

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050119\
 Data File : VN055324.D
 Acq On : 1 May 2019 13:02
 Operator : JC/SP
 Sample : VN0501WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0501WBSD01

Manual Integrations
 APPROVED

MMDadoda
 5/2/2019 9:35:41 AM

Quant Time: May 02 08:30:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 30 07:16:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	362708	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	600934	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	510877	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	191267	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	249924	52.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.34%	
35) Dibromofluoromethane	7.59	113	200446	50.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.64%	
50) Toluene-d8	10.09	98	724194	50.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.70%	
62) 4-Bromofluorobenzene	12.40	95	228897	51.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	91484	20.586	ug/l	99
3) Chloromethane	2.06	50	109999	19.990	ug/l	98
4) Vinyl Chloride	2.19	62	87657	19.762	ug/l	98
5) Bromomethane	2.56	94	47413	20.180	ug/l	99
6) Chloroethane	2.70	64	47725	19.861	ug/l	99
7) Trichlorofluoromethane	3.02	101	125718	19.932	ug/l	99
8) Diethyl Ether	3.41	74	46052	20.869	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	74216	19.760	ug/l	99
10) Methyl Iodide	3.95	142	105159	19.895	ug/l	100
11) Tert butyl alcohol	4.79	59	30413	111.950	ug/l	99
12) 1,1-Dichloroethene	3.74	96	72289	20.176	ug/l	96
13) Acrolein	3.61	56	21068	99.302	ug/l	95
14) Allyl chloride	4.33	41	148110	19.959	ug/l	100
15) Acrylonitrile	4.99	53	168621	110.426	ug/l	99
16) Acetone	3.82	43	135461	91.621	ug/l	97
17) Carbon Disulfide	4.06	76	175934	18.815	ug/l	98
18) Methyl Acetate	4.33	43	86604	23.497	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	214946	21.340	ug/l	98
20) Methylene Chloride	4.55	84	88271	19.560	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	76373	20.127	ug/l	90
22) Diisopropyl ether	5.95	45	310502	21.059	ug/l	97
23) Vinyl Acetate	5.90	43	1048325	108.486	ug/l	100
24) 1,1-Dichloroethane	5.85	63	161723	20.586	ug/l	99
25) 2-Butanone	6.84	43	199347	105.430	ug/l	98
26) 2,2-Dichloropropane	6.83	77	105955	19.532	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	90482	20.968	ug/l	99
28) Bromochloromethane	7.19	49	85688	21.639	ug/l	97
29) Tetrahydrofuran	7.21	42	137027	113.177	ug/l	99
30) Chloroform	7.37	83	154372	20.730	ug/l	99
31) Cyclohexane	7.65	56	142751	19.126	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	122105	20.203	ug/l	99
36) 1,1-Dichloropropene	7.79	75	107040	18.596	ug/l	98
37) Ethyl Acetate	6.93	43	90503	20.515	ug/l	99
38) Carbon Tetrachloride	7.77	117	103149	18.577	ug/l	98

