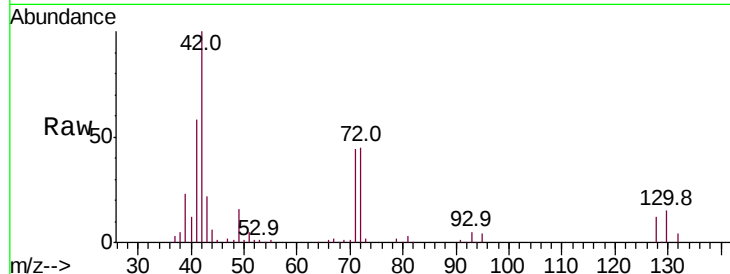
#29
Tetrahydrofuran
Concen: 108.809 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN055891.D
Acq: 30 May 2019 11:18

Instrument :
MSVOA_N
ClientSampleId :
VN0530WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.0	35.9	53.9
71	41.5	34.0	51.0

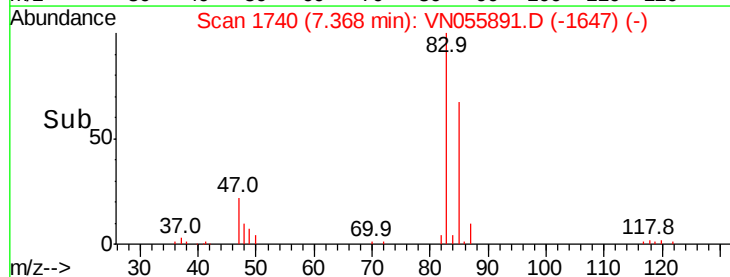
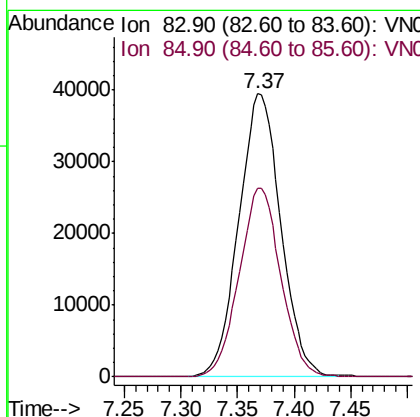
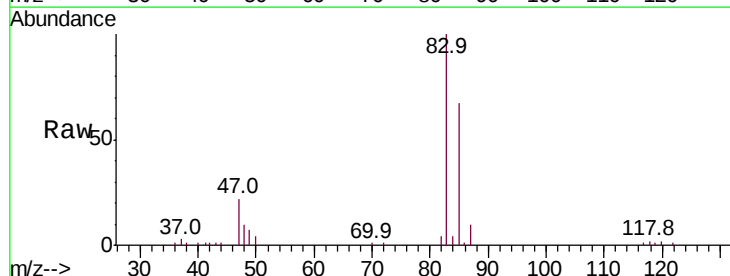
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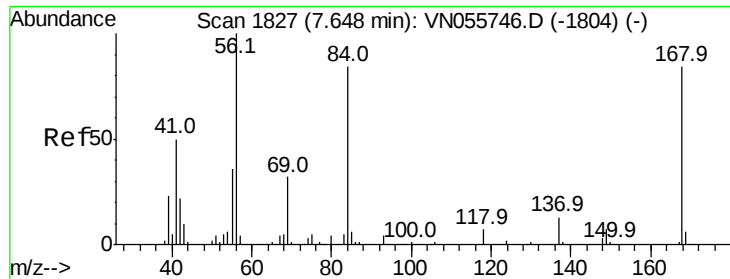
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#30
Chloroform
Concen: 20.575 ug/l
RT: 7.37 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VN055891.D
Acq: 30 May 2019 11:18

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.7	51.8	77.8





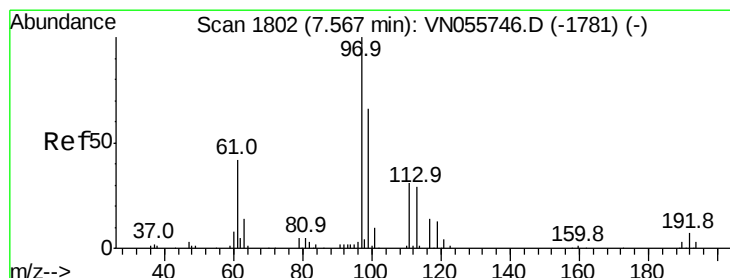
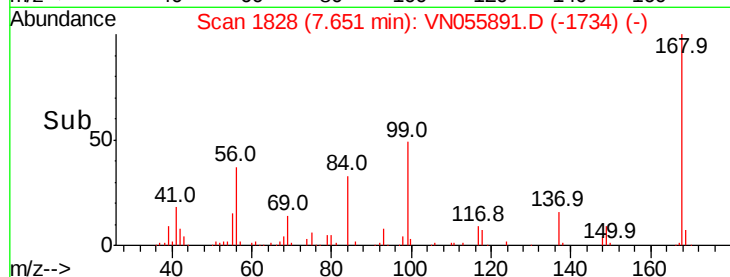
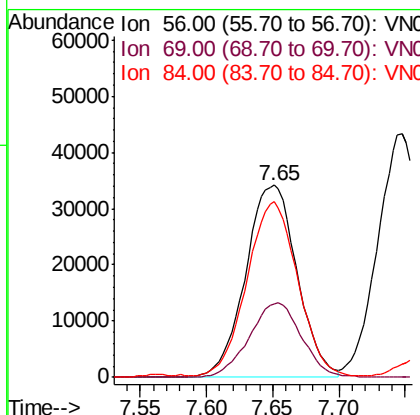
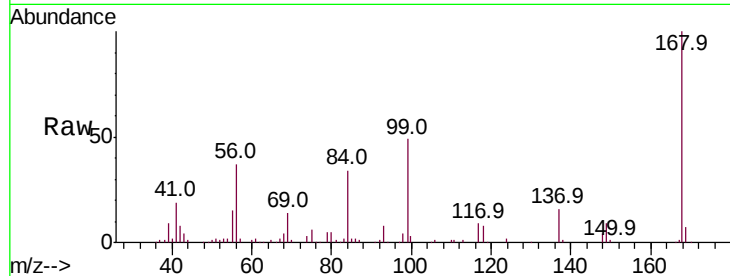
#31
Cyclohexane
Concen: 19.713 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. 0.00 min
Lab File: VN055891.D
Acq: 30 May 2019 11:18

Instrument :
MSVOA_N
ClientSampleId :
VN0530WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	38.5	25.6	38.4#
84	90.4	67.4	101.0

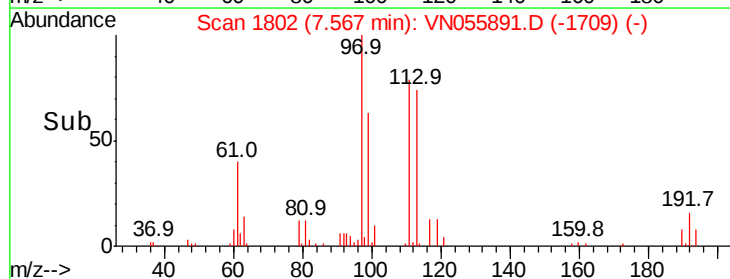
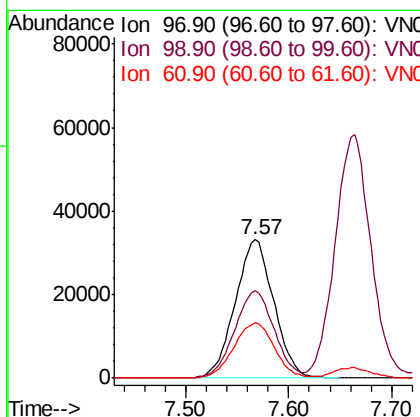
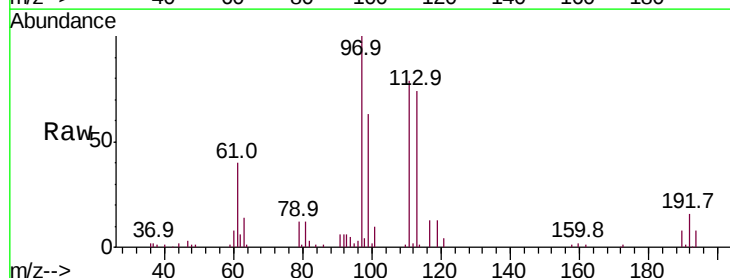
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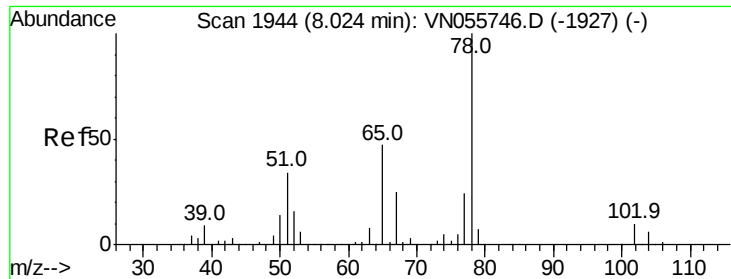
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#32
1,1,1-Trichloroethane
Concen: 19.460 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VN055891.D
Acq: 30 May 2019 11:18

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.8	52.0	78.0
61	41.9	32.9	49.3





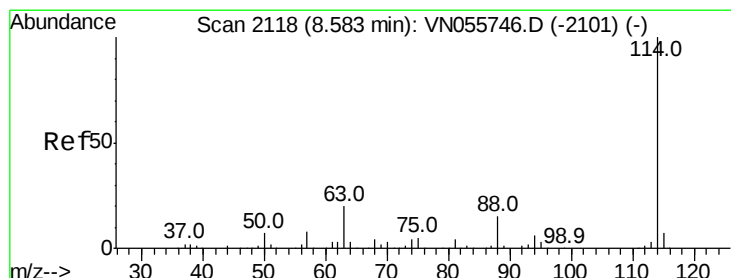
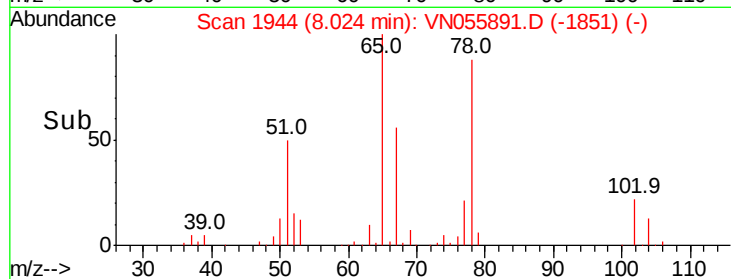
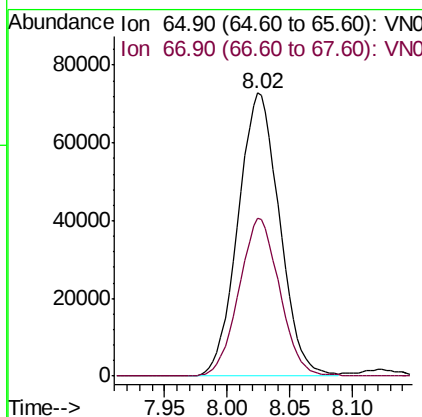
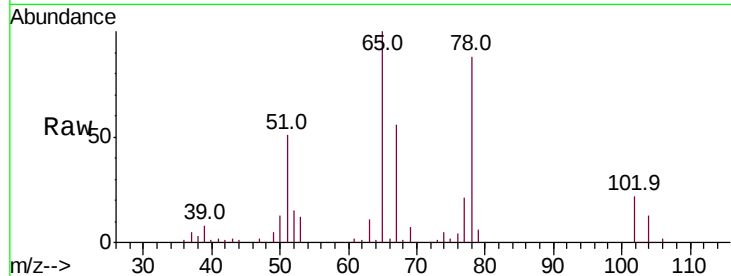
#33
 1,2-Dichloroethane-d4
 Concen: 53.785 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. 0.00 min
 Lab File: VN055891.D
 Acq: 30 May 2019 11:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0530WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	167569		
67	54.7	0.0	109.2	

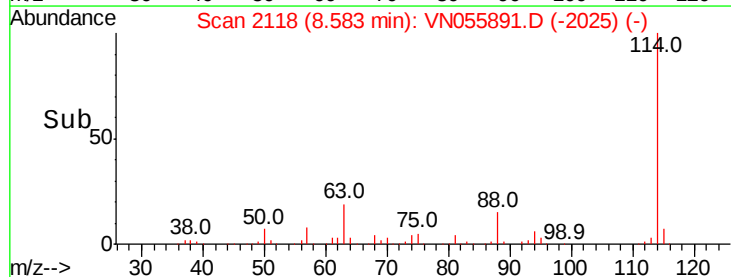
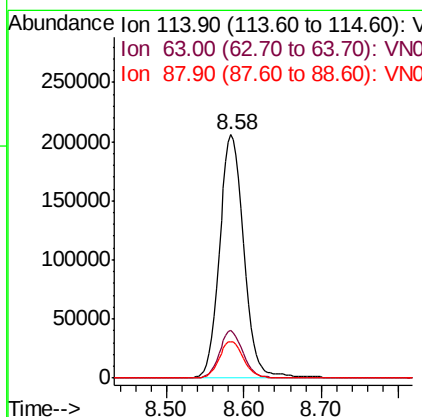
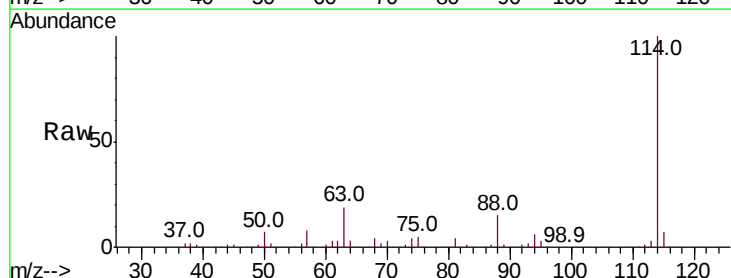
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN055891.D
 Acq: 30 May 2019 11:18

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	451792		
63	19.5	0.0	39.2	
88	15.1	0.0	31.0	





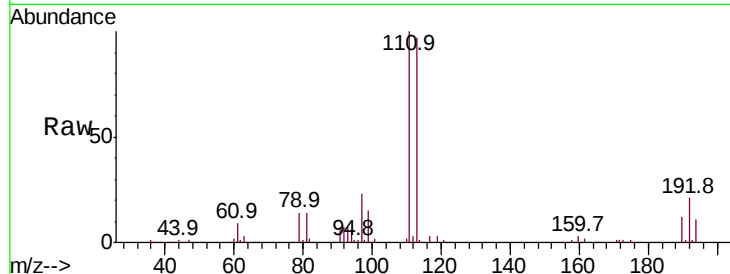
#35
 Dibromofluoromethane
 Concen: 50.725 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN055891.D
 Acq: 30 May 2019 11:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0530WBS01

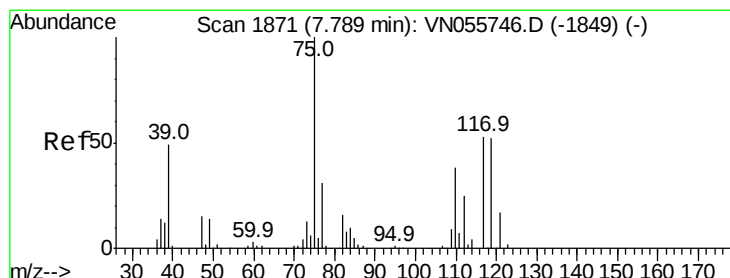
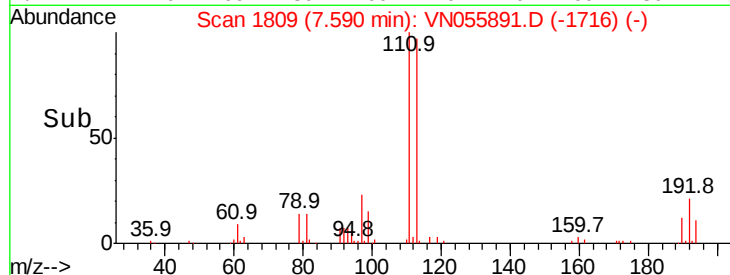
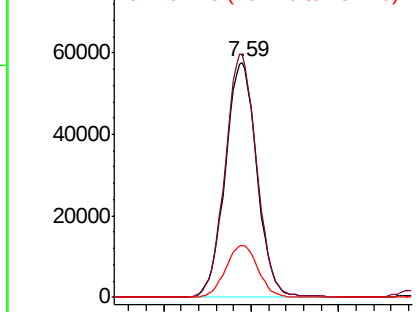
Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.6	81.9	122.9	
192	22.4	19.5	29.3	

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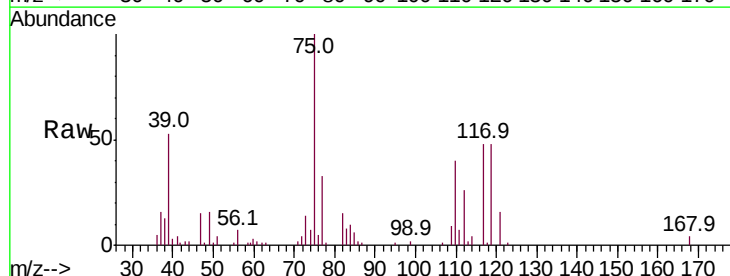


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

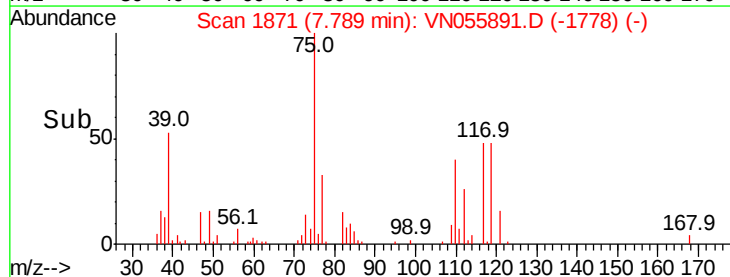
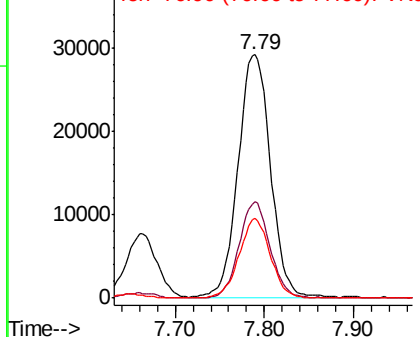


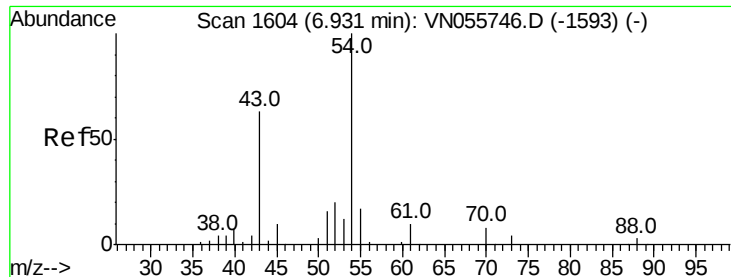
#36
 1,1-Dichloropropene
 Concen: 18.797 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN055891.D
 Acq: 30 May 2019 11:18

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	37.4	19.0	57.0	
77	31.0	25.1	37.7	



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V





#37

Ethyl Acetate

Concen: 20.367 ug/l

RT: 6.93 min Scan# 1605

Delta R.T. 0.00 min

Lab File: VN055891.D

Acq: 30 May 2019 11:18

Instrument :

MSVOA_N

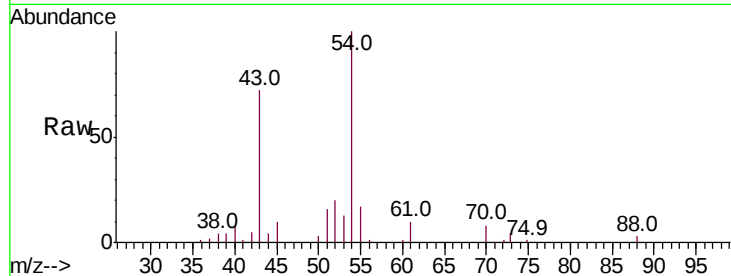
ClientSampleId :

VN0530WBS01

Tot Ion:	43	Resp:	77502
Ion	Ratio	Lower	Upper
43	100		
61	15.0	12.2	18.2
70	10.6	8.9	13.3

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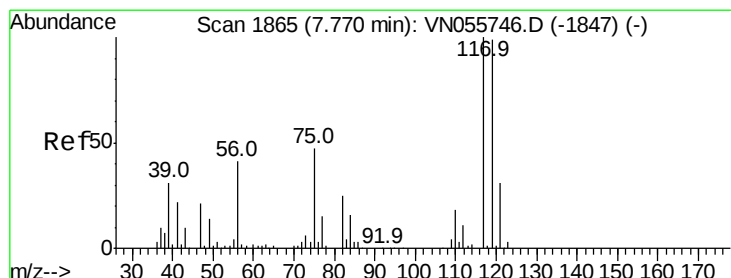
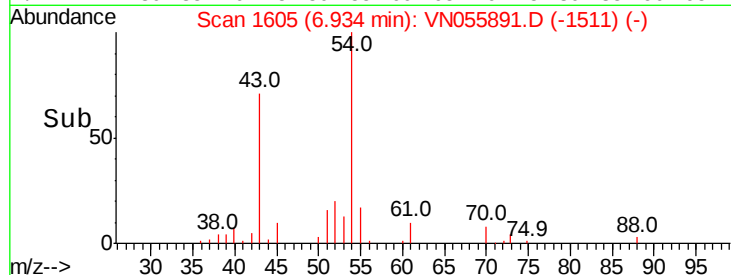
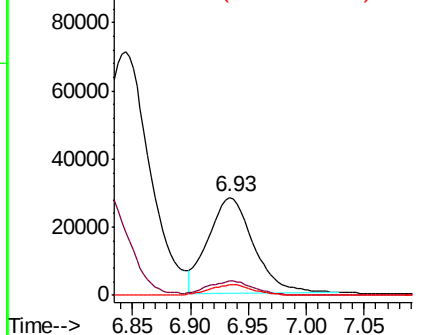


Abundance

Ion 43.00 (42.70 to 43.70): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 70.00 (69.70 to 70.70): VN0



#38

Carbon Tetrachloride

Concen: 17.726 ug/l

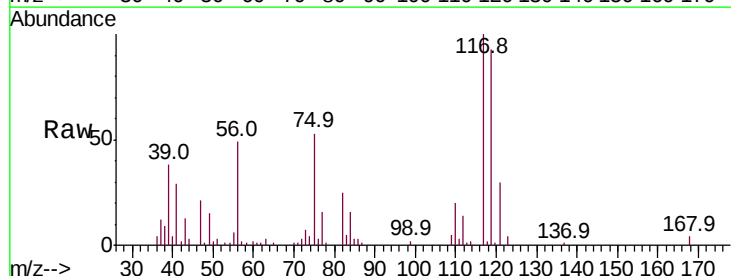
RT: 7.77 min Scan# 1865

Delta R.T. 0.00 min

Lab File: VN055891.D

Acq: 30 May 2019 11:18

Tgt Ion:	117	Resp:	72696
Ion	Ratio	Lower	Upper
117	100		
119	93.3	79.0	118.6
121	30.4	24.7	37.1