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	117863	19.259	ug/l	99
40) Benzene	8.04	78	336084	19.807	ug/l	100
41) Methacrylonitrile	7.17	41	43966	18.882	ug/l	92
42) 1,2-Dichloroethane	8.12	62	121969	20.295	ug/l	100
43) Isopropyl Acetate	8.17	43	159487	22.496	ug/l	99
44) Trichloroethene	8.83	130	82855	19.154	ug/l	98
45) 1,2-Dichloropropane	9.12	63	98399	20.106	ug/l	98
46) Dibromomethane	9.21	93	54876	20.514	ug/l	99
47) Bromodichloromethane	9.40	83	115238	20.080	ug/l	100
48) Methyl methacrylate	9.20	41	70833	20.324	ug/l	96
49) 1,4-Dioxane	9.20	88	15862	440.268	ug/l	95
51) 4-Methyl-2-Pentanone	9.99	43	425762	106.666	ug/l	99
52) Toluene	10.16	92	194551	19.983	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	101992	20.473	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	126702	20.398	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	76227	21.084	ug/l	98
56) Ethyl methacrylate	10.43	69	95222	21.399	ug/l	99
57) 1,3-Dichloropropane	10.71	76	130502	20.576	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	125741	98.936	ug/l	97
59) 2-Hexanone	10.75	43	269283	107.824	ug/l	98
60) Dibromochloromethane	10.90	129	75728	20.494	ug/l	97
61) 1,2-Dibromoethane	11.00	107	69459	20.786	ug/l	97
64) Tetrachloroethene	10.63	164	81872	19.597	ug/l	94
65) Chlorobenzene	11.43	112	197422	19.765	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.51	131	78139	19.979	ug/l	98
67) Ethyl Benzene	11.51	91	365463	20.262	ug/l	98
68) m/p-Xylenes	11.62	106	263892	40.989	ug/l	97
69) o-Xylene	11.95	106	129882	20.354	ug/l	100
70) Styrene	11.96	104	207774	21.206	ug/l	100
71) Bromoform	12.13	173	45659	21.039	ug/l #	98
73) Isopropylbenzene	12.25	105	346964	20.962	ug/l	98
74) N-amyl acetate	12.07	43	102866	20.956	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	93775	23.030	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	83455m	22.068	ug/l	
77) Bromobenzene	12.53	156	82455	21.334	ug/l	99
78) n-propylbenzene	12.59	91	376030	19.139	ug/l	100
79) 2-Chlorotoluene	12.67	91	233838	21.015	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	286486	19.106	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	20287	20.100	ug/l	90
82) 4-Chlorotoluene	12.77	91	217219	19.015	ug/l	99
83) tert-Butylbenzene	12.99	119	243430	21.263	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	269001	20.059	ug/l	99
85) sec-Butylbenzene	13.17	105	313012	19.206	ug/l	99
86) p-Isopropyltoluene	13.29	119	260662	19.459	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	126796	19.811	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	119931	19.898	ug/l	99
89) n-Butylbenzene	13.61	91	180362	18.948	ug/l	99
90) Hexachloroethane	13.87	117	45622	20.583	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	126980	20.017	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	11956	23.760	ug/l	90

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ClientSampleId :
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Quant Title : SW846 8260
QLast Update : Tue Apr 30 07:16:52 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	36524	16.948	ug/l	99
94) Hexachlorobutadiene	15.01	225	44290	21.614	ug/l	94
95) Naphthalene	15.13	128	77197	16.882	ug/l	98
96) 1,2,3-Trichlorobenzene	15.31	180	41906	18.739	ug/l	97

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

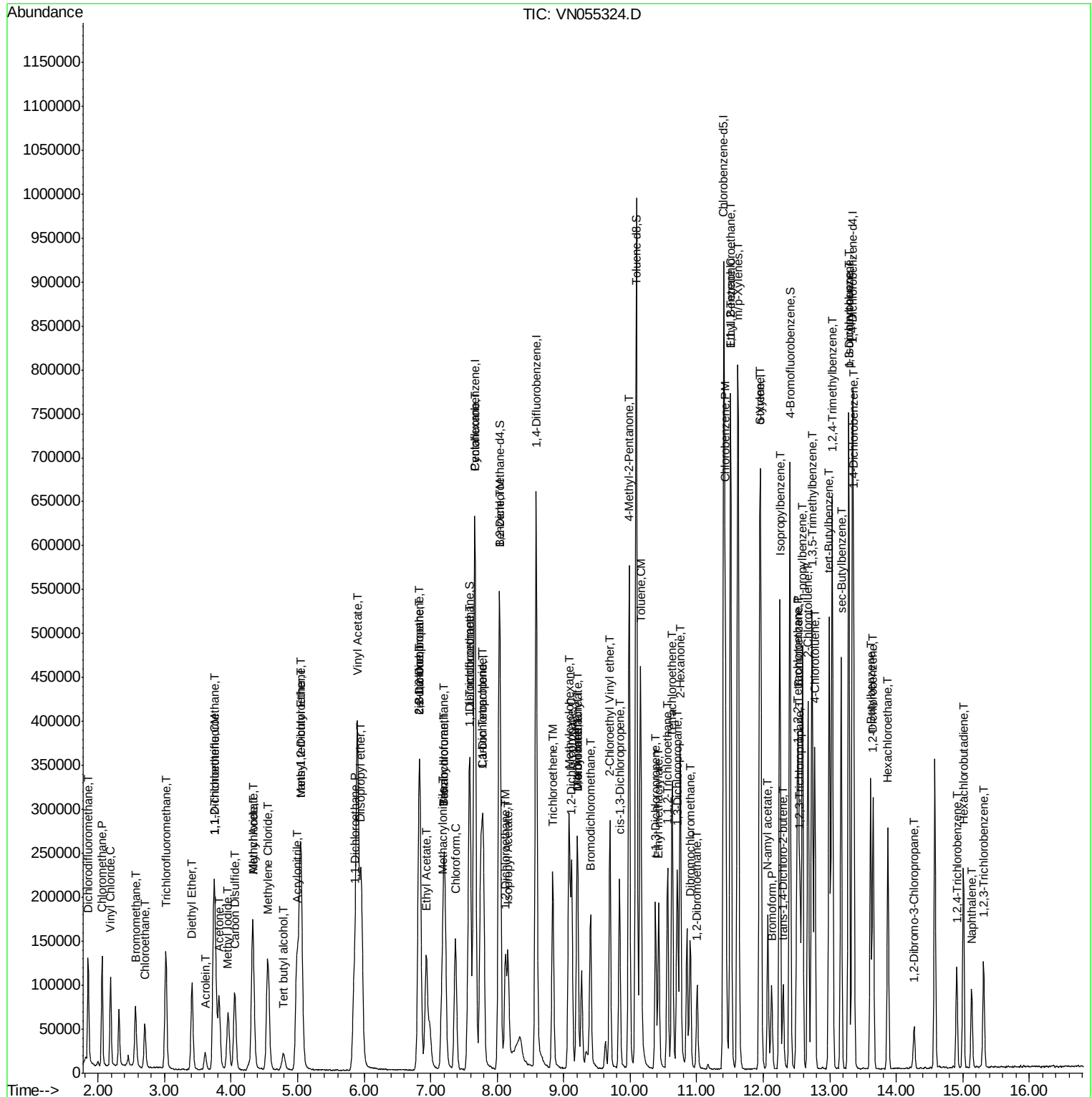
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Data File : VN055324.D
Acq On : 1 May 2019 13:02
Operator : JC/SP
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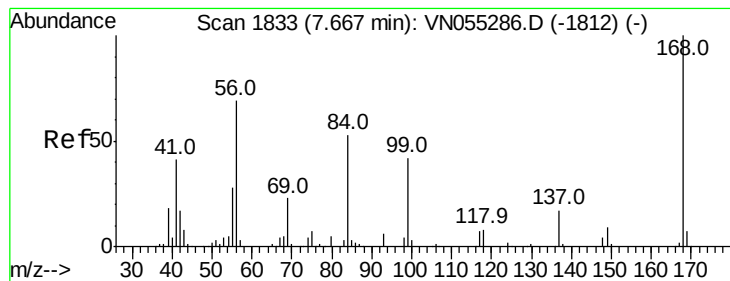
Instrument :
MSVOA_N
ClientSampleId :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN055324.D

Acq: 1 May 2019 13:02

Instrument :

MSVOA_N

ClientSampleId :