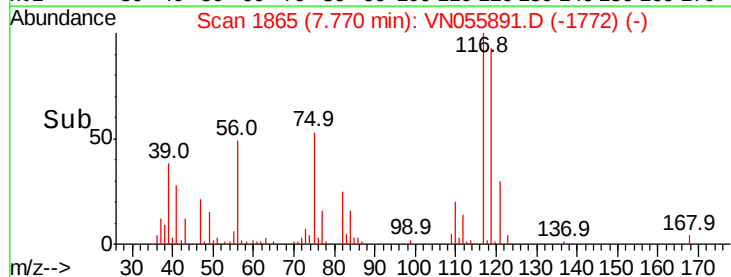
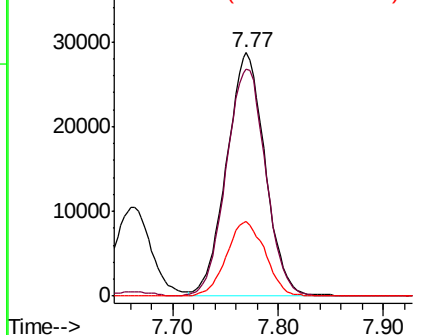


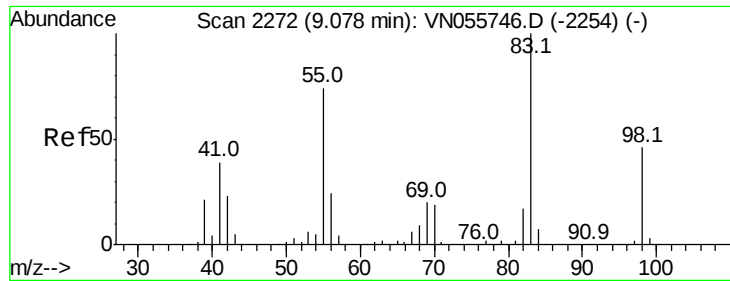
Abundance

Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





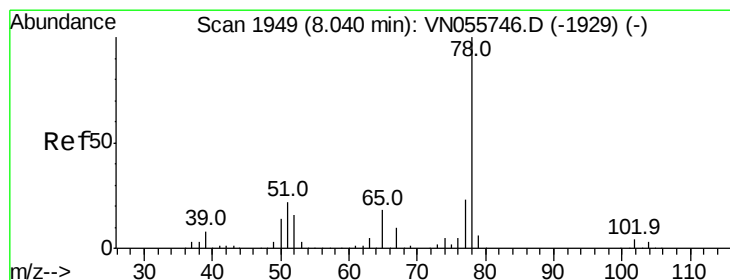
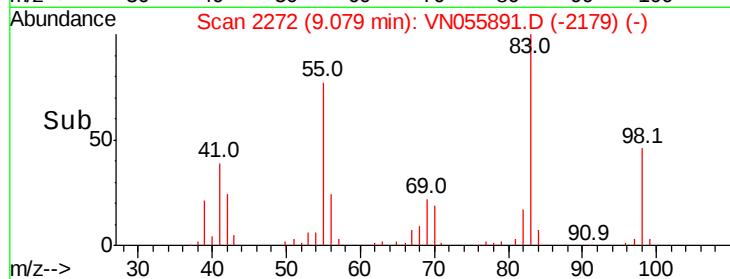
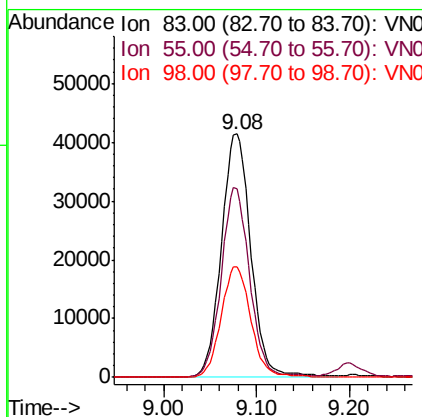
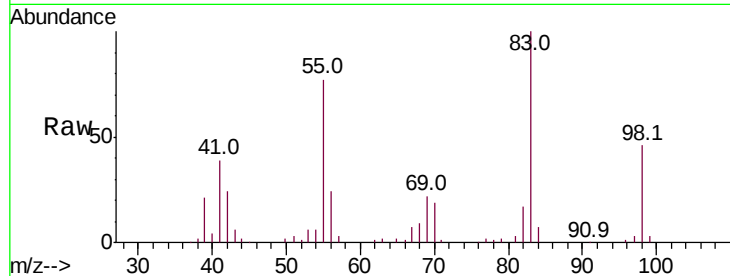
#39
Methvlcvclohexane
Concen: 18.812 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN055891.D
Acq: 30 May 2019 11:18

Instrument :
MSVOA_N
ClientSampled :
VN0530WBS01

Tot Ion	83	Resp	91717
Ion Ratio	100	Lower	Upper
83	100		
55	77.3	59.3	88.9
98	45.5	36.6	54.8

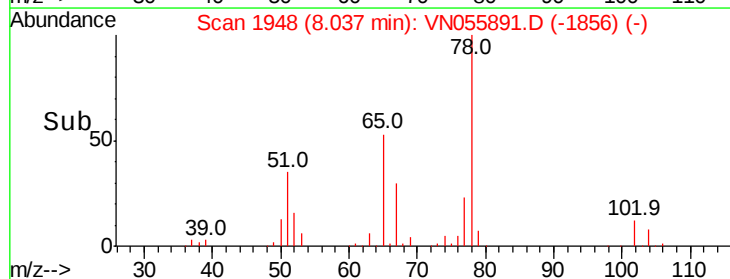
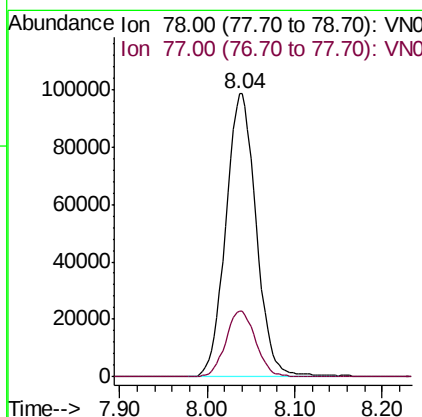
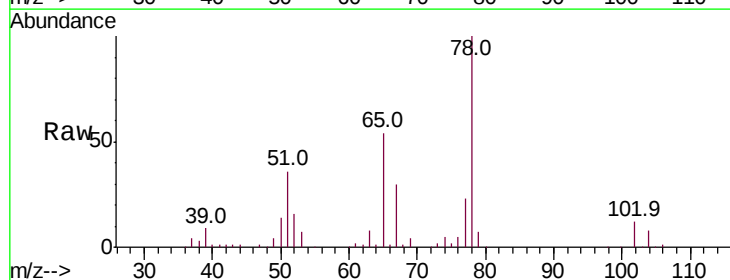
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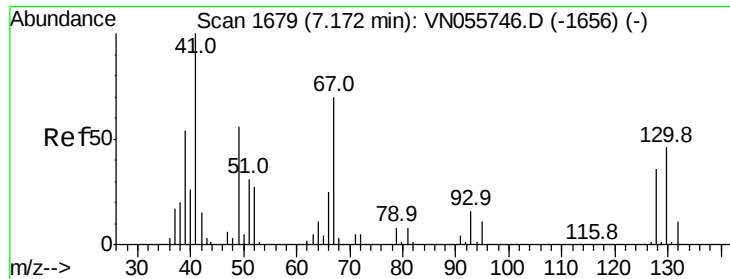
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#40
Benzene
Concen: 20.000 ug/l
RT: 8.04 min Scan# 1948
Delta R.T. -0.00 min
Lab File: VN055891.D
Acq: 30 May 2019 11:18

Tgt Ion	78	Resp	237313
Ion Ratio	100	Lower	Upper
78	100		
77	23.4	18.8	28.2





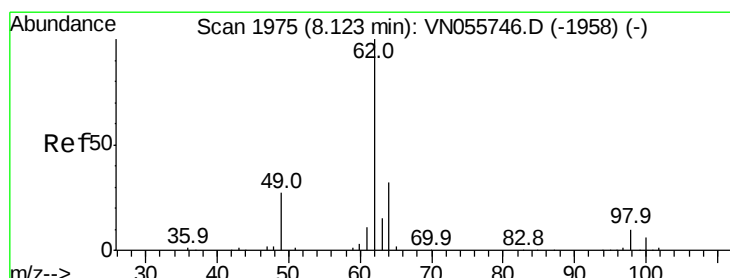
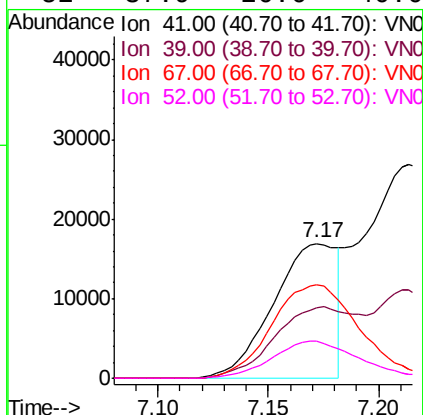
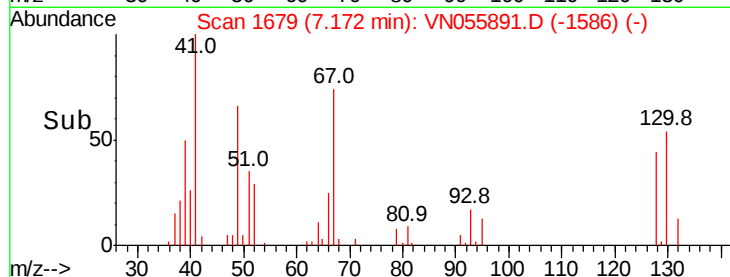
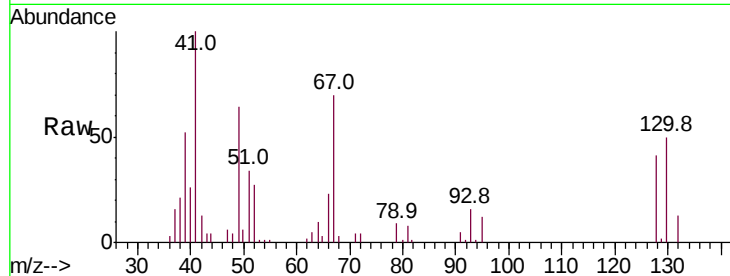
#41
Methacrylonitrile
Concen: 17.660 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN055891.D
Acq: 30 May 2019 11:18

Instrument :
MSVOA_N
ClientSampleId :
VN0530WBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	70.5	45.6	68.4	#
67	96.2	67.7	101.5	
52	37.9	26.6	40.0	

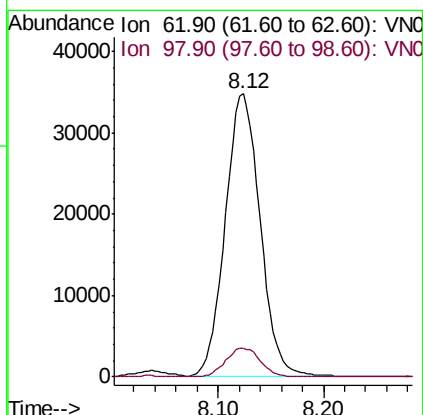
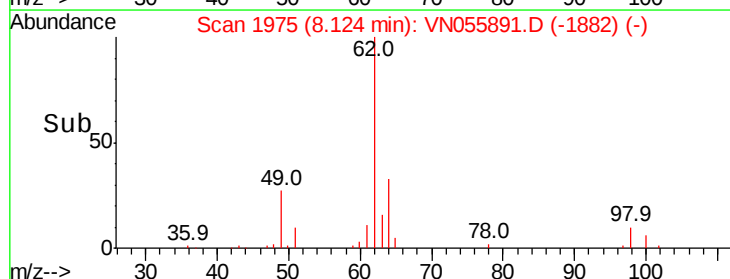
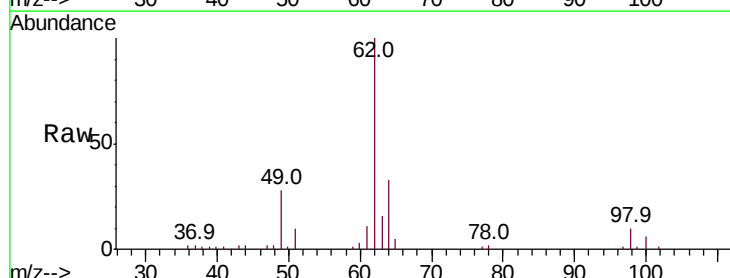
Manual Integrations
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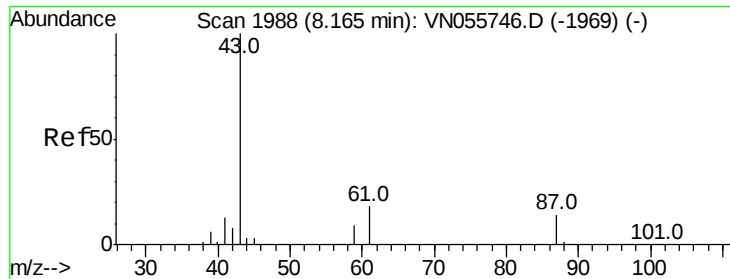
MMDadoda
5/31/2019 9:38:14 AM



#42
1,2-Dichloroethane
Concen: 20.631 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN055891.D
Acq: 30 May 2019 11:18

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.9	0.0	20.2	





#43

Isopropyl Acetate

Concen: 19.751 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN055891.D

Acq: 30 May 2019 11:18

Instrument :

MSVOA_N

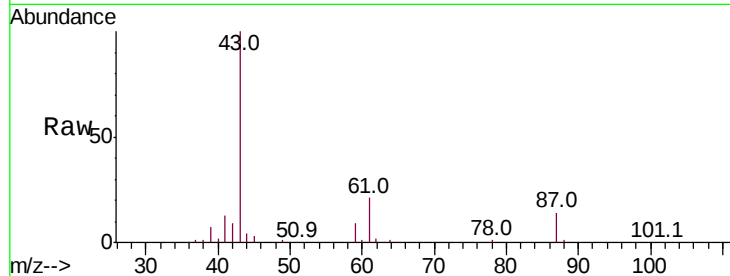
ClientSampleId :

VN0530WBS01

Tot Ion:	43	Resp:	126278
Ion	Ratio	Lower	Upper
43	100		
61	21.7	22.2	33.4#
87	13.7	11.4	17.2

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MMDadoda
5/31/2019 9:38:14 AM



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) (-)

8.17

60000

40000

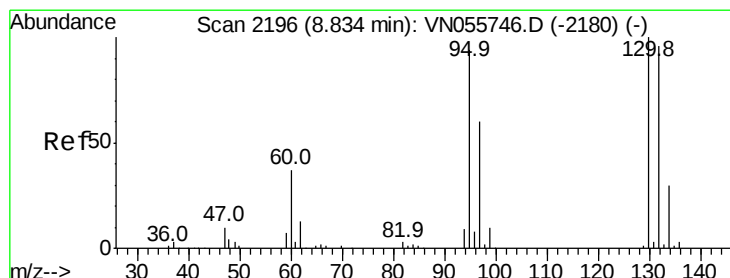
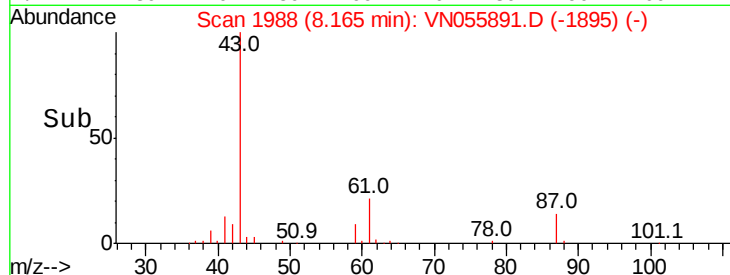
20000

0

8.10

8.20

Time-->



#44

Trichloroethene

Concen: 19.444 ug/l

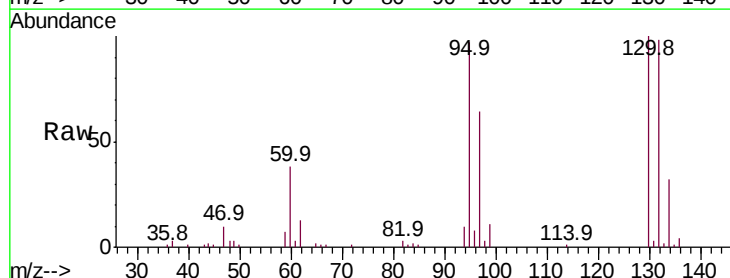
RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN055891.D

Acq: 30 May 2019 11:18

Tgt Ion:	130	Resp:	64321
Ion	Ratio	Lower	Upper
130	100		
95	97.1	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

30000

20000

10000

0

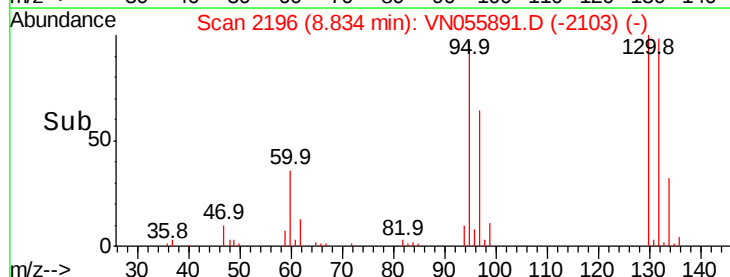
8.75

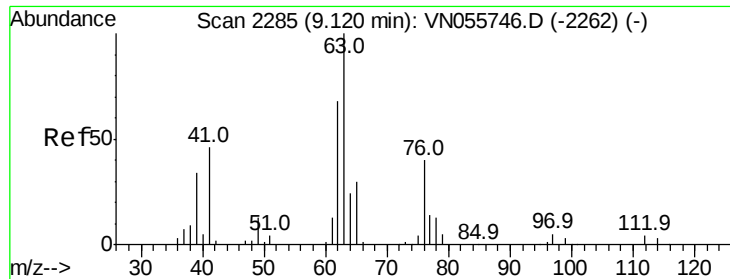
8.80

8.85

8.90

Time-->





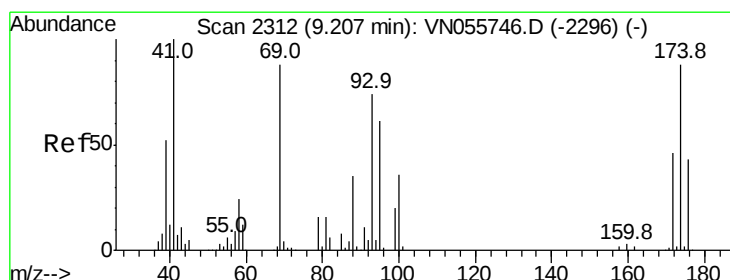
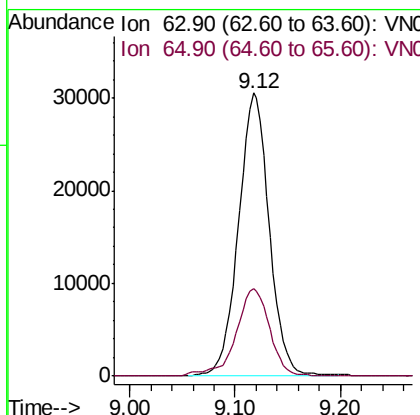
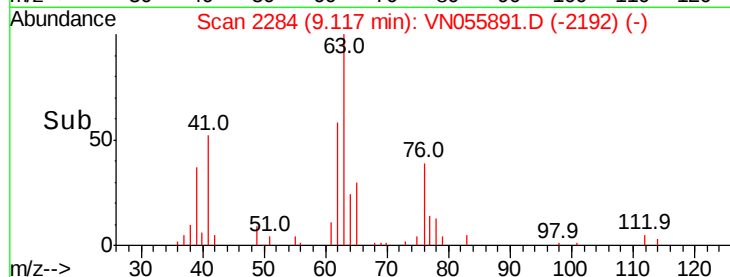
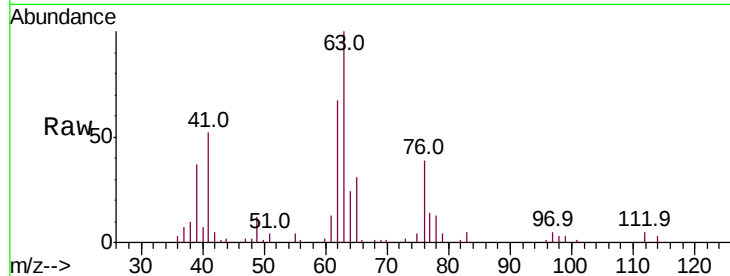
#45
 1,2-Dichloropropane
 Concen: 20.010 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN055891.D
 Acq: 30 May 2019 11:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0530WBS01

Tot Ion: 63 Resp: 61861
 Ion Ratio Lower Upper
 63 100
 65 31.0 24.6 36.8

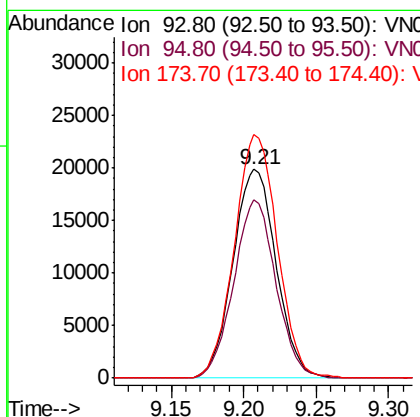
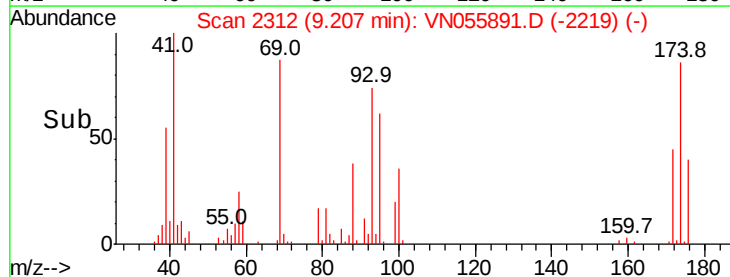
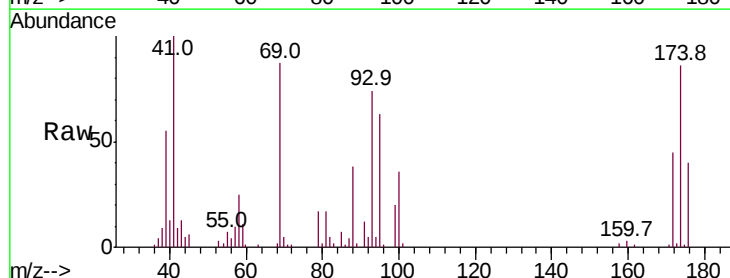
Manual Integrations
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 5/31/2019 9:38:14 AM