VN0501WBSD01

Tot Ion:168 Resp: 362708

Ion Ratio Lower Upper

168 100

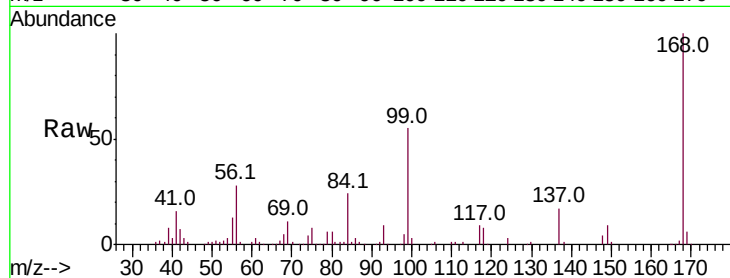
99 54.5 43.6 65.4

Manual Integrations

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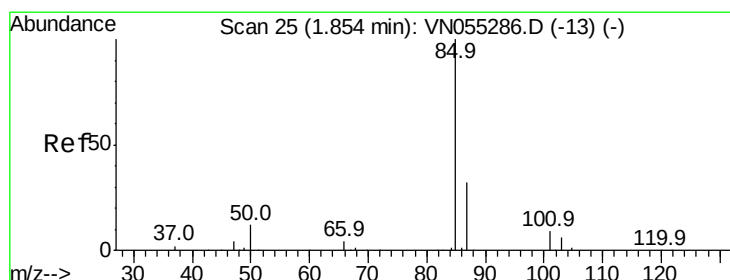
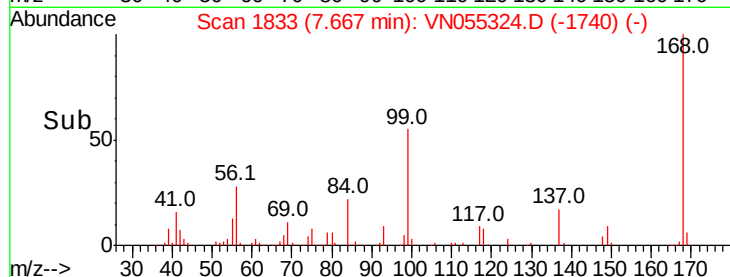
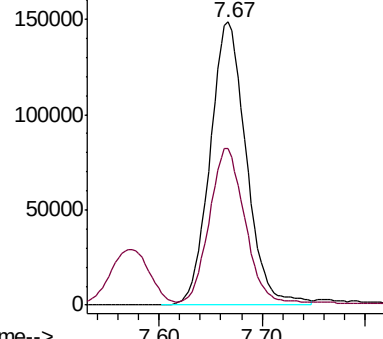
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 20.586 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN055324.D

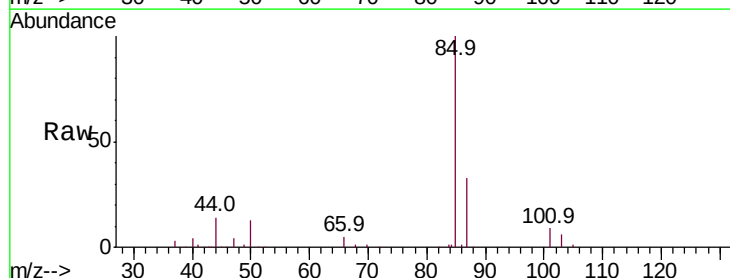
Acq: 1 May 2019 13:02

Tgt Ion: 85 Resp: 91484

Ion Ratio Lower Upper

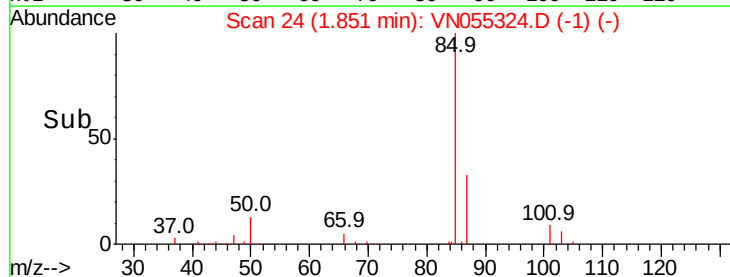
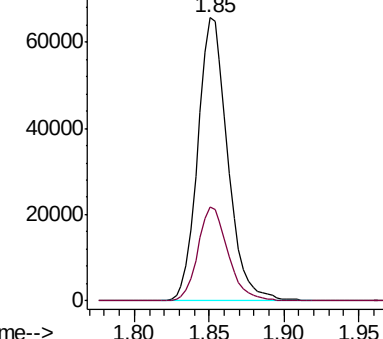
85 100

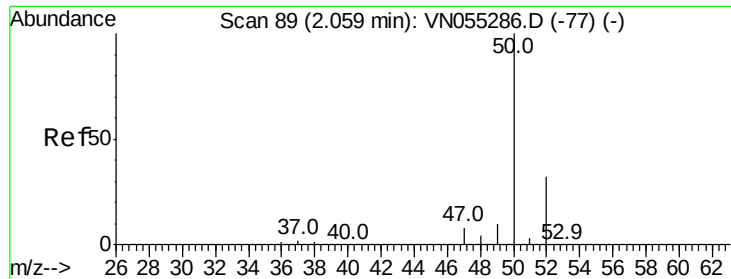
87 33.0 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