#46
 Dibromomethane
 Concen: 20.293 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN055891.D
 Acq: 30 May 2019 11:18

Tgt Ion: 93 Resp: 41145
 Ion Ratio Lower Upper
 93 100
 95 83.1 66.7 100.1
 174 116.3 96.4 144.6





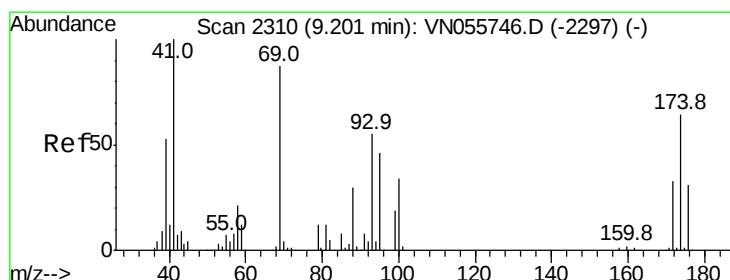
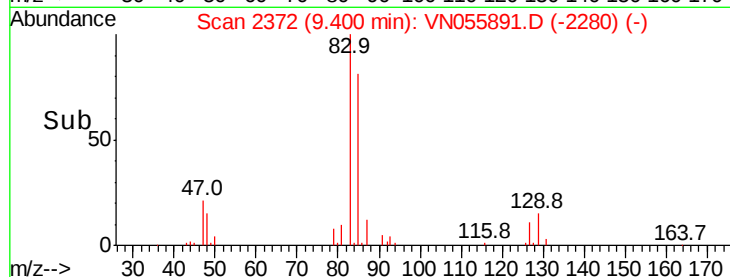
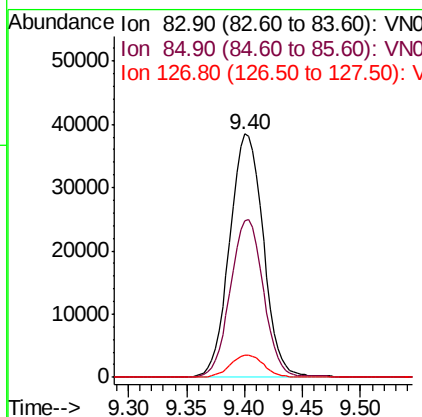
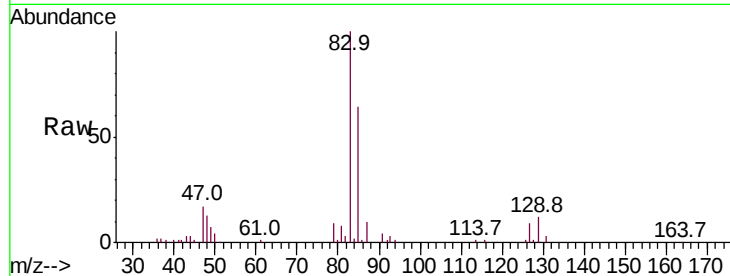
#47
Bromodichloromethane
Concen: 18.691 ug/l
RT: 9.40 min Scan# 2372
Delta R.T. -0.00 min
Lab File: VN055891.D
Acq: 30 May 2019 11:18

Instrument :
MSVOA_N
ClientSampleId :
VN0530WBS01

Tot Ion	83	Resp	77705
Ion Ratio	100	Lower	Upper
83	100		
85	64.4	52.2	78.2
127	8.9	7.4	11.0

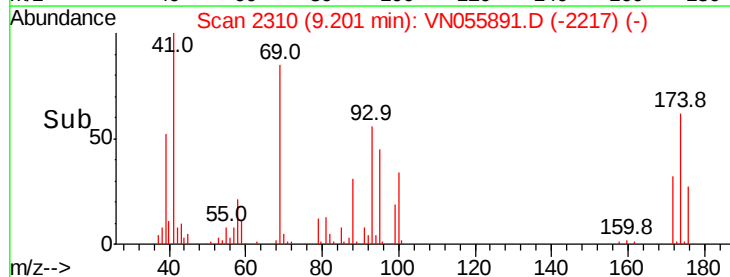
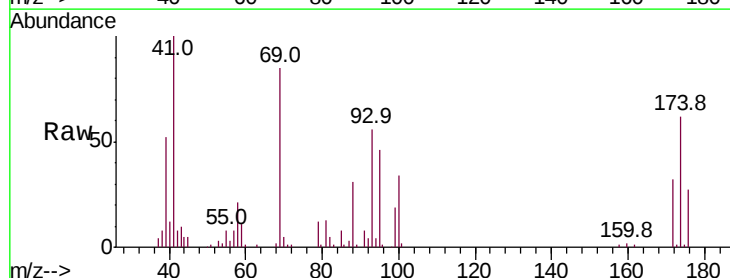
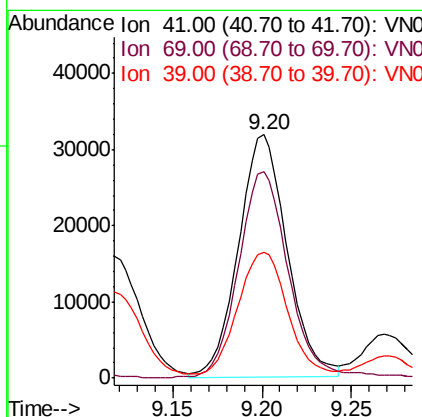
Manual Integrations
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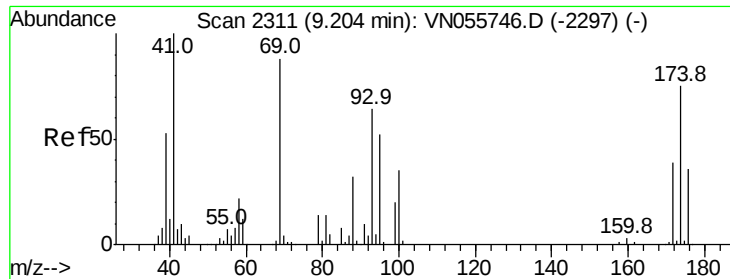
MMDadoda
5/31/2019 9:38:14 AM



#48
Methyl methacrylate
Concen: 20.608 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN055891.D
Acq: 30 May 2019 11:18

Tgt Ion	41	Resp	60725
Ion Ratio	100	Lower	Upper
41	100		
69	88.4	71.0	106.6
39	53.4	44.2	66.2





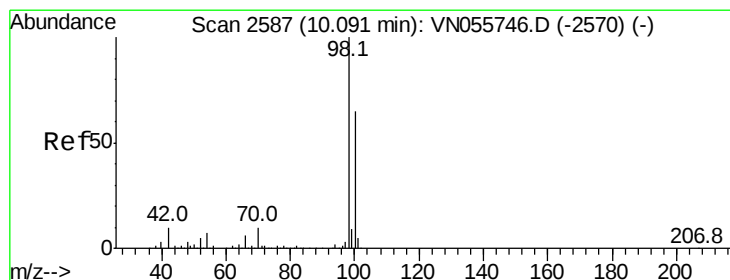
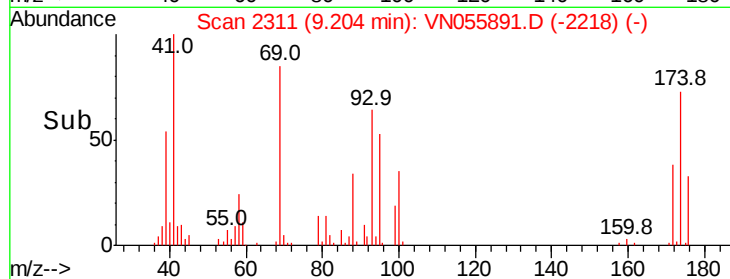
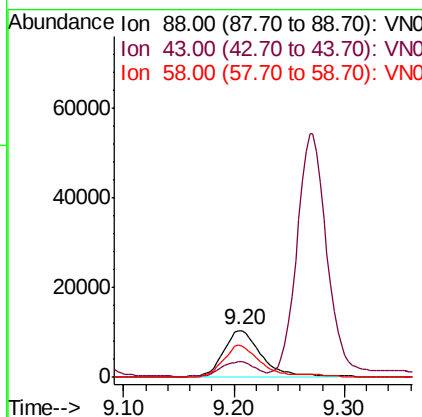
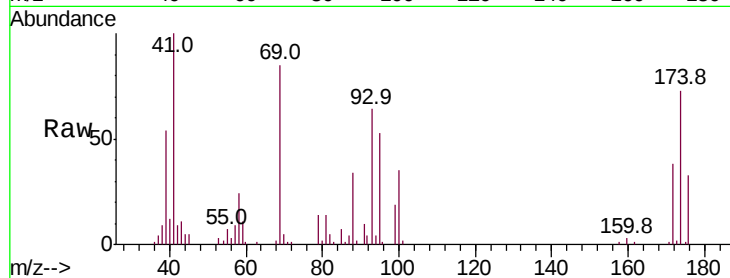
#49
 1,4-Dioxane
 Concen: 412.390 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VN055891.D
 Acq: 30 May 2019 11:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0530WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	28.3	20.5	30.7
58	64.1	55.8	83.6

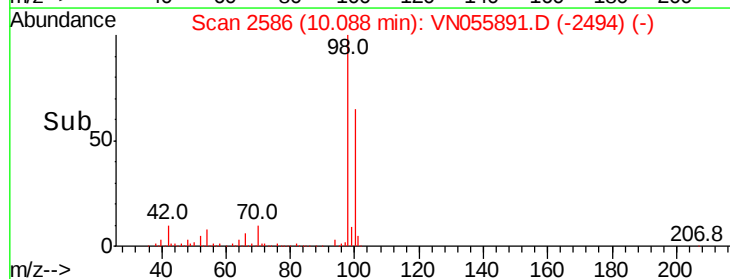
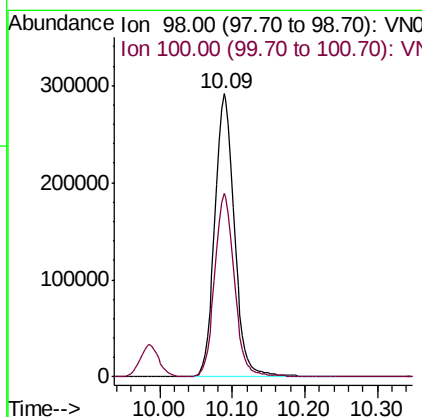
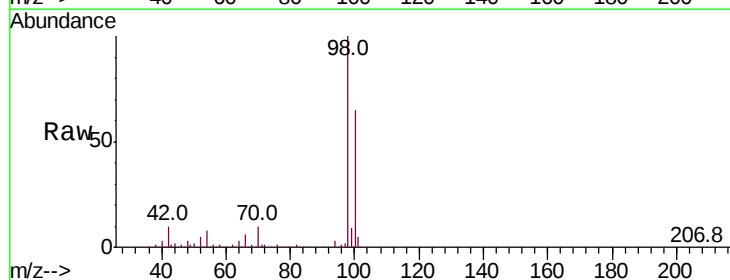
Manual Integrations
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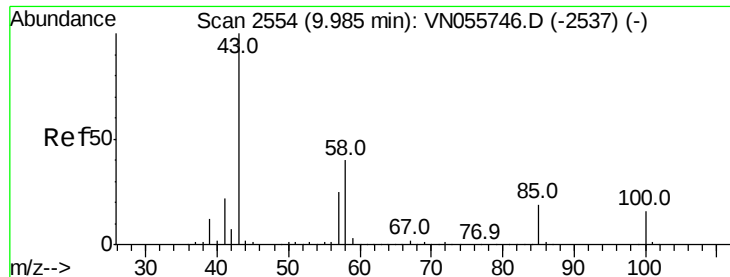
MMDadoda
 5/31/2019 9:38:14 AM



#50
 Toluene-d8
 Concen: 50.081 ug/l
 RT: 10.09 min Scan# 2586
 Delta R.T. -0.00 min
 Lab File: VN055891.D
 Acq: 30 May 2019 11:18

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.9	77.9





#51

4-Methyl-2-Pentanone

Concen: 102.632 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055891.D

Acq: 30 May 2019 11:18

Instrument :

MSVOA_N

ClientSampleId :

VN0530WBS01

Tot Ion: 43 Resp: 387542

Ion Ratio Lower Upper

43 100

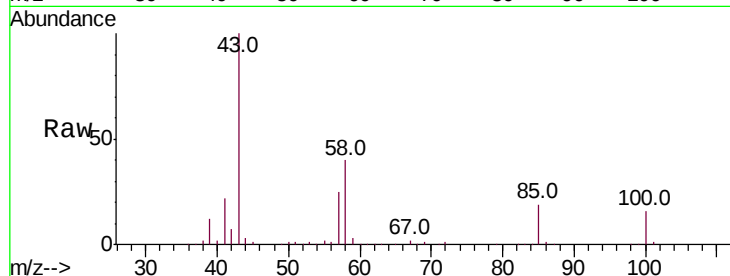
58 40.2 32.1 48.1

Manual Integrations

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MMDadoda

5/31/2019 9:38:14 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

250000

200000

150000

100000

50000

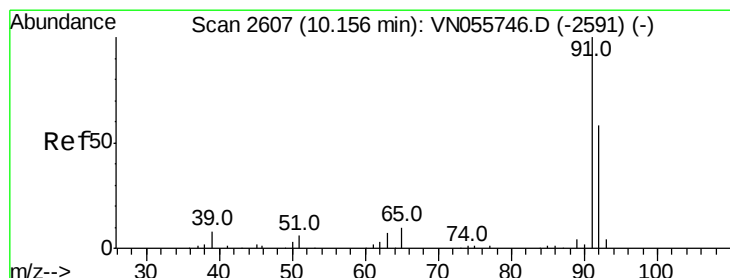
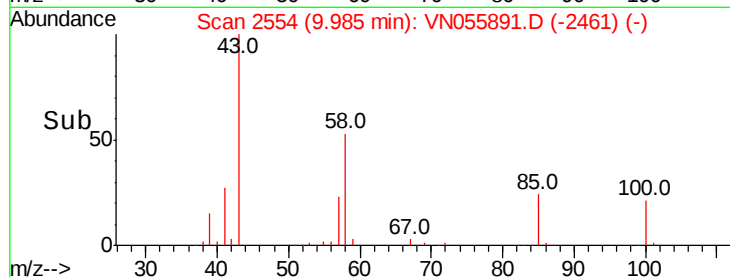
0

9.90

10.00

10.10

Time-->



#52

Toluene

Concen: 20.027 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055891.D

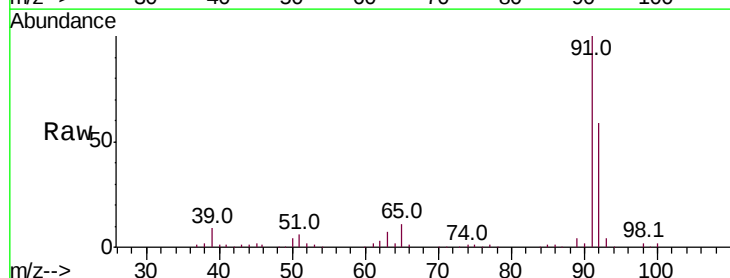
Acq: 30 May 2019 11:18

Tgt Ion: 92 Resp: 149460

Ion Ratio Lower Upper

92 100

91 173.1 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

150000

100000

50000

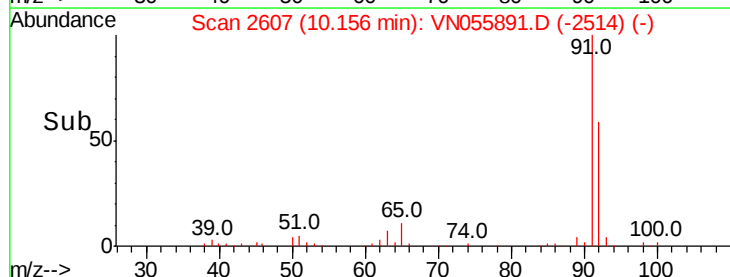
0

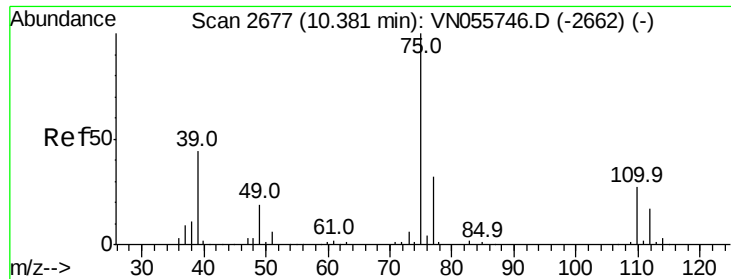
10.10

10.20

10.30

Time-->





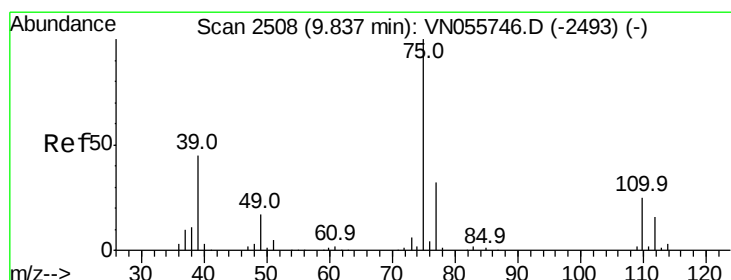
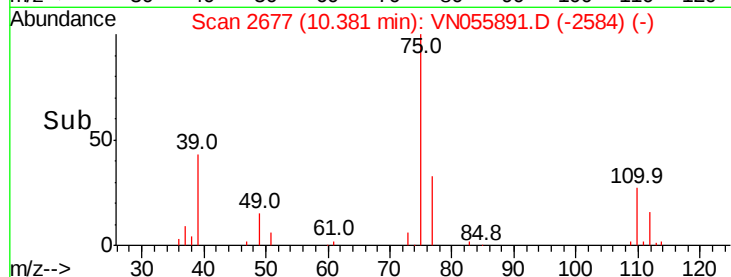
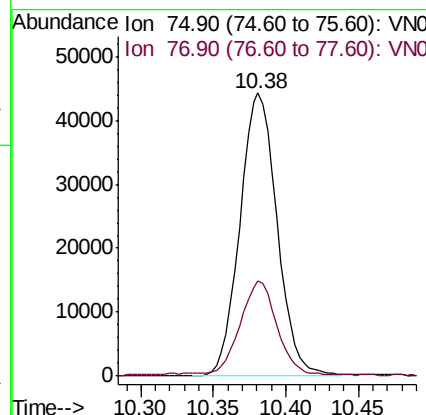
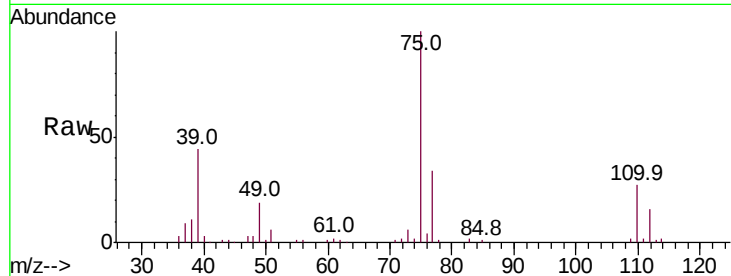
#53
 t-1,3-Dichloropropene
 Concen: 17.818 ug/l
 RT: 10.38 min Scan# 2677
 Delta R.T. 0.00 min
 Lab File: VN055891.D
 Acq: 30 May 2019 11:18

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0530WBS01

Tot Ion: 75 Resp: 79070
 Ion Ratio Lower Upper
 75 100
 77 33.3 25.8 38.6

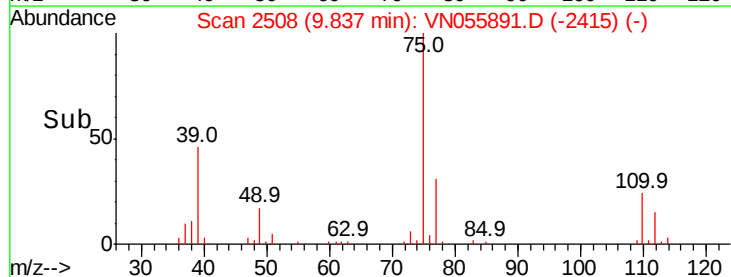
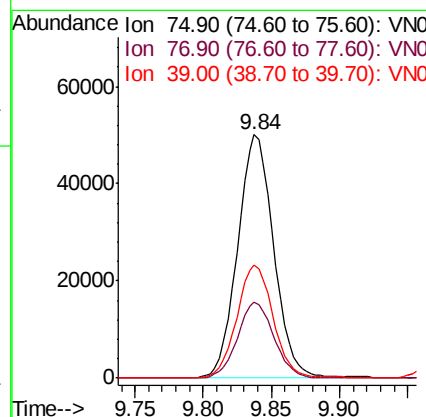
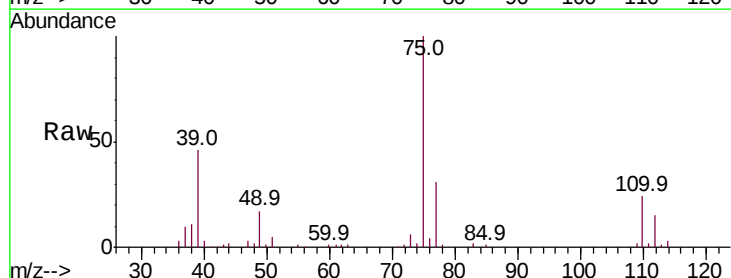
Manual Integrations
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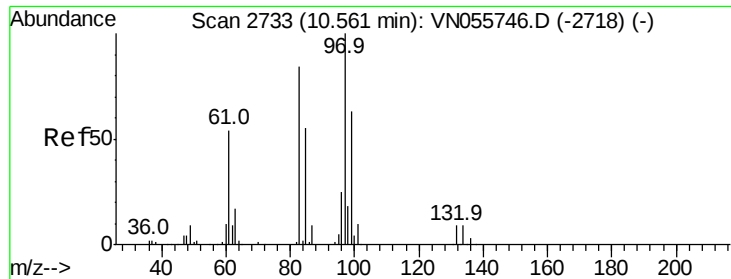
MMDadoda
 5/31/2019 9:38:14 AM



#54
 cis-1,3-Dichloropropene
 Concen: 18.696 ug/l
 RT: 9.84 min Scan# 2508
 Delta R.T. 0.00 min
 Lab File: VN055891.D
 Acq: 30 May 2019 11:18

Tgt Ion: 75 Resp: 91913
 Ion Ratio Lower Upper
 75 100
 77 31.4 25.4 38.0
 39 46.4 36.3 54.5





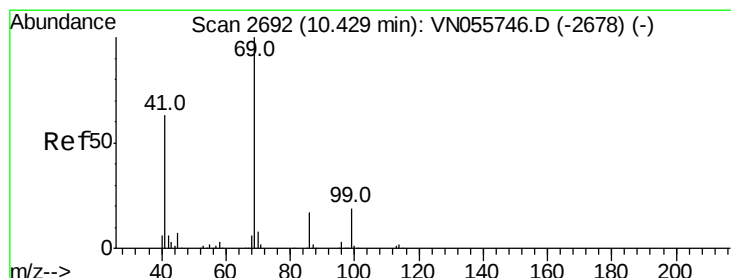
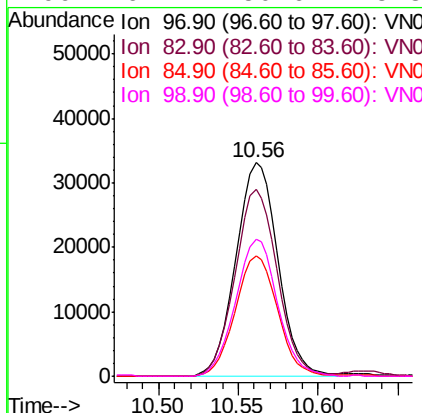
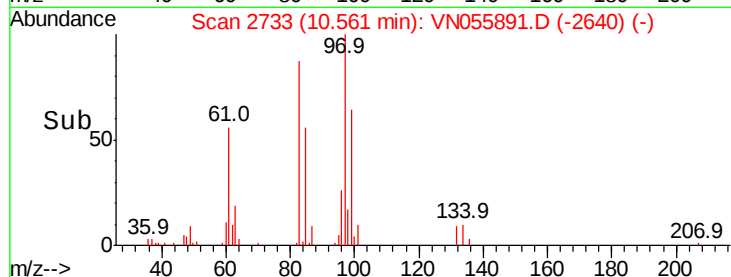
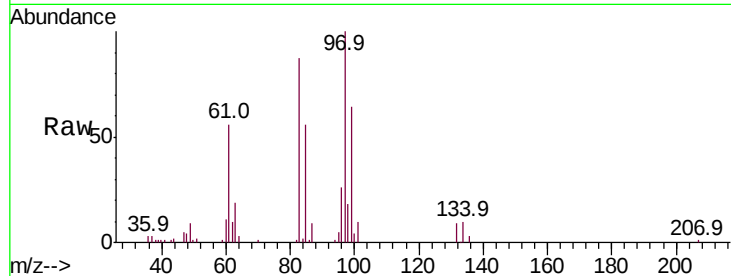
#55
 1,1,2-Trichloroethane
 Concen: 19.931 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN055891.D
 Acq: 30 May 2019 11:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0530WBS01

Tot Ion:	97	Resp:	59588
Ion	Ratio	Lower	Upper
97	100		
83	87.4	67.0	100.6
85	56.1	44.0	66.0
99	64.2	50.6	75.8

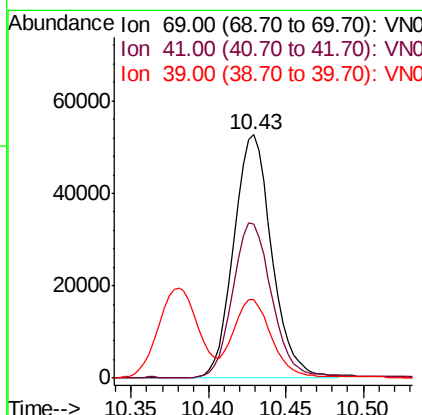
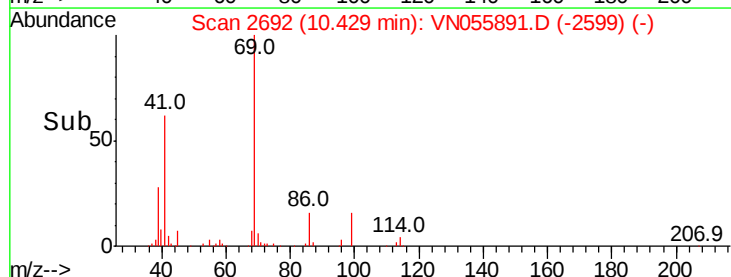
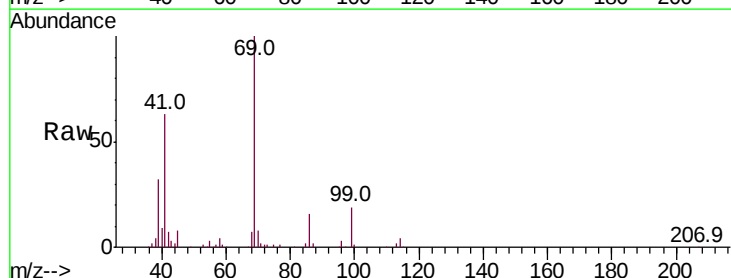
Manual Integrations
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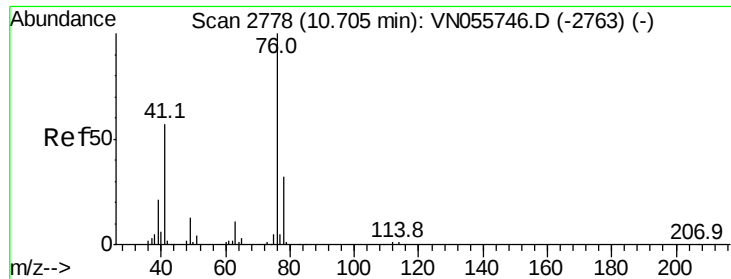
MMDadoda
 5/31/2019 9:38:14 AM



#56
 Ethyl methacrylate
 Concen: 19.573 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN055891.D
 Acq: 30 May 2019 11:18

Tgt Ion:	69	Resp:	90435
Ion	Ratio	Lower	Upper
69	100		
41	64.7	49.7	74.5
39	31.8	24.7	37.1





#57

1,3-Dichloropropane

Concen: 20.332 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN055891.D

Acq: 30 May 2019 11:18

Instrument :

MSVOA_N

ClientSampled :

VN0530WBS01

Tot Ion: 76 Resp: 98805

Ion Ratio Lower Upper

76 100

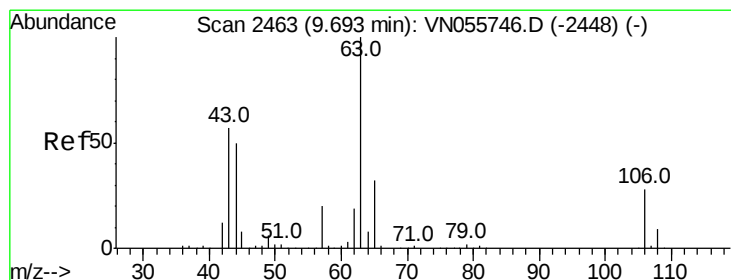
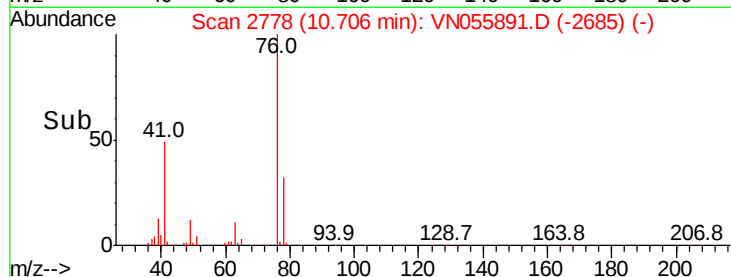
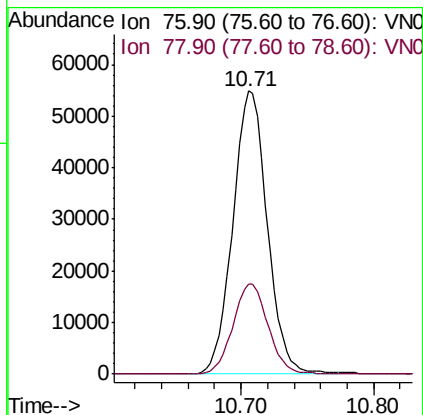
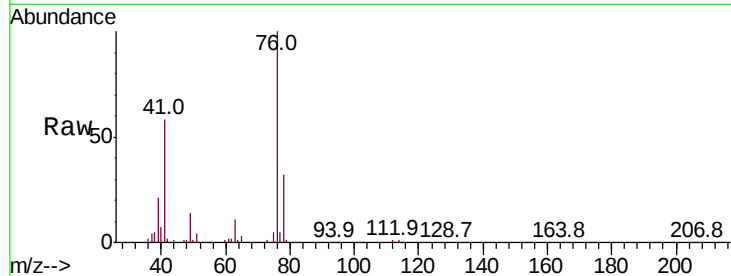
78 32.5 25.8 38.6

Manual Integrations

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MMDadoda

5/31/2019 9:38:14 AM



#58

2-Chloroethyl Vinyl ether

Concen: 95.709 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. 0.00 min

Lab File: VN055891.D

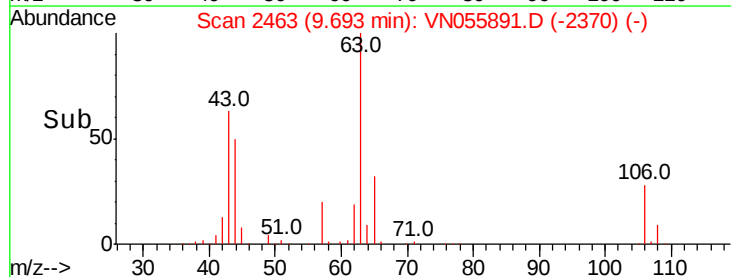
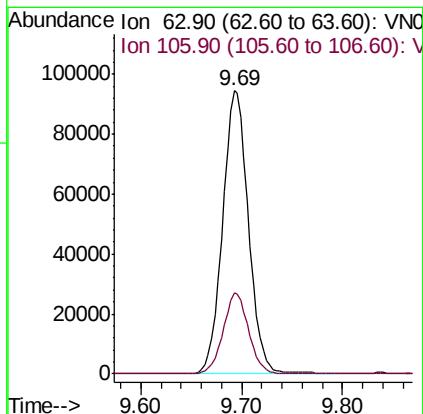
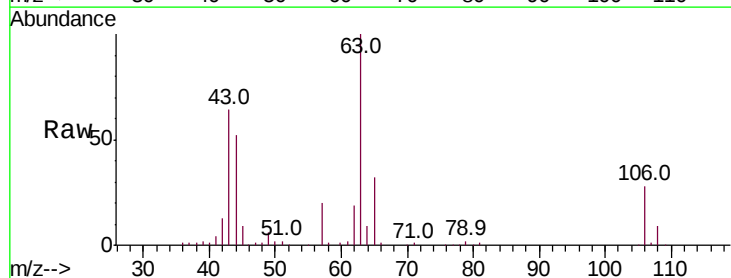
Acq: 30 May 2019 11:18

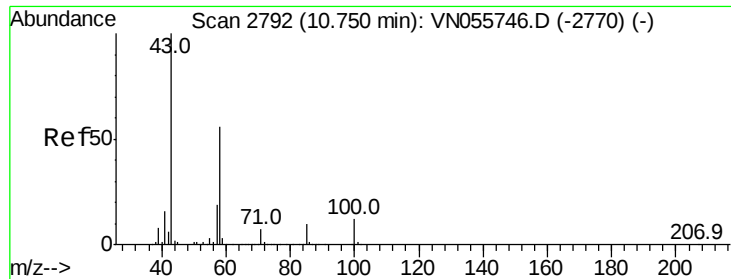
Tgt Ion: 63 Resp: 168999

Ion Ratio Lower Upper

63 100

106 28.0 22.7 34.1





#59

2-Hexanone

Concen: 101.668 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. 0.00 min

Lab File: VN055891.D

Acq: 30 May 2019 11:18

Instrument :

MSVOA_N

ClientSampleId :

VN0530WBS01

Tot Ion: 43 Resp: 272344

Ion Ratio Lower Upper

43 100

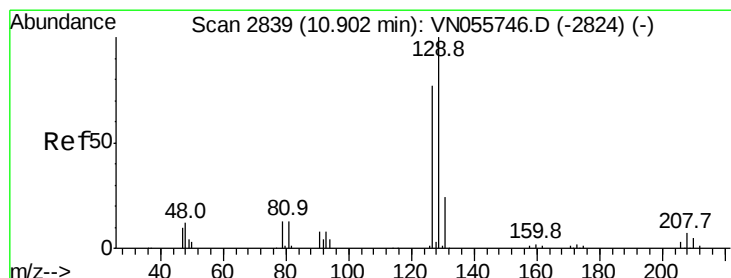
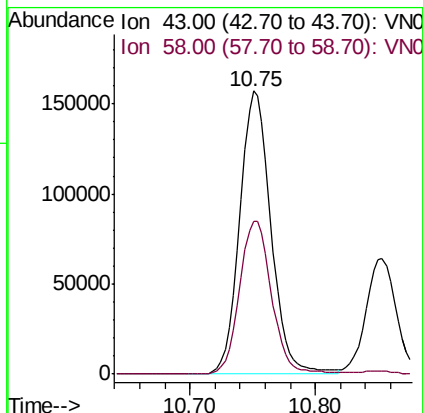
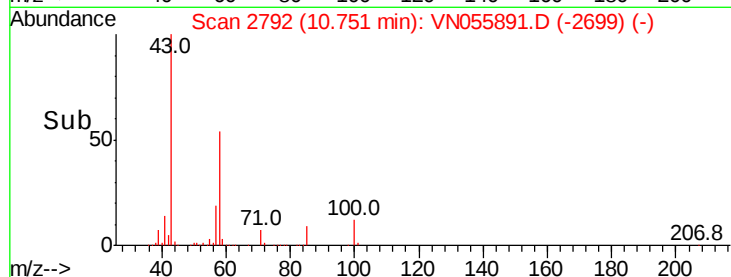
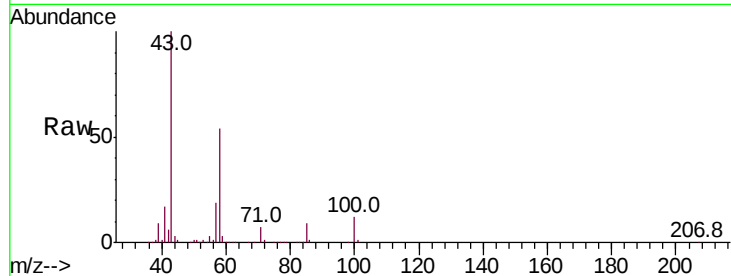
58 55.6 28.2 84.7

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#60

Dibromochloromethane

Concen: 17.432 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN055891.D

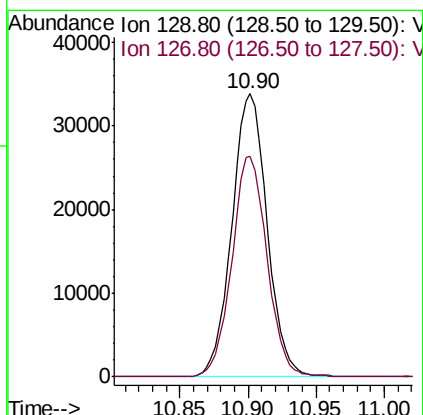
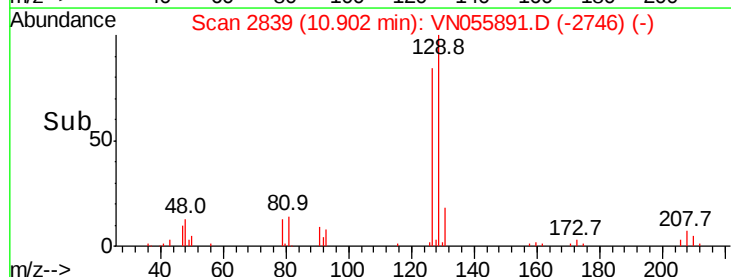
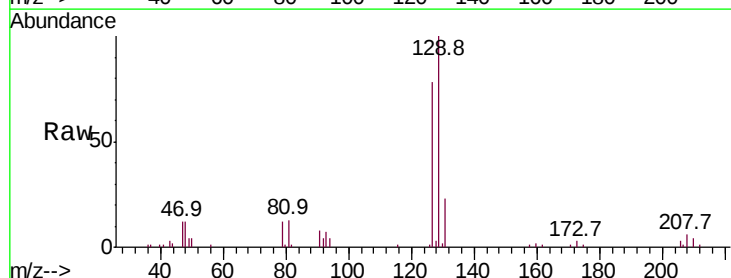
Acq: 30 May 2019 11:18

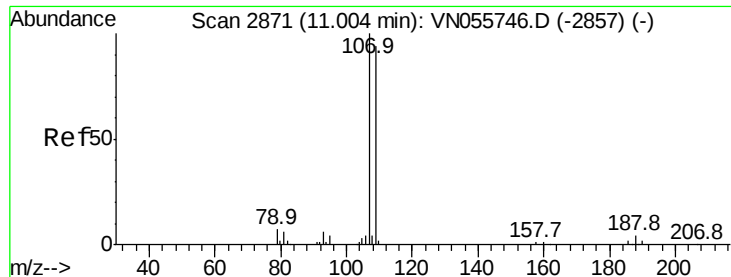
Tgt Ion: 129 Resp: 60714

Ion Ratio Lower Upper

129 100

127 77.6 38.1 114.3





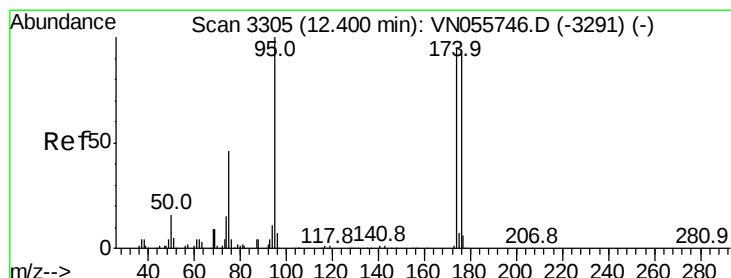
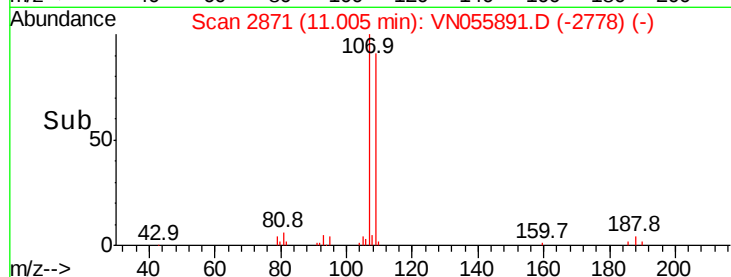
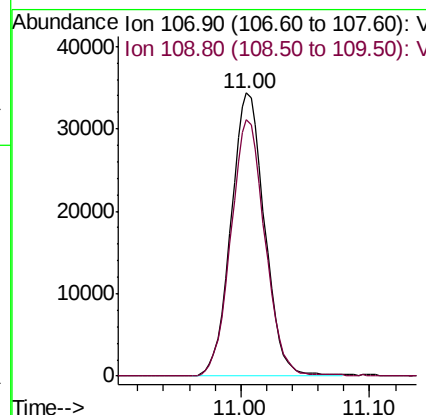
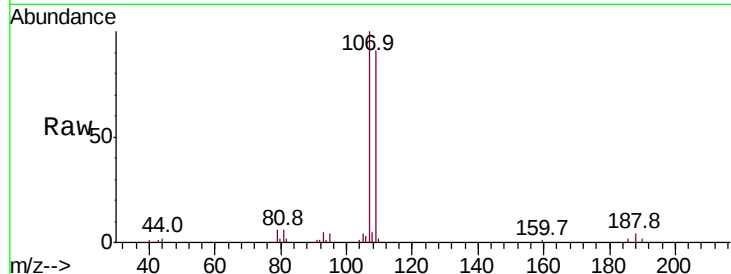
#61
 1,2-Dibromoethane
 Concen: 20.000 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN055891.D
 Acq: 30 May 2019 11:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0530WBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	91.9	74.8	112.2

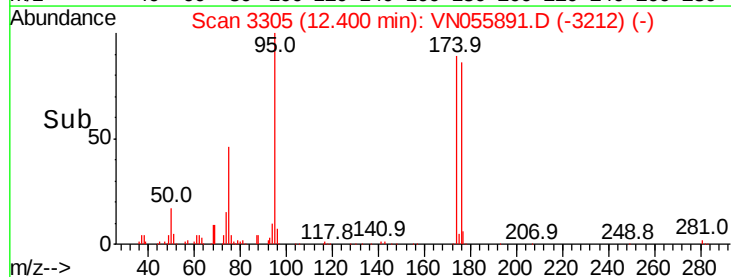
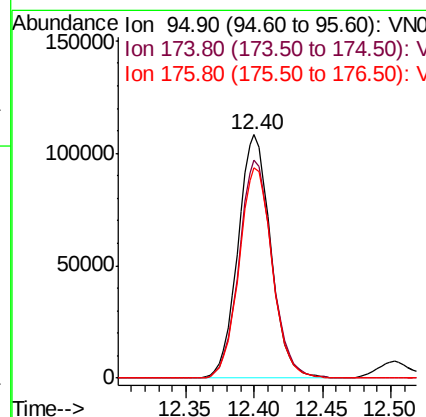
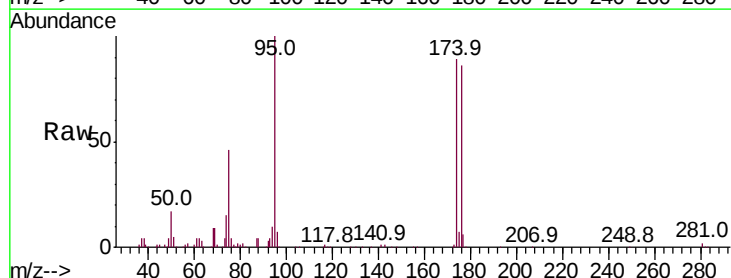
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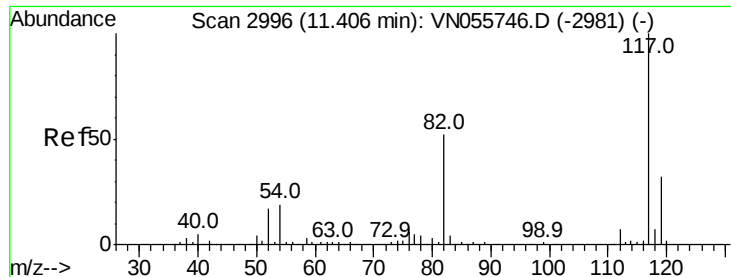
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#62
 4-Bromofluorobenzene
 Concen: 48.161 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN055891.D
 Acq: 30 May 2019 11:18

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.2	0.0	191.0
176	87.3	0.0	185.2