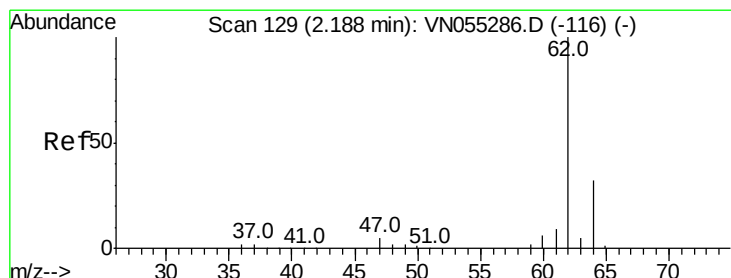
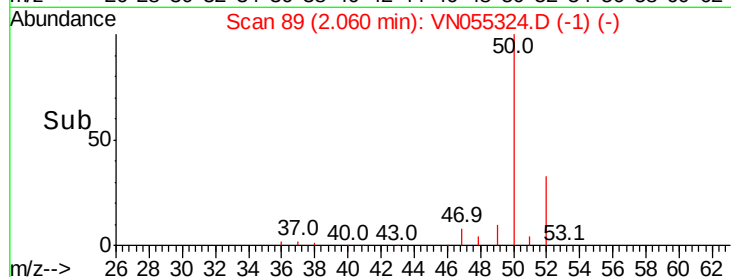
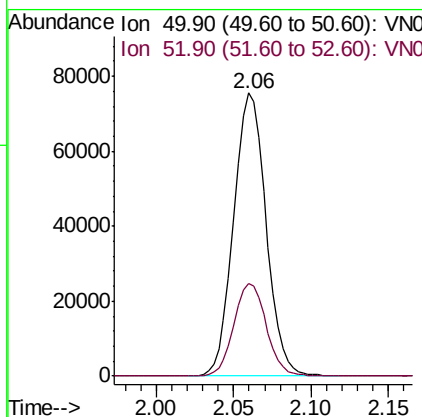
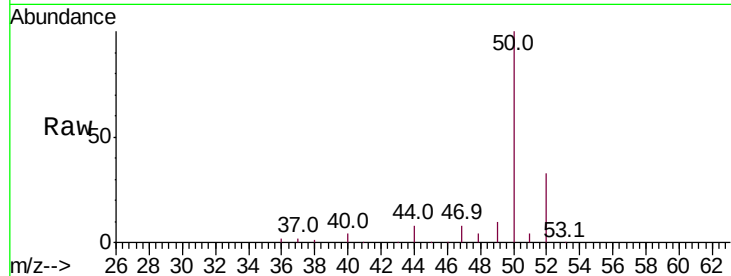
#3
Chloromethane
Concen: 19.990 ug/l
RT: 2.06 min Scan# 89
Delta R.T. 0.00 min
Lab File: VN055324.D
Acq: 1 May 2019 13:02