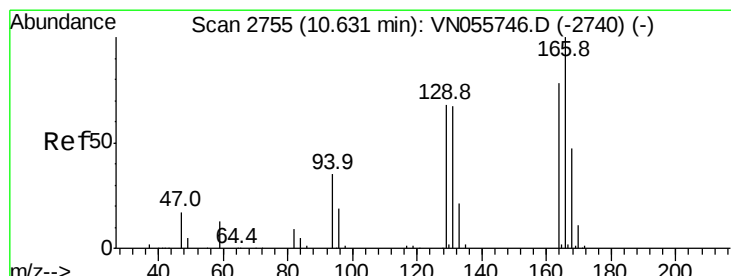
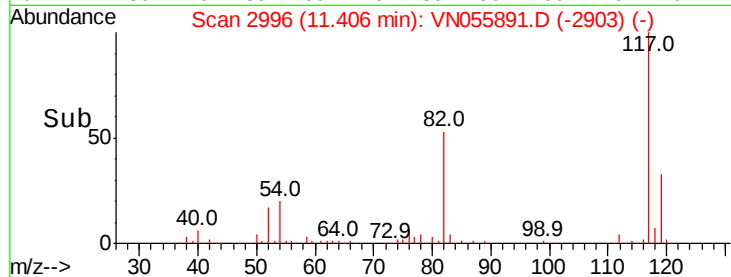
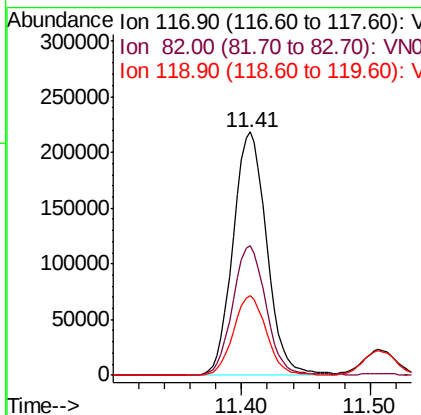
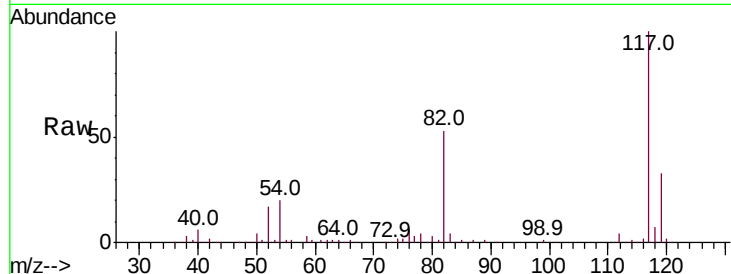
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055891.D
Acq: 30 May 2019 11:18

Instrument :
MSVOA_N
ClientSampleId :
VN0530WBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	397161		
82	53.2	41.8	62.8	
119	32.8	25.4	38.0	

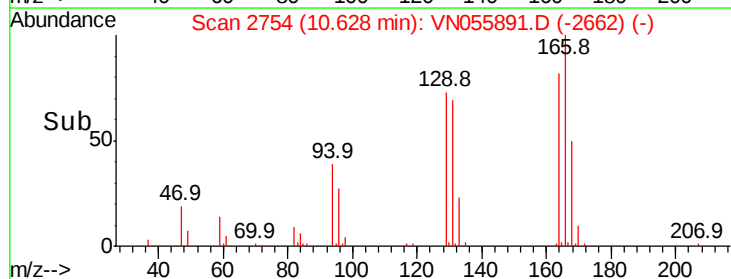
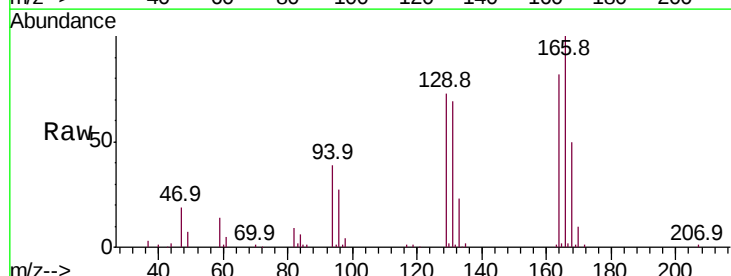
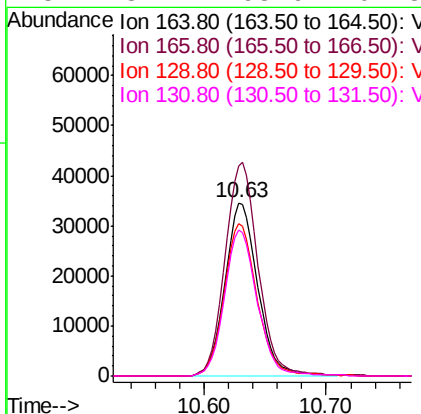
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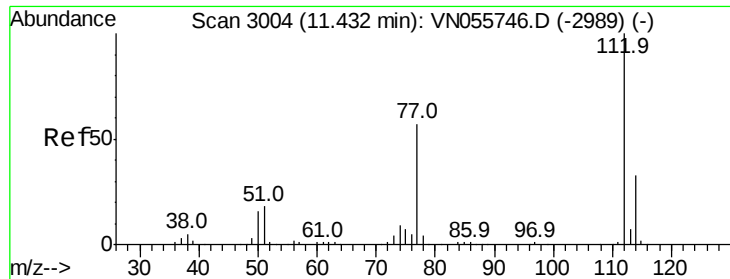
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#64
Tetrachloroethene
Concen: 19.322 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN055891.D
Acq: 30 May 2019 11:18

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	64725		
166	121.7	103.0	154.6	
129	88.3	70.6	105.8	
131	84.2	68.6	102.8	





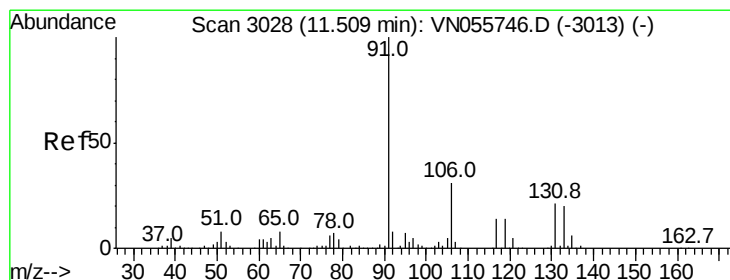
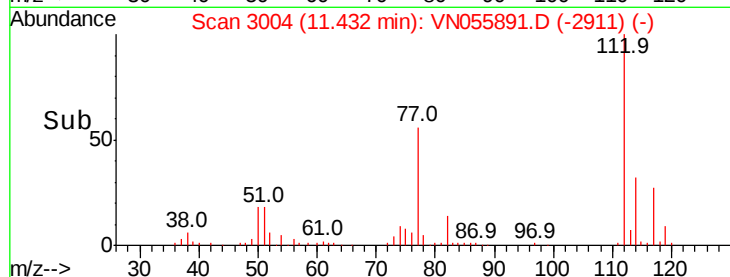
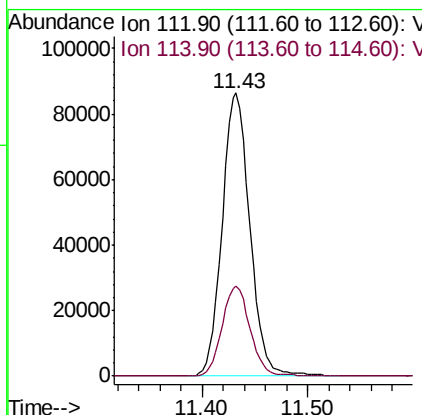
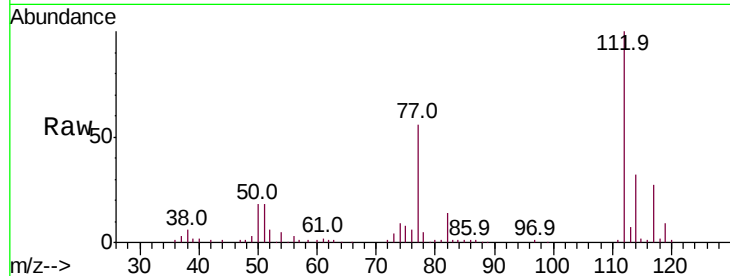
#65
Chlorobenzene
Concen: 19.755 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055891.D
Acq: 30 May 2019 11:18

Instrument :
MSVOA_N
ClientSampled :
VN0530WBS01

Tot Ion:112 Resp: 157068
Ion Ratio Lower Upper
112 100
114 31.9 26.2 39.4

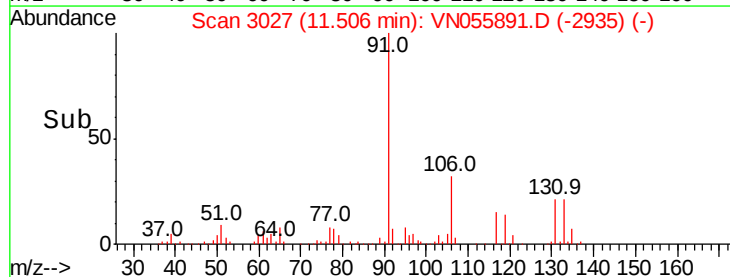
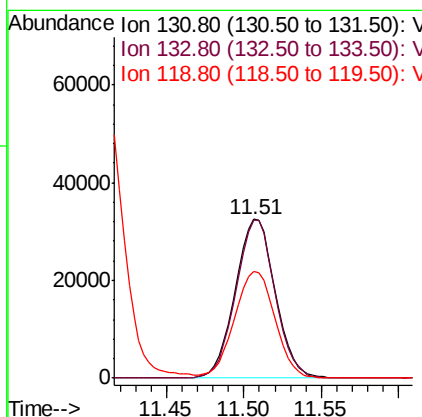
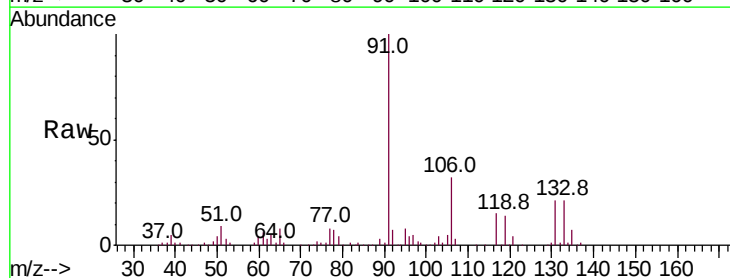
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#66
1,1,1,2-Tetrachloroethane
Concen: 18.441 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN055891.D
Acq: 30 May 2019 11:18

Tgt Ion:131 Resp: 58476
Ion Ratio Lower Upper
131 100
133 97.3 48.0 144.0
119 68.1 33.1 99.5





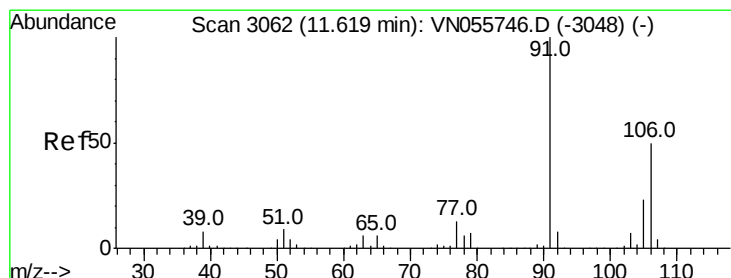
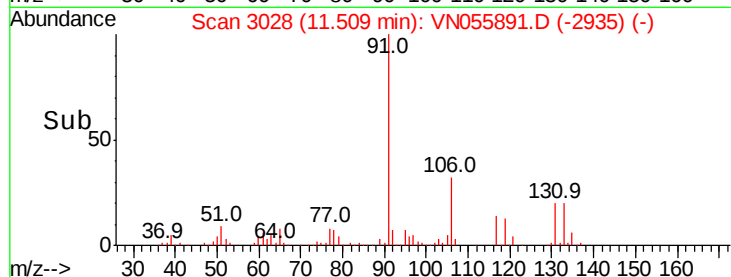
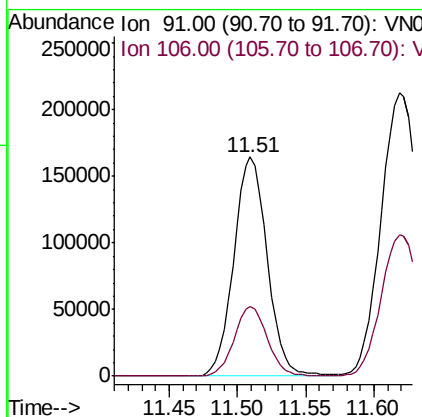
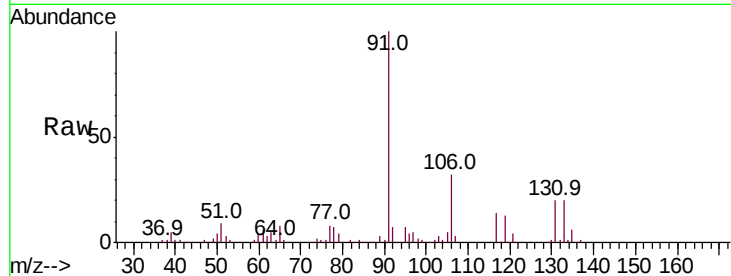
#67
Ethyl Benzene
Concen: 19.670 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055891.D
Acq: 30 May 2019 11:18

Instrument :
MSVOA_N
ClientSampleId :
VN0530WBS01

Tot Ion: 91 Resp: 280453
Ion Ratio Lower Upper
91 100
106 31.8 25.1 37.7

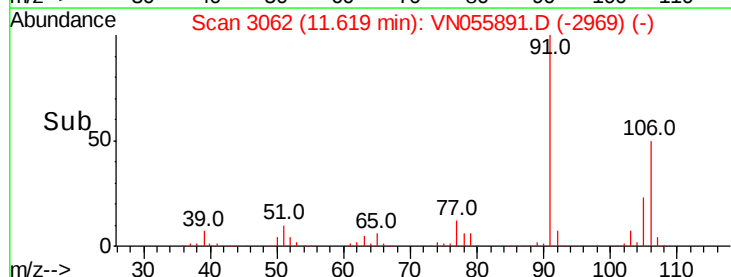
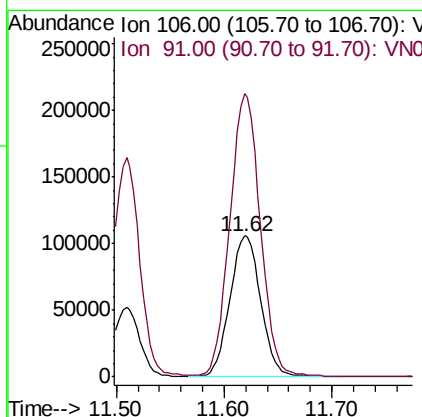
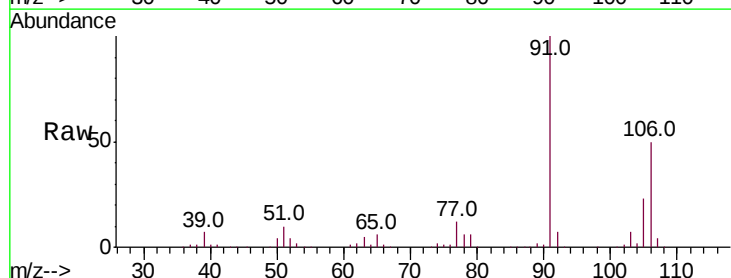
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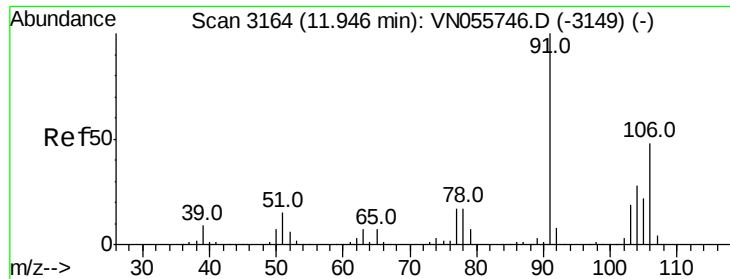
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#68
m/p-Xylenes
Concen: 39.286 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN055891.D
Acq: 30 May 2019 11:18

Tgt Ion: 106 Resp: 211760
Ion Ratio Lower Upper
106 100
91 198.6 159.3 238.9





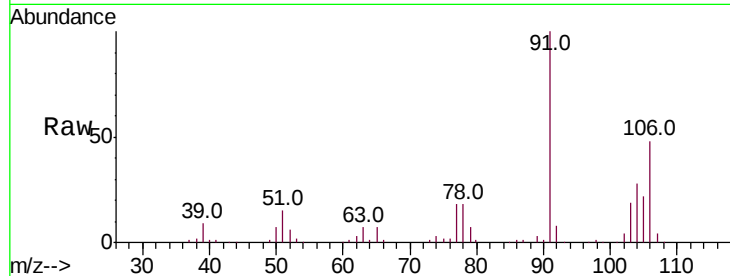
#69
o-Xylene
Concen: 19.816 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055891.D
Acq: 30 May 2019 11:18

Instrument :
MSVOA_N
ClientSampled :
VN0530WBS01

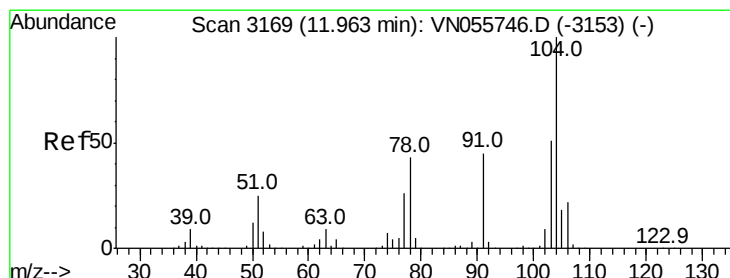
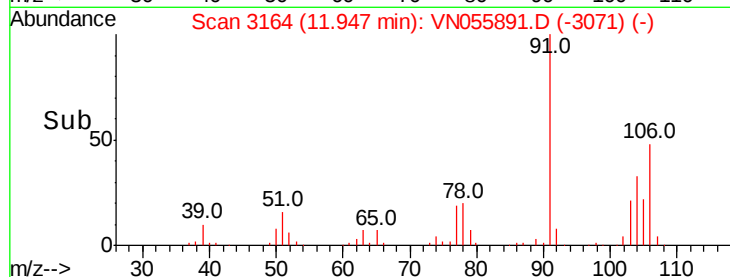
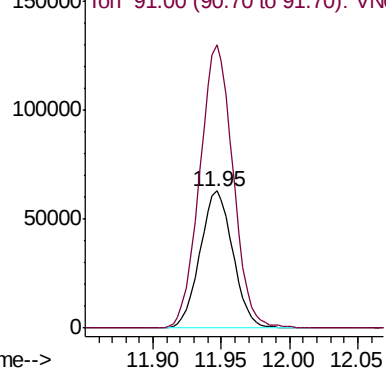
Tot Ion:106 Resp: 105972
Ion Ratio Lower Upper
106 100
91 208.4 104.7 314.1

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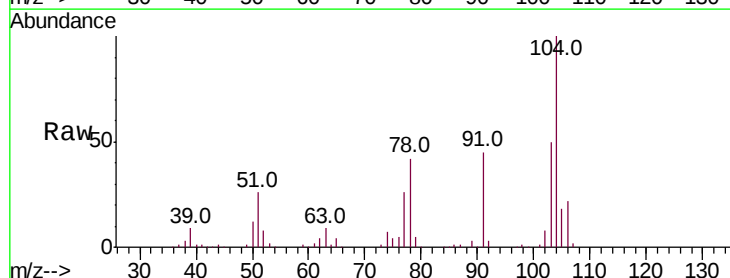


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

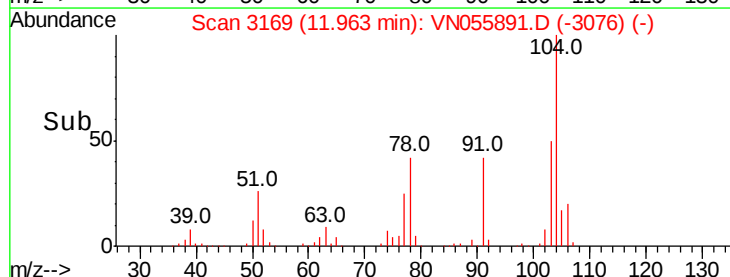
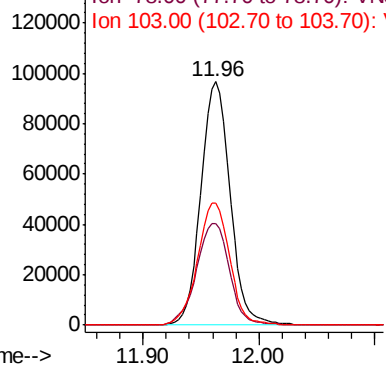


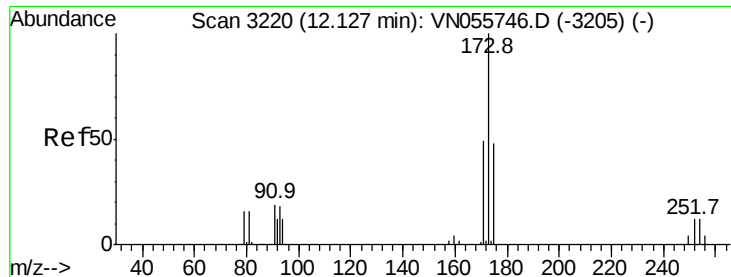
#70
Styrene
Concen: 19.491 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055891.D
Acq: 30 May 2019 11:18

Tgt Ion:104 Resp: 168796
Ion Ratio Lower Upper
104 100
78 47.3 37.8 56.6
103 55.2 44.2 66.2



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 15.577 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN055891.D

Acq: 30 May 2019 11:18

Instrument :

MSVOA_N

ClientSampleId :

VN0530WBS01

Tot Ion:173 Resp: 42132

Ion Ratio Lower Upper

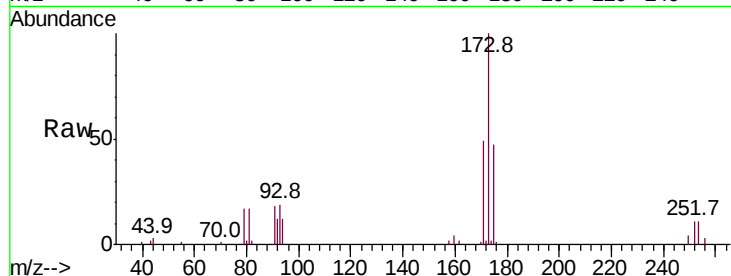
173 100

175 48.3 24.3 72.8

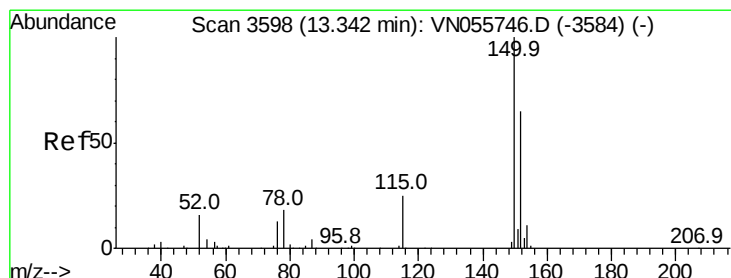
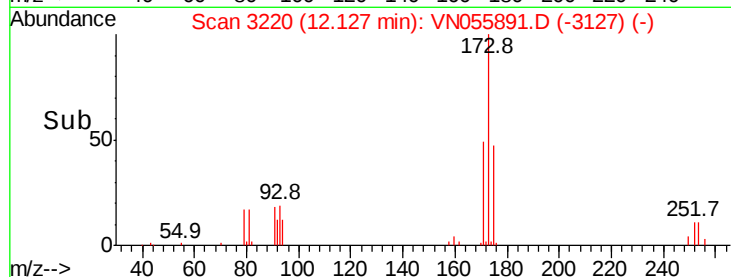
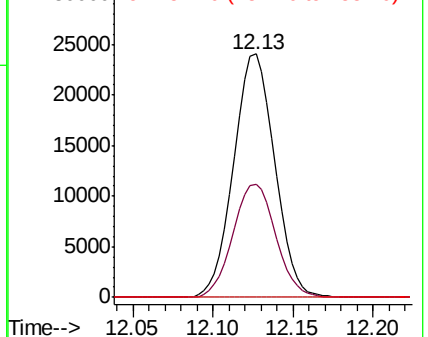
254 0.0 0.0 0.0

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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN055891.D

Acq: 30 May 2019 11:18

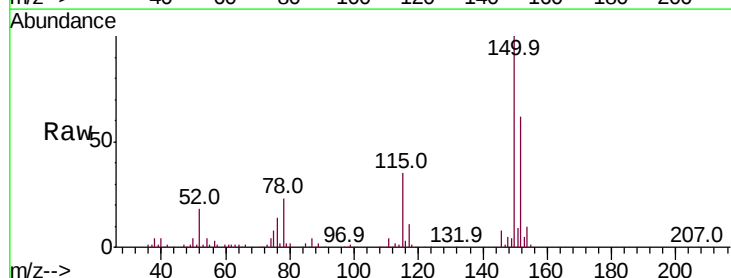
Tgt Ion:152 Resp: 155696

Ion Ratio Lower Upper

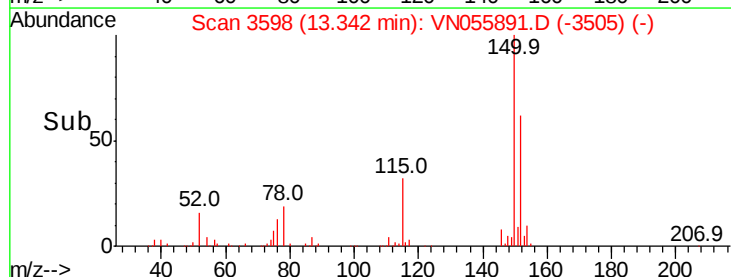
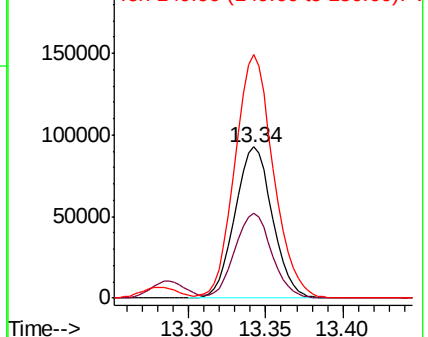
152 100

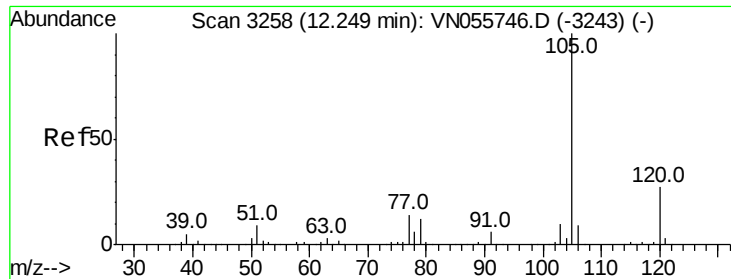
115 55.7 27.0 81.0

150 165.4 0.0 343.2



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





#73

Isopropylbenzene

Concen: 23.661 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN055891.D

Acq: 30 May 2019 11:18

Instrument :

MSVOA_N

ClientSampleId :

VN0530WBS01

Tot Ion:105 Resp: 277616

Ion Ratio Lower Upper

105 100

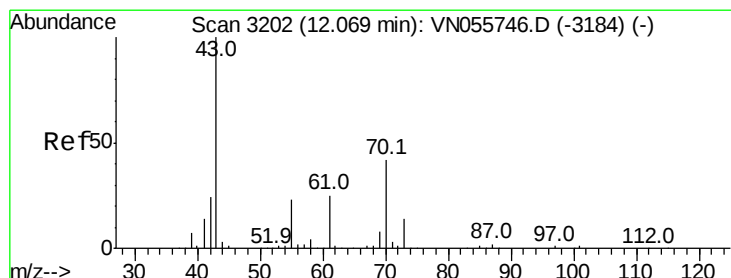
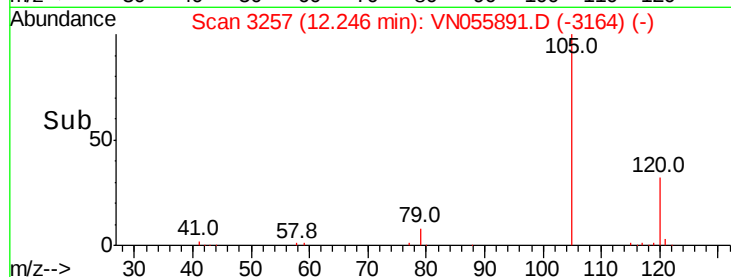
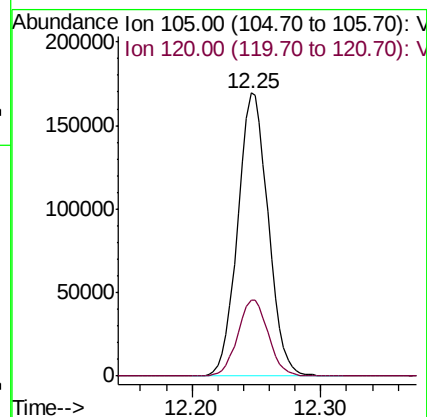
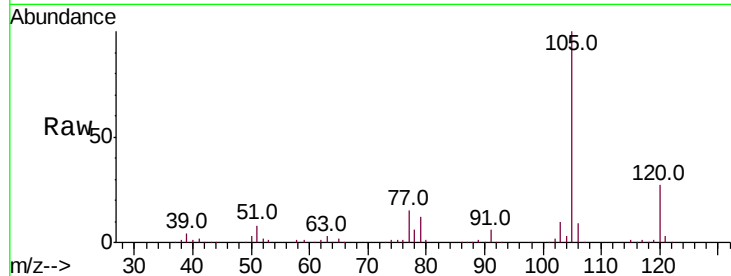
120 27.0 13.6 40.7

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#74

N-ethyl acetate

Concen: 21.642 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055891.D

Acq: 30 May 2019 11:18

Tgt Ion: 43 Resp: 96692

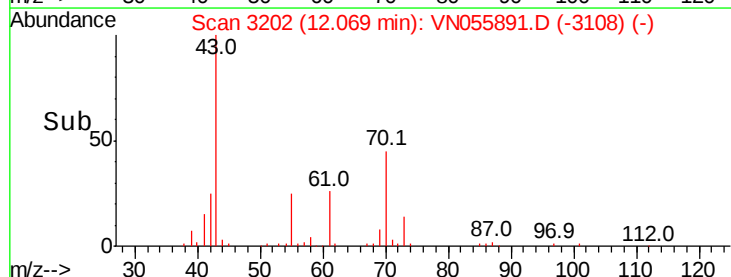
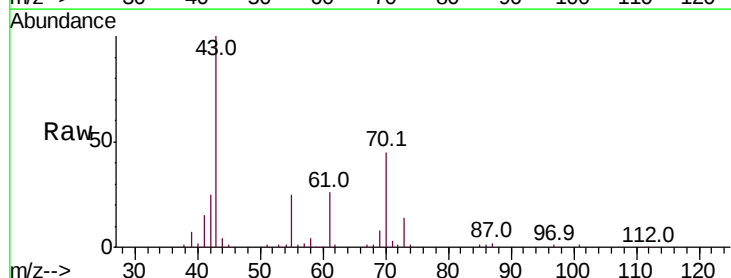
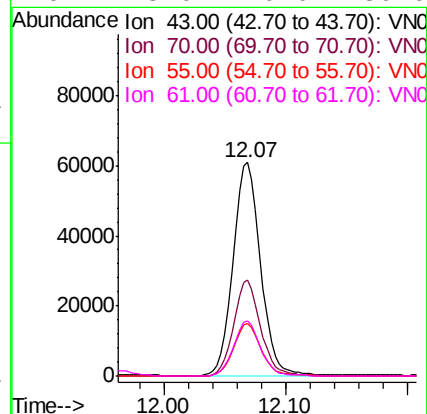
Ion Ratio Lower Upper

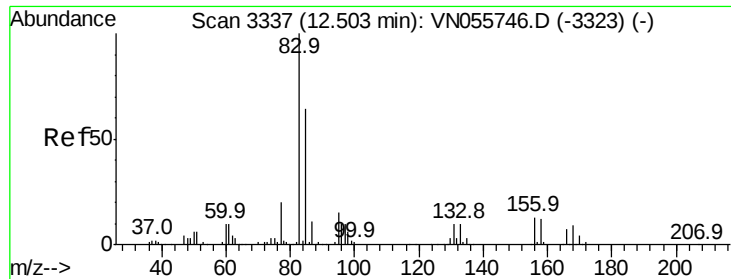
43 100

70 43.7 34.0 51.0

55 24.6 18.6 28.0

61 25.0 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 22.988 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055891.D

Acq: 30 May 2019 11:18

Instrument :

MSVOA_N

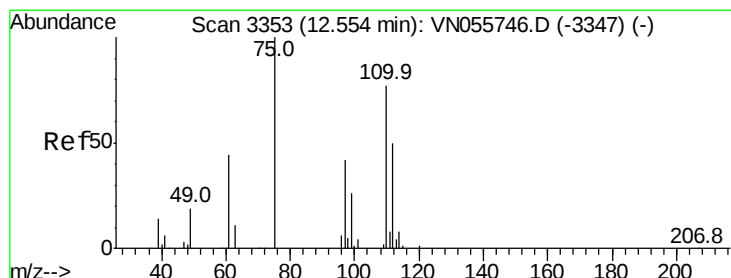
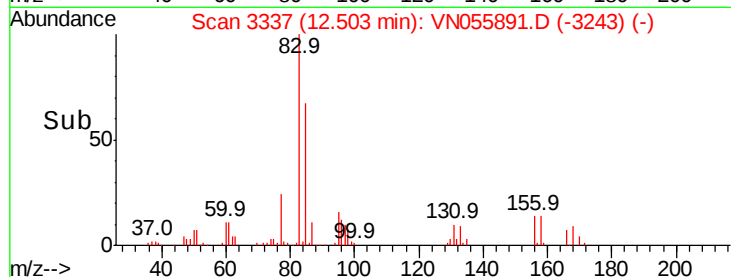
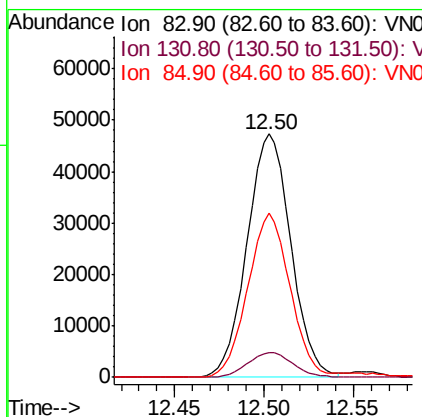
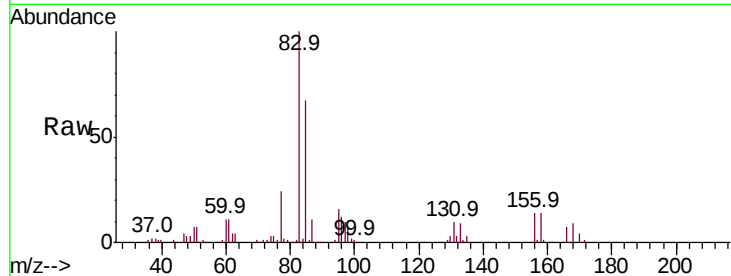
ClientSampleId :

VN0530WBS01

Tot Ion:	83	Resp:	81272
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.4	16.2
85	65.1	32.4	97.0

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#76

1,2,3-Trichloropropane

Concen: 23.726 ug/l m

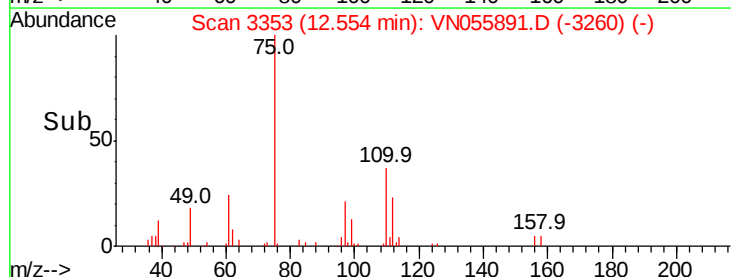
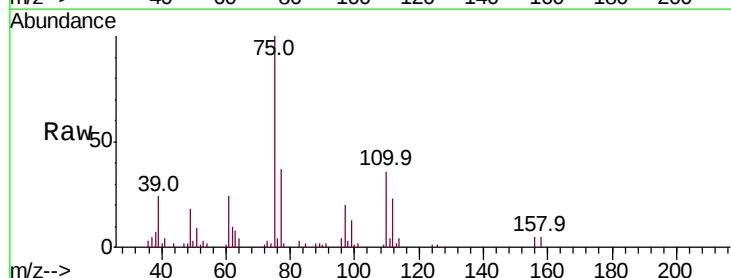
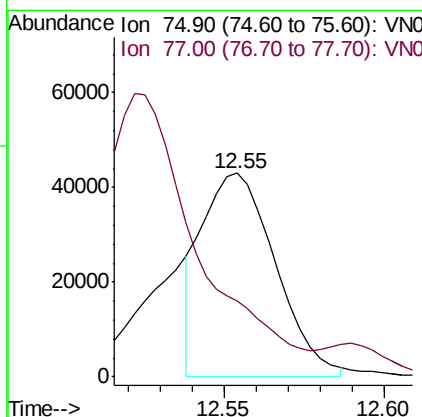
RT: 12.55 min Scan# 3353

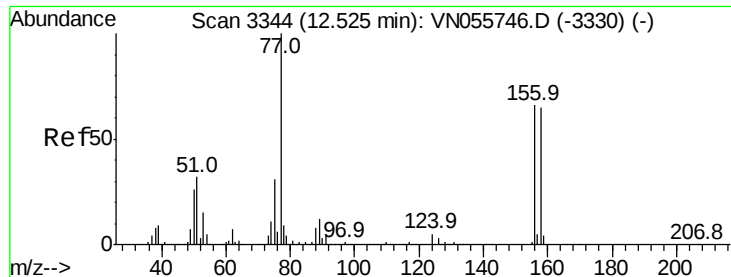
Delta R.T. 0.00 min

Lab File: VN055891.D

Acq: 30 May 2019 11:18

Tgt Ion:	75	Resp:	68045
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.793 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055891.D

Acq: 30 May 2019 11:18

Instrument :

MSVOA_N

ClientSampleId :

VN0530WBS01

Tot Ion:156 Resp: 69082

Ion Ratio Lower Upper

156 100

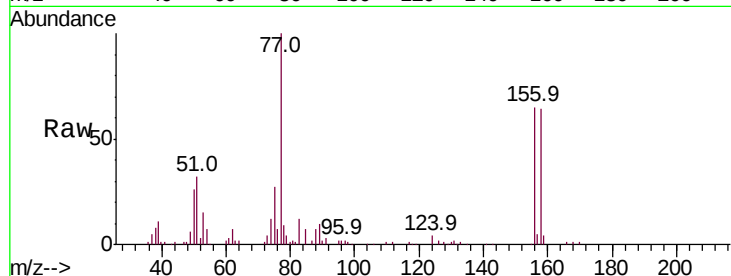
77 186.5 90.8 272.5

158 97.1 49.3 147.8

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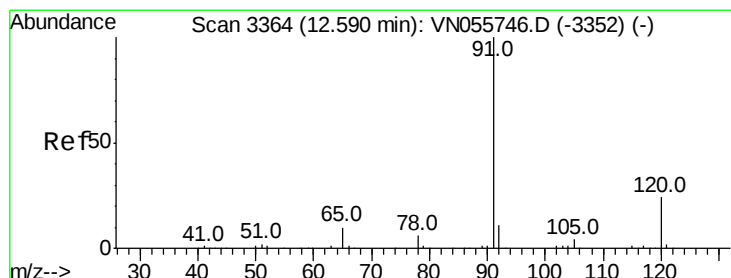
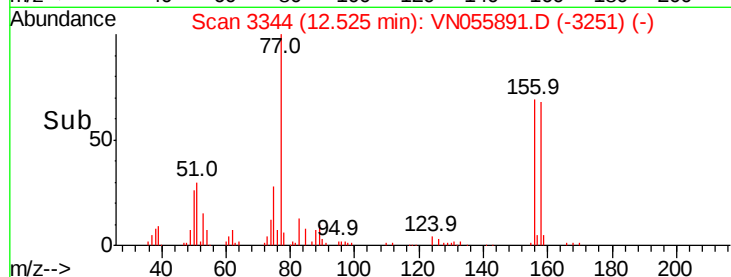
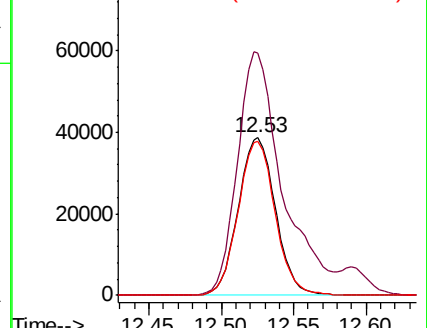
5/31/2019 9:38:14 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.354 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055891.D

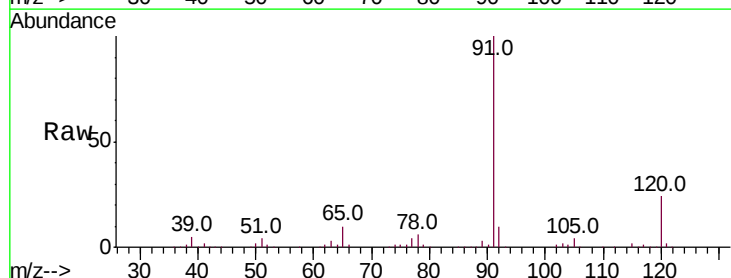
Acq: 30 May 2019 11:18

Tgt Ion: 91 Resp: 288964

Ion Ratio Lower Upper

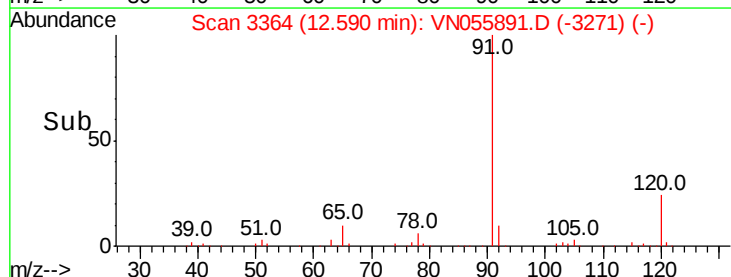
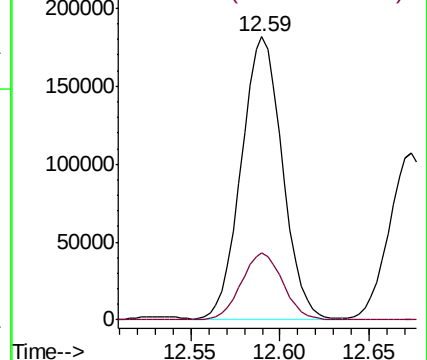
91 100

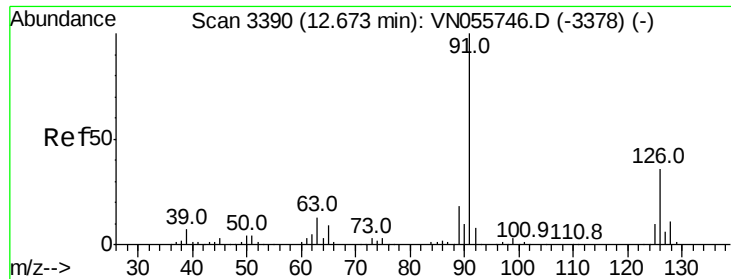
120 24.1 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





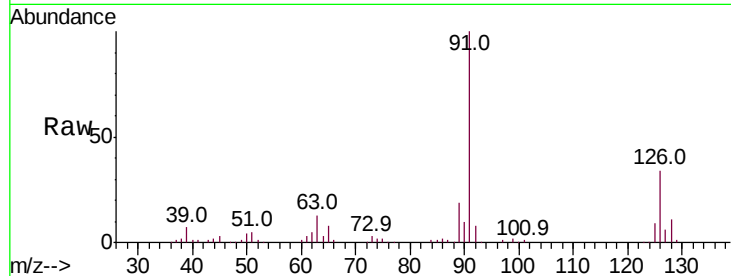
#79
2-Chlorotoluene
Concen: 23.261 ug/l
RT: 12.67 min Scan# 3390
Delta R.T. 0.00 min
Lab File: VN055891.D
Acq: 30 May 2019 11:18

Instrument :
MSVOA_N
ClientSampleId :
VN0530WBS01

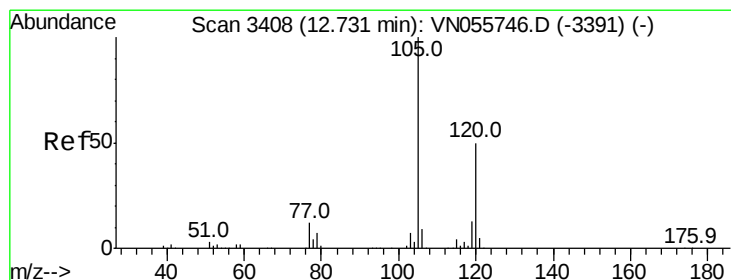
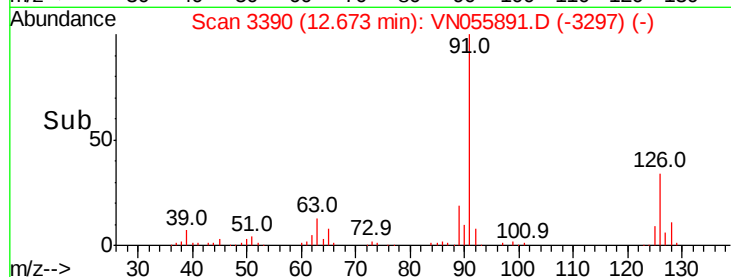
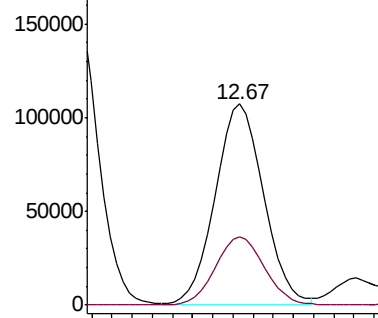
Tot Ion: 91 Resp: 179488
Ion Ratio Lower Upper
91 100
126 34.8 18.1 54.4