Instrument :
MSVOA_N
ClientSampleId :
VN0501WBSD01

Tot Ion	Ratio	Lower	Upper
50	100		
52	32.9	25.7	38.5

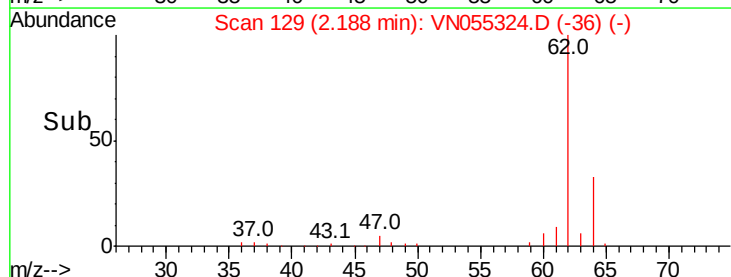
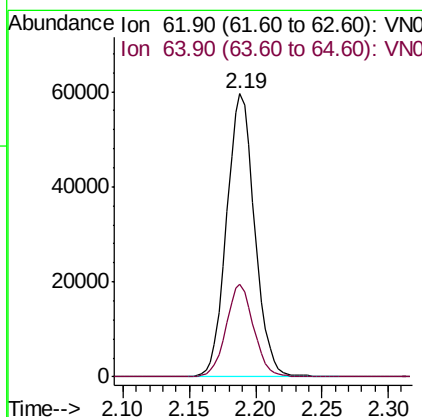
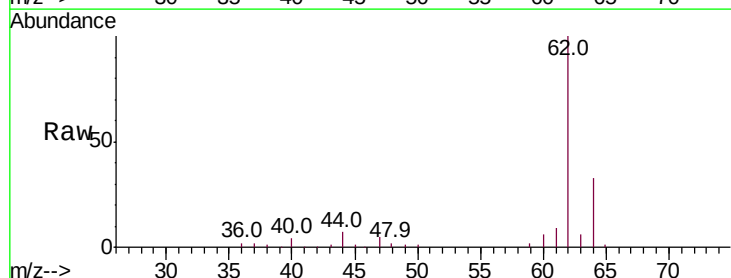
Manual Integrations
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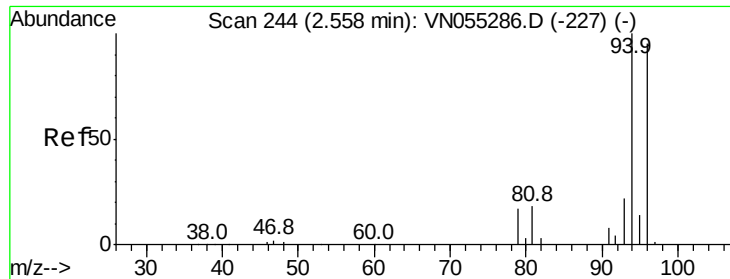
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#4
Vinyl Chloride
Concen: 19.762 ug/l
RT: 2.19 min Scan# 129
Delta R.T. 0.00 min
Lab File: VN055324.D
Acq: 1 May 2019 13:02

Tgt Ion	Ratio	Lower	Upper
62	100		
64	32.9	25.5	38.3





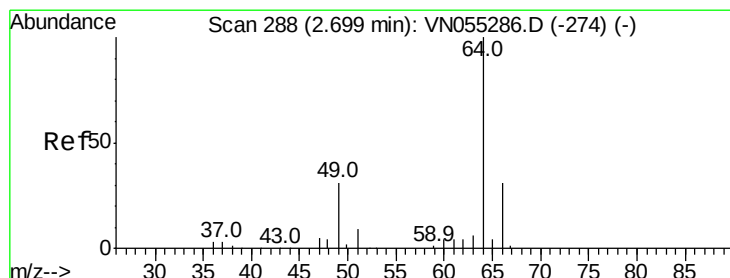
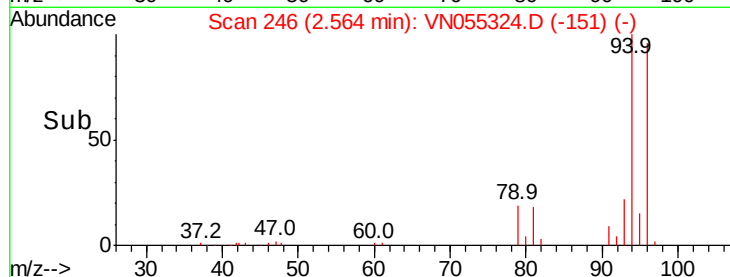
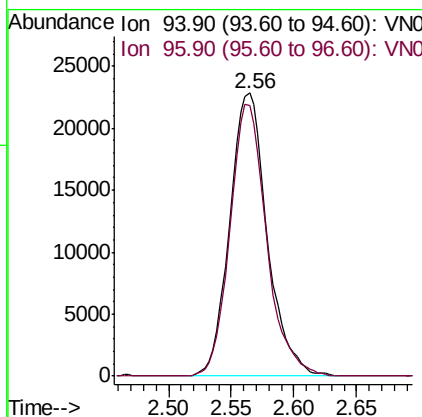
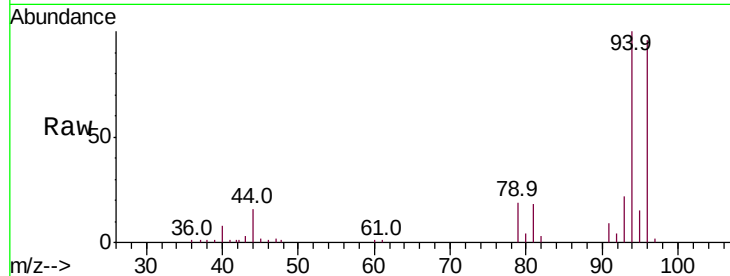
#5
Bromomethane
Concen: 20.180 ug/l
RT: 2.56 min Scan# 246
Delta R.T. 0.01 min
Lab File: VN055324.D
Acq: 1 May 2019 13:02