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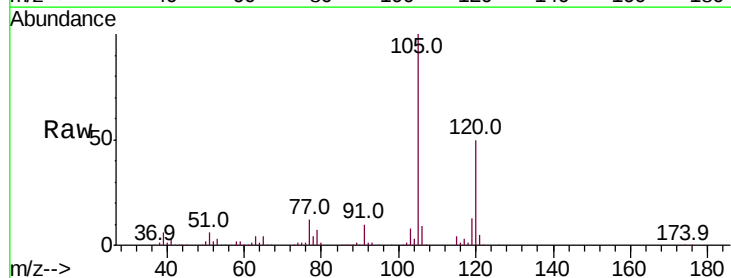


Abundance Ion 91.00 (90.70 to 91.70): VN055891.D (-3378) (-)
Ion 125.90 (125.60 to 126.60): VN055891.D (-3378) (-)

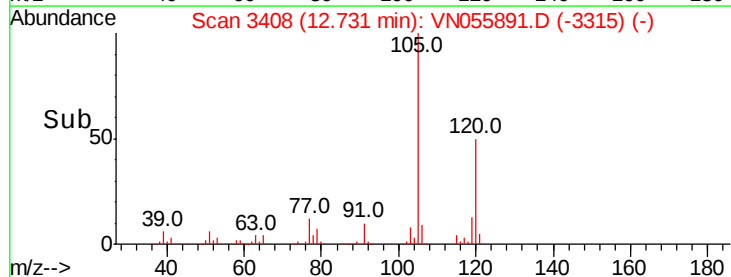
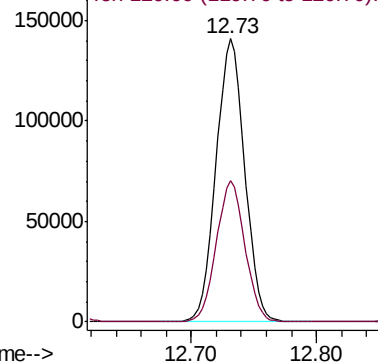


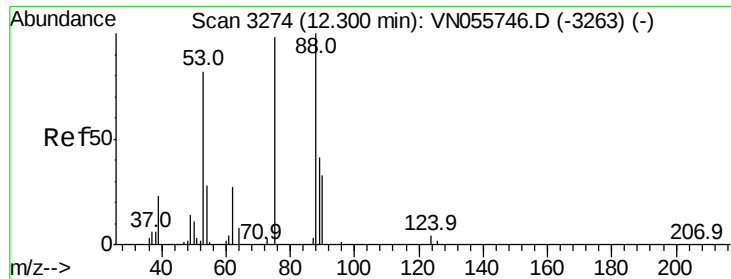
#80
1,3,5-Trimethylbenzene
Concen: 22.644 ug/l
RT: 12.73 min Scan# 3408
Delta R.T. 0.00 min
Lab File: VN055891.D
Acq: 30 May 2019 11:18

Tgt Ion:105 Resp: 224151
Ion Ratio Lower Upper
105 100
120 49.7 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): VN055891.D (-3391) (-)
Ion 120.00 (119.70 to 120.70): VN055891.D (-3391) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 18.304 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055891.D

Acq: 30 May 2019 11:18

Instrument :

MSVOA_N

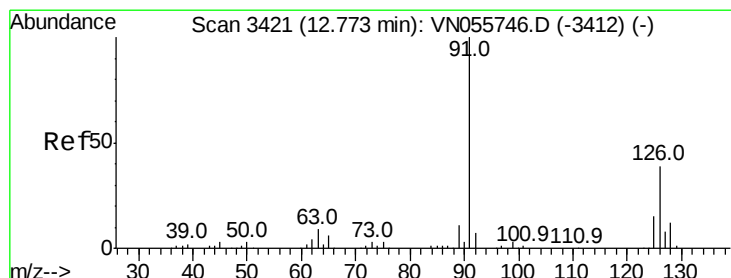
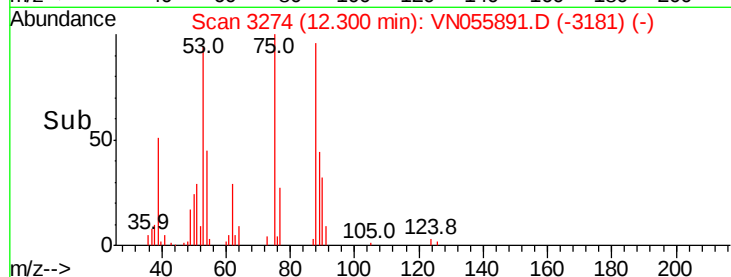
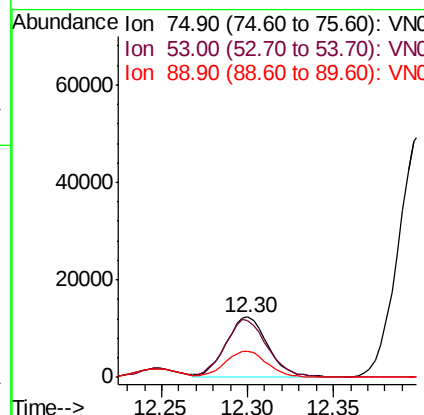
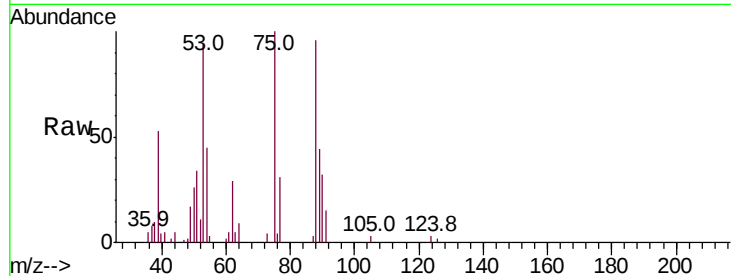
ClientSampleId :

VN0530WBS01

Tot Ion:	75	Resp:	21181
Ion	Ratio	Lower	Upper
75	100		
53	96.5	68.1	102.1
89	43.4	36.9	55.3

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.948 ug/l

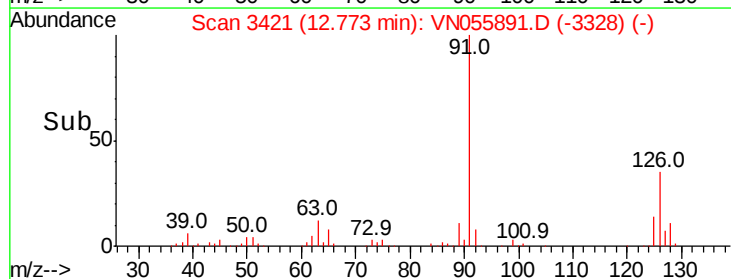
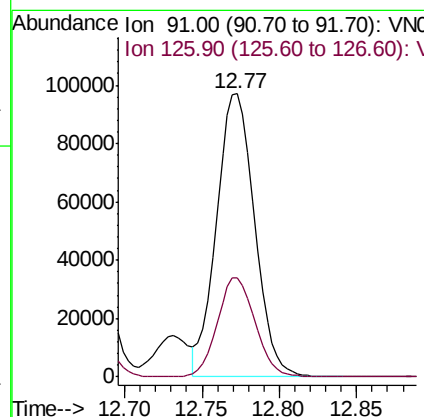
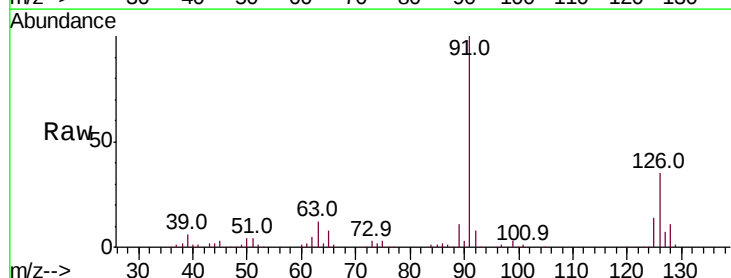
RT: 12.77 min Scan# 3421

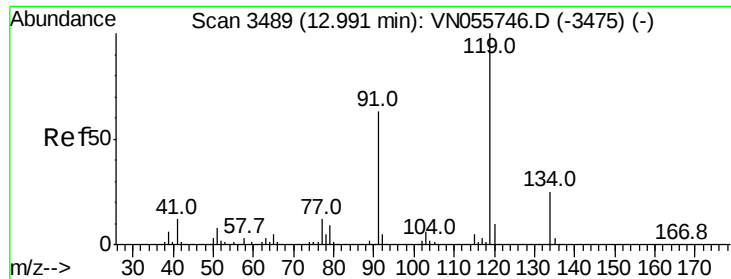
Delta R.T. 0.00 min

Lab File: VN055891.D

Acq: 30 May 2019 11:18

Tgt Ion:	91	Resp:	166628
Ion	Ratio	Lower	Upper
91	100		
126	34.6	17.8	53.3





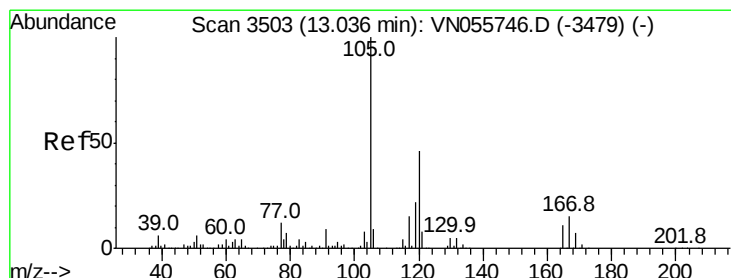
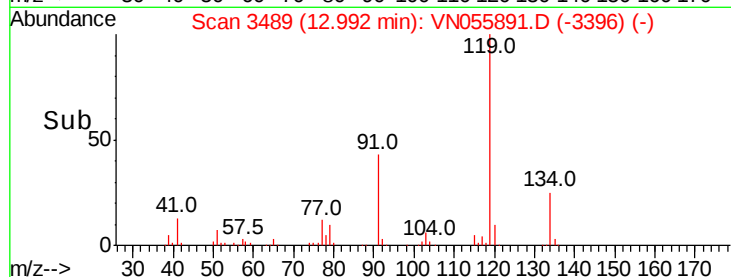
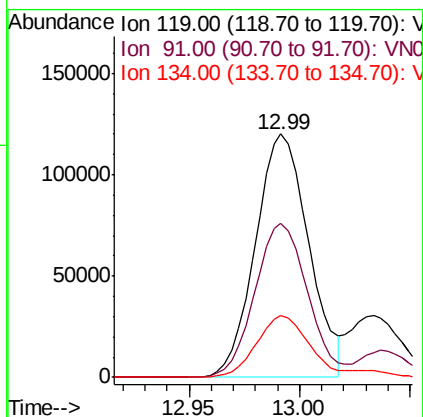
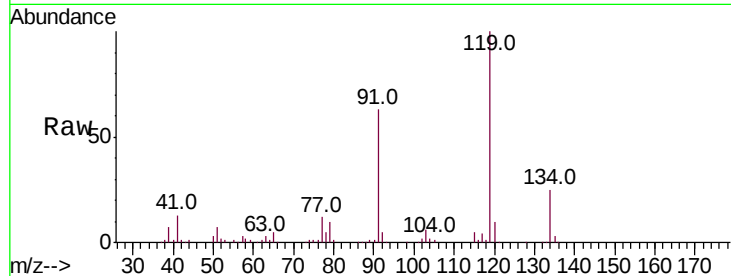
#83
tert-Butylbenzene
Concen: 23.364 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN055891.D
Acq: 30 May 2019 11:18

Instrument :
MSVOA_N
ClientSampleId :
VN0530WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	201265		
91	62.7	30.9	92.8	
134	24.9	13.3	39.8	

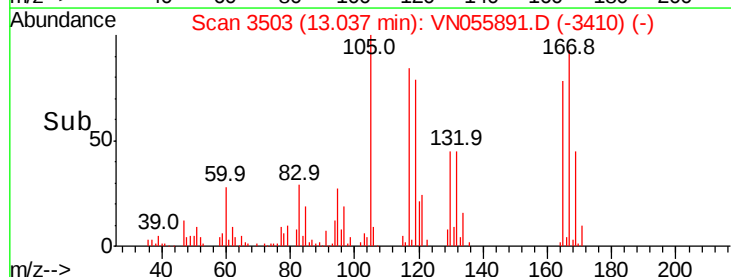
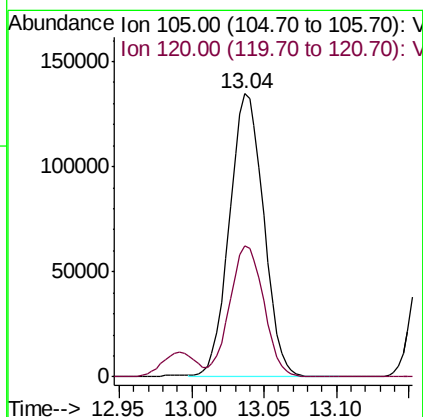
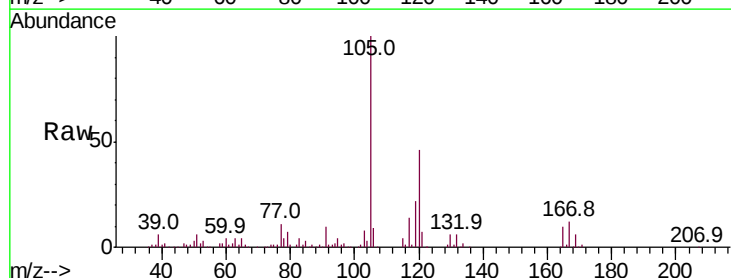
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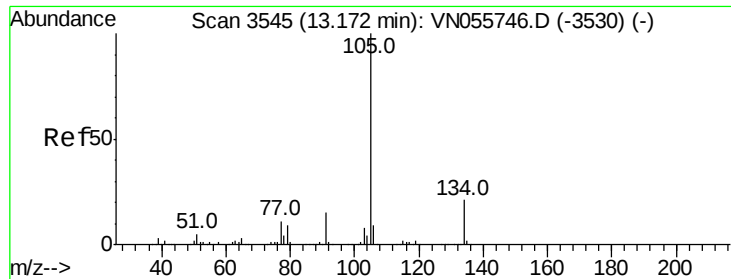
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#84
1,2,4-Trimethylbenzene
Concen: 22.415 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. 0.00 min
Lab File: VN055891.D
Acq: 30 May 2019 11:18

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	220639		
120	46.0	23.0	69.0	





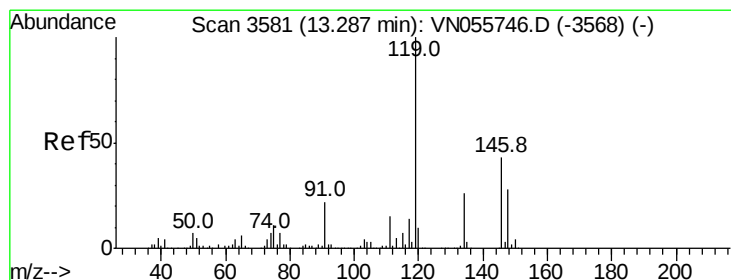
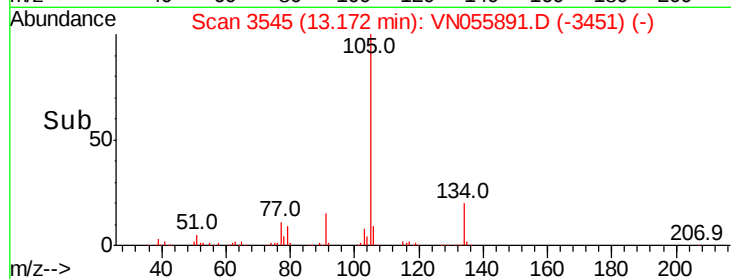
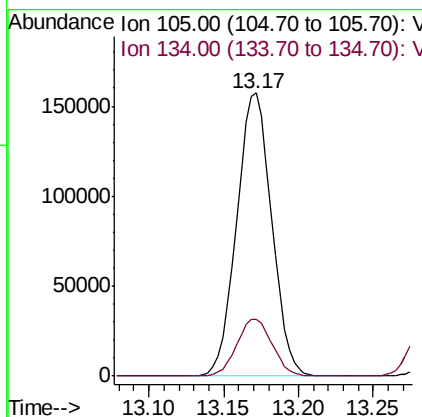
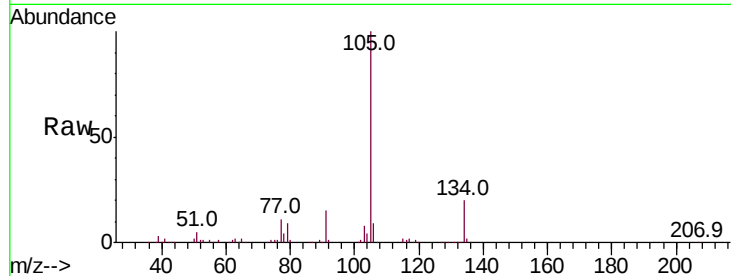
#85
 sec-Butylbenzene
 Concen: 23.139 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN055891.D
 Acq: 30 May 2019 11:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0530WBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	255821		
134	20.5	10.4	31.2	

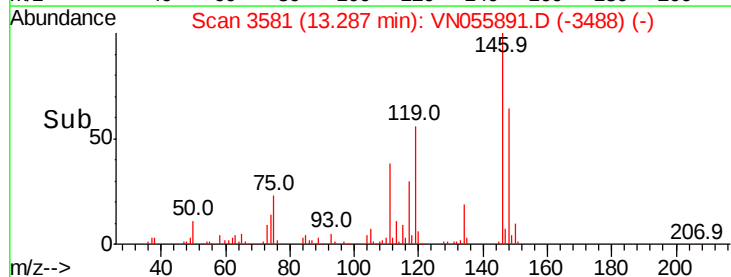
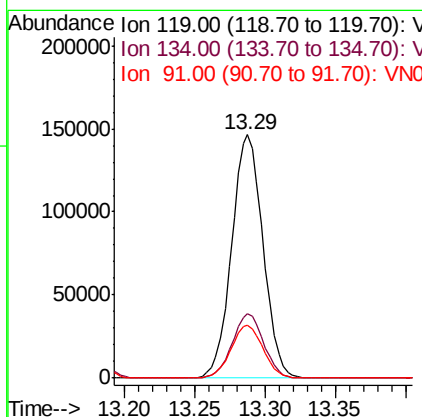
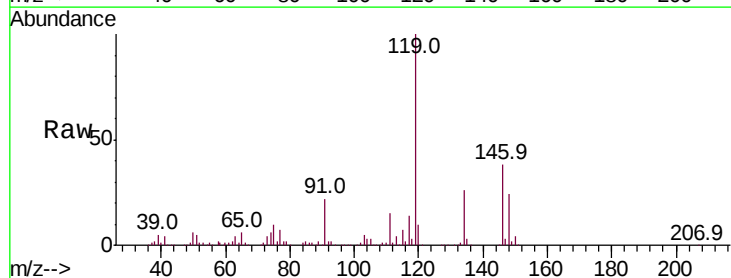
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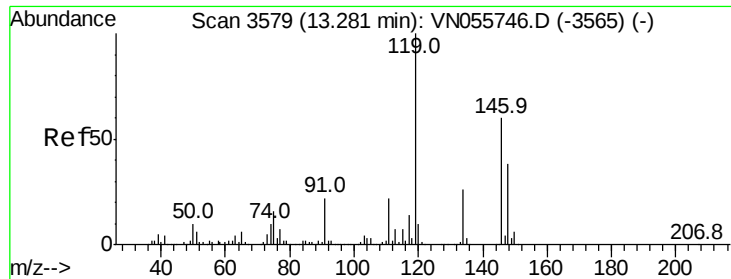
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#86
 p-Isopropyltoluene
 Concen: 21.048 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN055891.D
 Acq: 30 May 2019 11:18

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	227577		
134	26.4	13.4	40.1	
91	22.1	10.9	32.9	





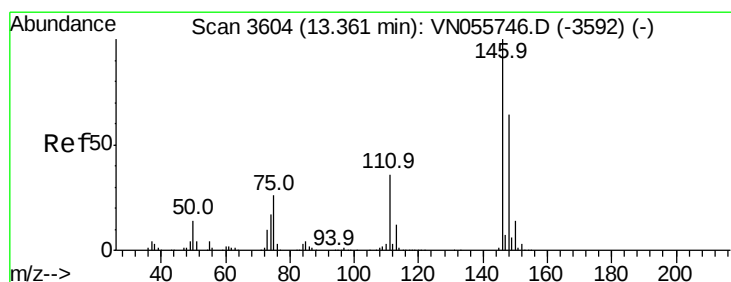
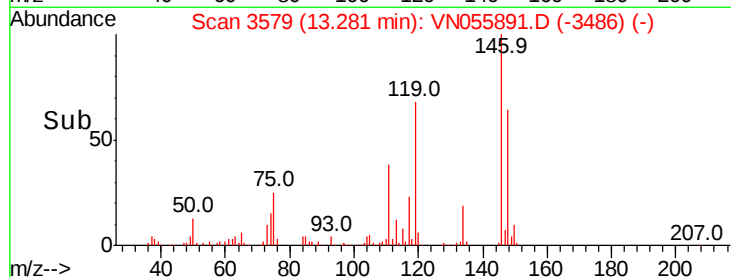
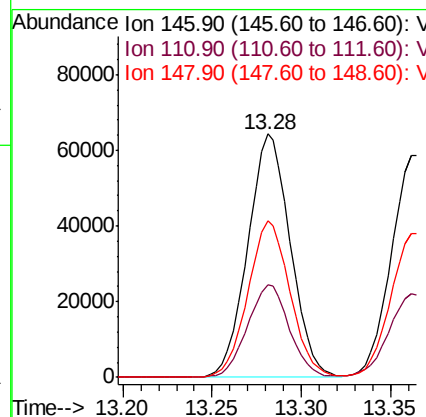
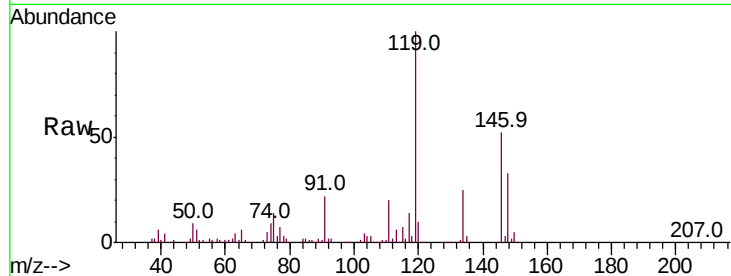
#87
 1,3-Dichlorobenzene
 Concen: 20.393 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055891.D
 Acq: 30 May 2019 11:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0530WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.4	18.5	55.5
148	63.7	32.0	96.2

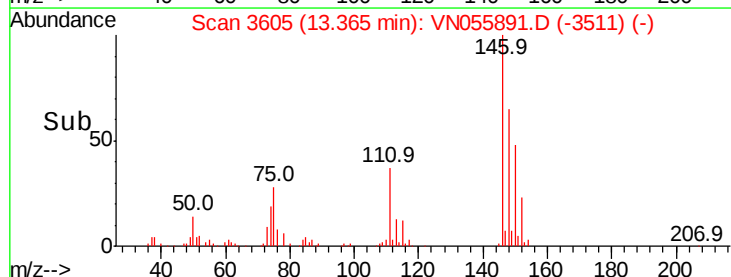
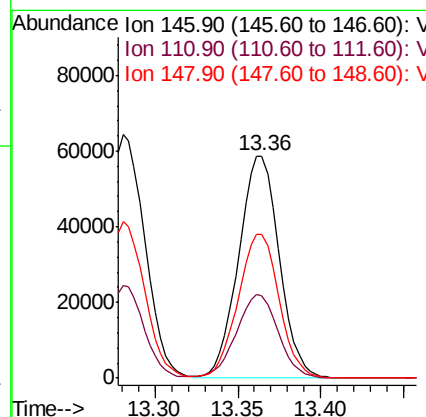
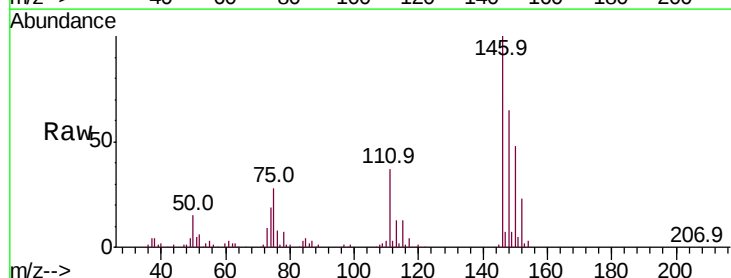
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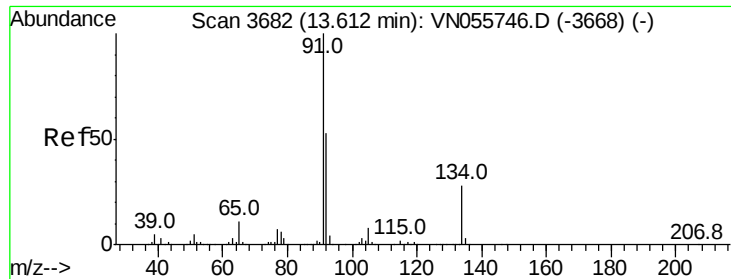
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#88
 1,4-Dichlorobenzene
 Concen: 20.029 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN055891.D
 Acq: 30 May 2019 11:18

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.8	18.1	54.4
148	65.5	32.1	96.5





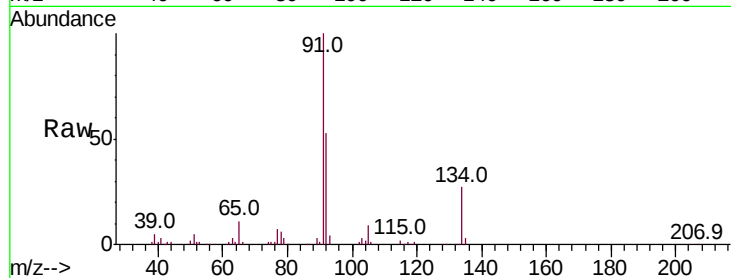
#89
n-Butylbenzene
Concen: 19.924 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055891.D
Acq: 30 May 2019 11:18

Instrument :
MSVOA_N
ClientSampleId :
VN0530WBS01

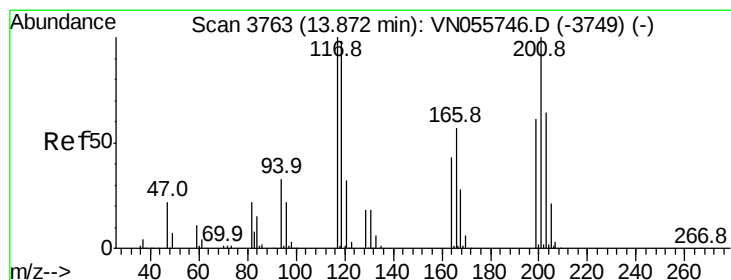
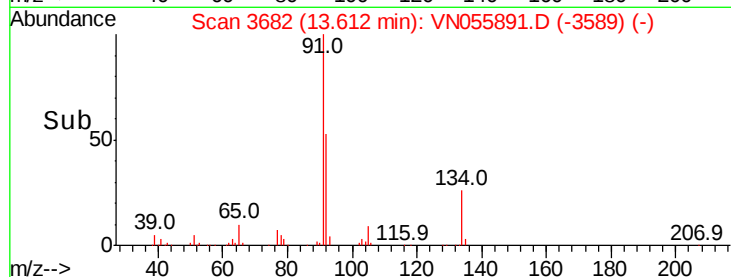
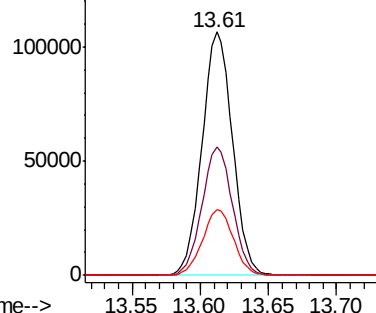
Tot Ion	Ratio	Resp	Lower	Upper
91	100	165061		
92	52.7	26.4	79.0	
134	27.3	13.9	41.7	

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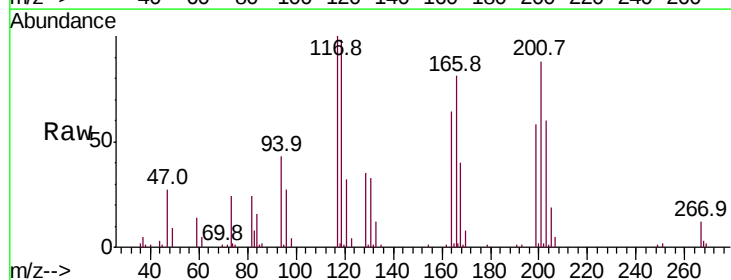


Abundance Ion 91.00 (90.70 to 91.70): VN055746.D (-3668) (-)
Ion 92.00 (91.70 to 92.70): VN055746.D (-3668) (-)
Ion 134.00 (133.70 to 134.70): VN055746.D (-3668) (-)

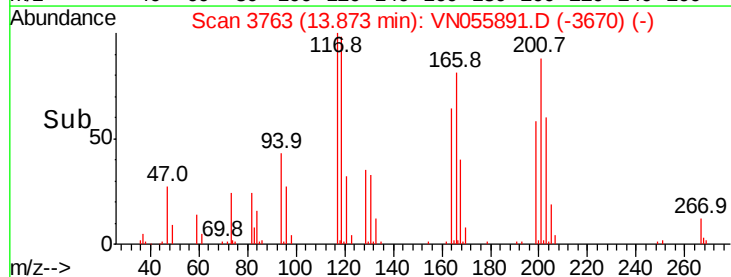
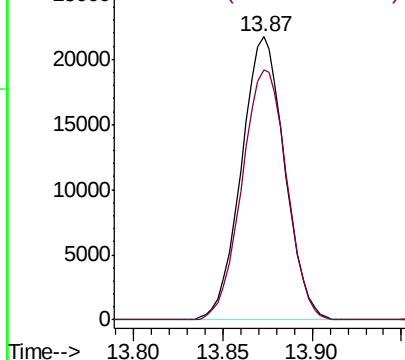


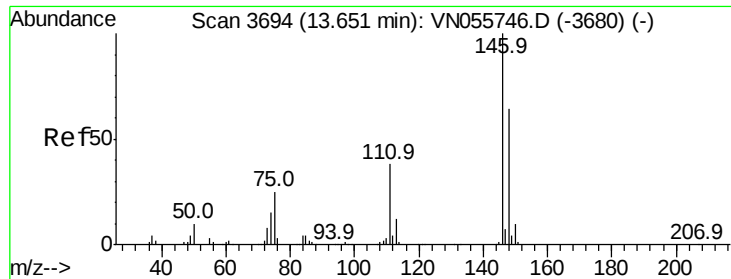
#90
Hexachloroethane
Concen: 17.926 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055891.D
Acq: 30 May 2019 11:18

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	36893		
201	91.1	50.0	150.0	



Abundance Ion 116.80 (116.50 to 117.50): VN055746.D (-3749) (-)
Ion 200.70 (200.40 to 201.40): VN055746.D (-3749) (-)





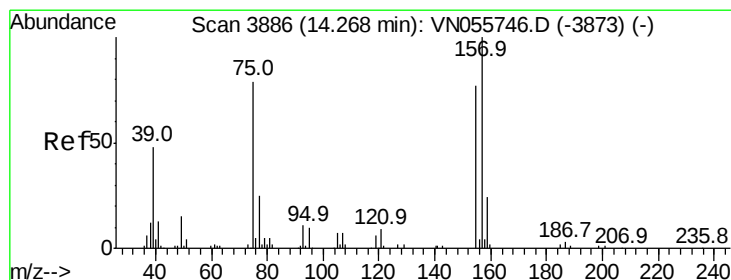
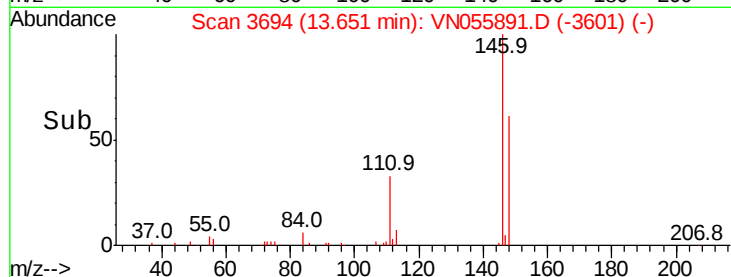
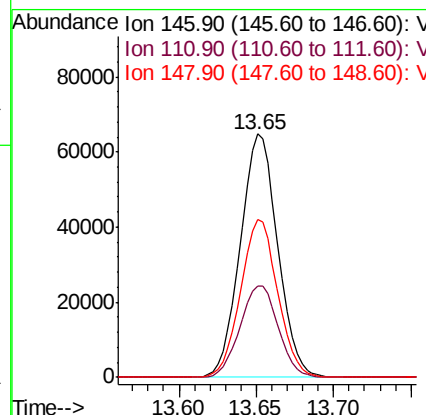
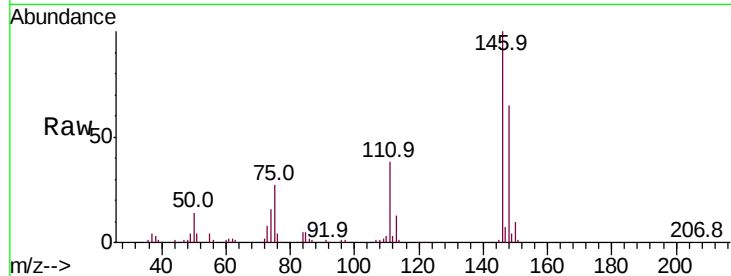
#91
 1,2-Dichlorobenzene
 Concen: 20.727 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN055891.D
 Acq: 30 May 2019 11:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0530WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.1	57.5
148	64.1	31.9	95.9

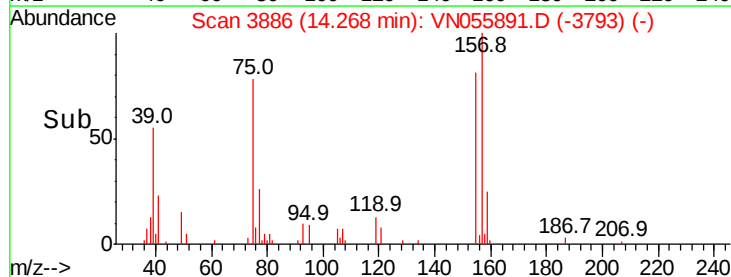
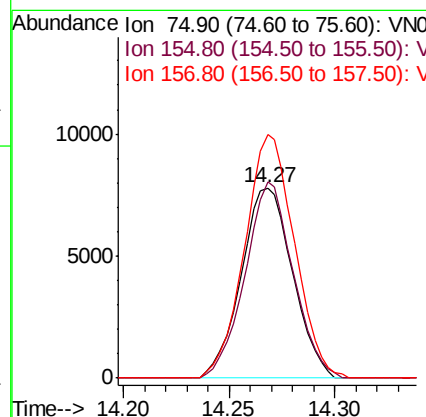
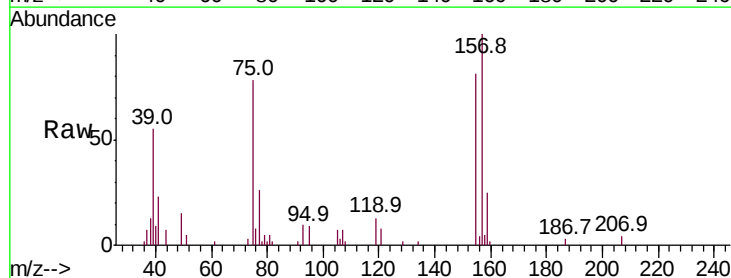
Manual Integrations
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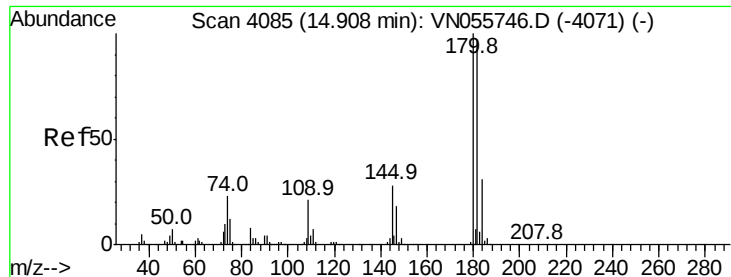
MMDadoda
 5/31/2019 9:38:14 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.079 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN055891.D
 Acq: 30 May 2019 11:18

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.8	50.0	150.1
157	124.3	64.8	194.3





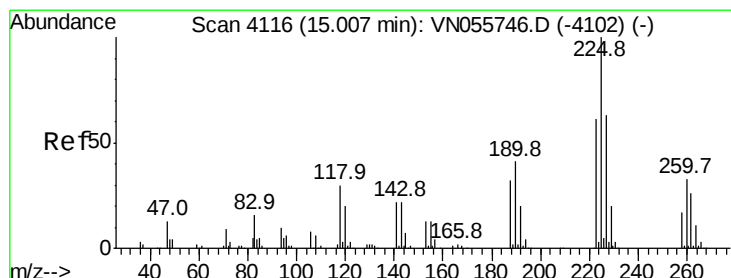
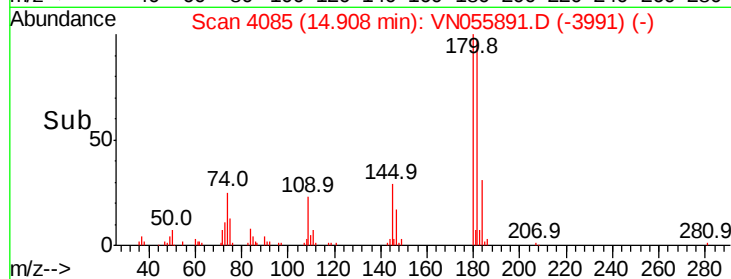
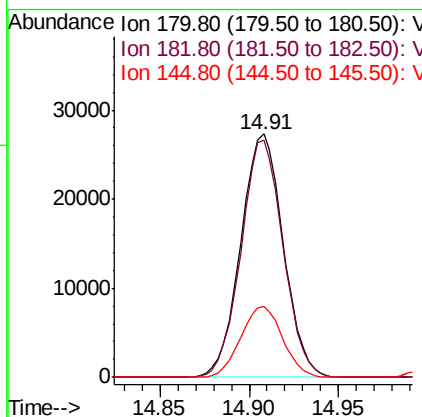
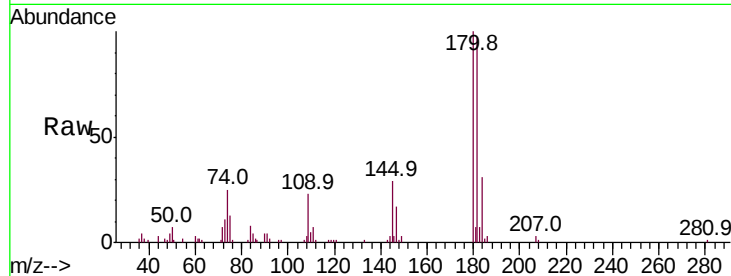
#93
 1,2,4-Trichlorobenzene
 Concen: 17.565 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055891.D
 Acq: 30 May 2019 11:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0530WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.4	48.3	144.9
145	28.6	14.0	41.9

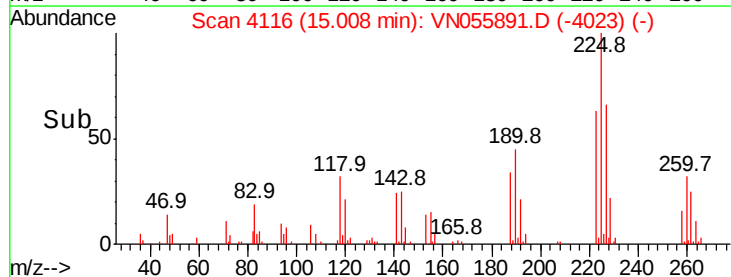
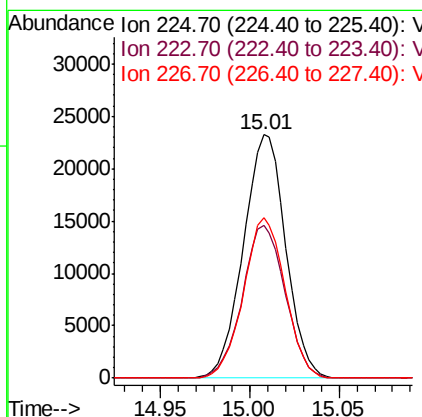
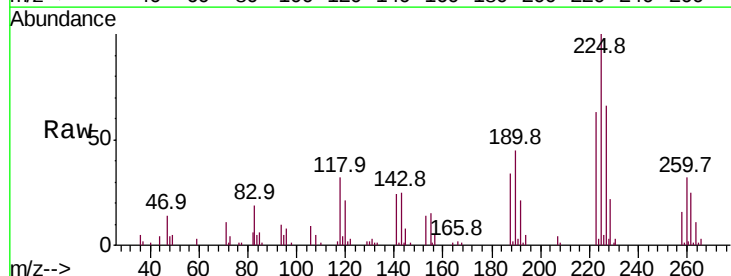
Manual Integrations
 APPROVED

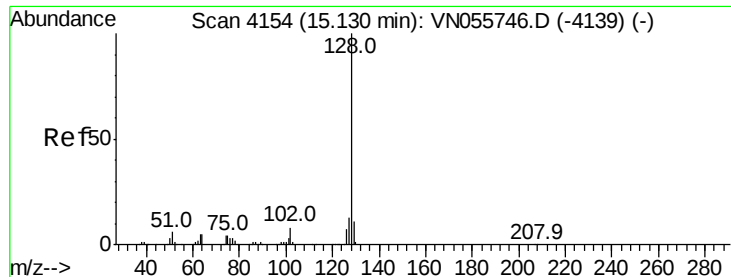
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 5/31/2019 9:38:14 AM



#94
 Hexachlorobutadiene
 Concen: 19.716 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055891.D
 Acq: 30 May 2019 11:18

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.4	30.9	92.7
227	64.7	31.6	94.7





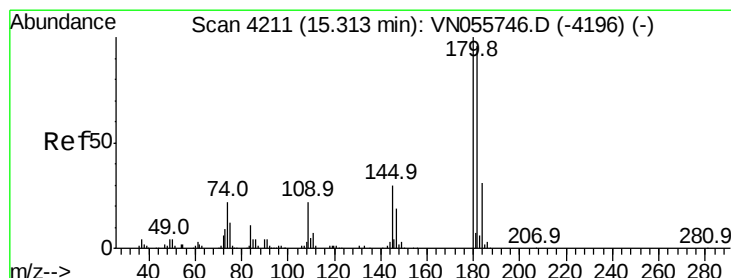
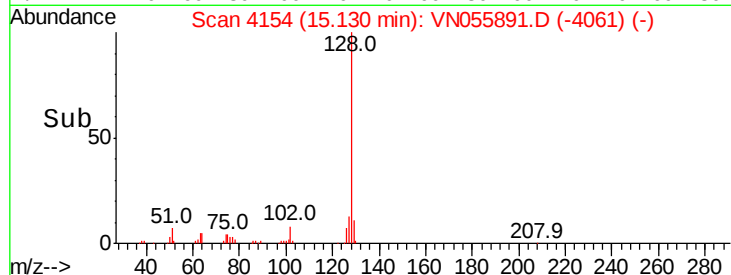
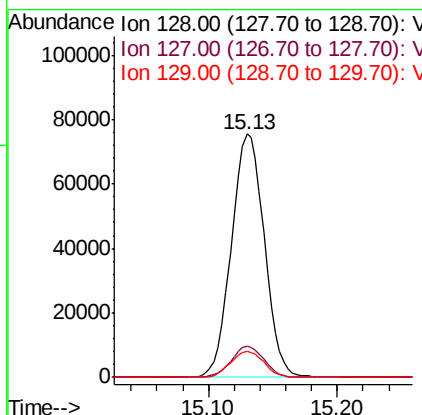
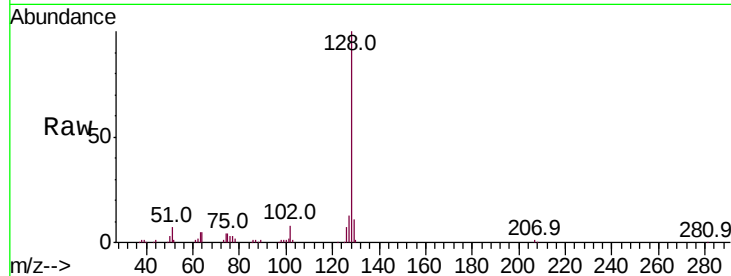
#95
Naphthalene
Concen: 18.565 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN055891.D
Acq: 30 May 2019 11:18

Instrument :
MSVOA_N
ClientSampleId :
VN0530WBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	133711		
127	12.7	10.3	15.5	
129	10.8	8.7	13.1	

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 18.615 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN055891.D
Acq: 30 May 2019 11:18

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	51648		
182	95.5	47.9	143.7	
145	29.4	14.9	44.7	