Instrument :
MSVOA_N
ClientSampleID :
VN0501WBSD01

Tot Ion: 94 Resp: 47413
Ion Ratio Lower Upper
94 100
96 95.6 76.0 114.0

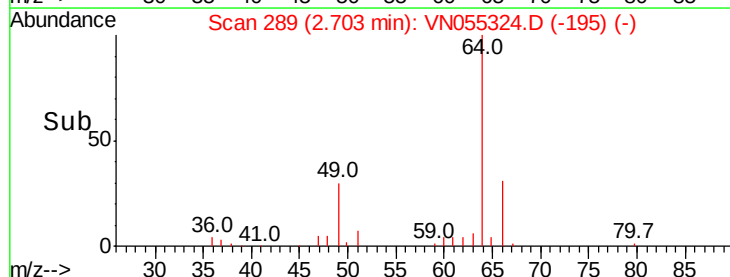
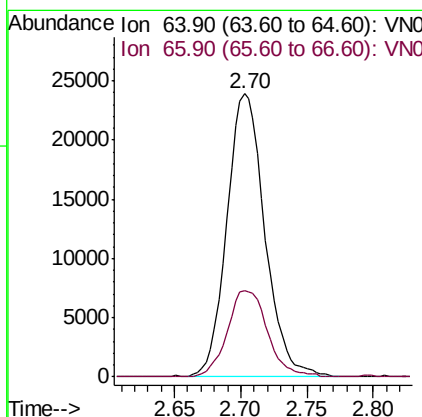
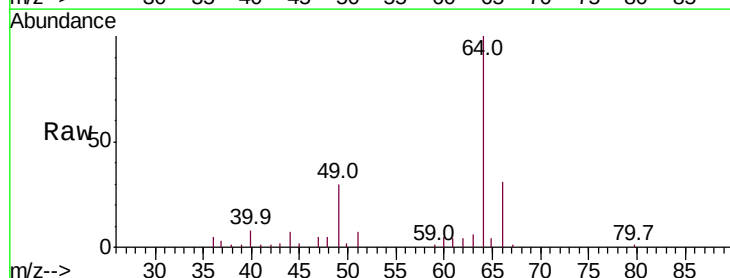
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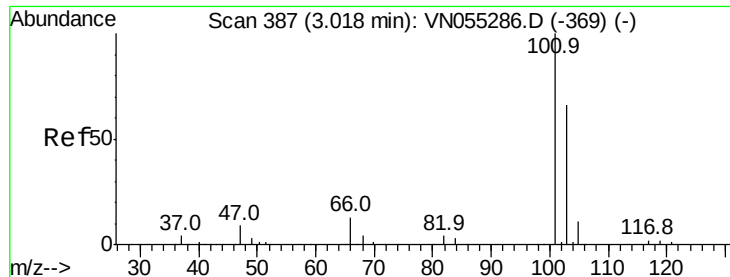
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5/2/2019 9:35:41 AM



#6
Chloroethane
Concen: 19.861 ug/l
RT: 2.70 min Scan# 289
Delta R.T. 0.00 min
Lab File: VN055324.D
Acq: 1 May 2019 13:02

Tgt Ion: 64 Resp: 47725
Ion Ratio Lower Upper
64 100
66 30.6 25.0 37.4





#7

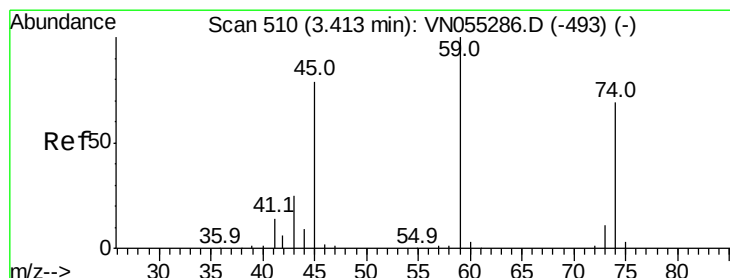
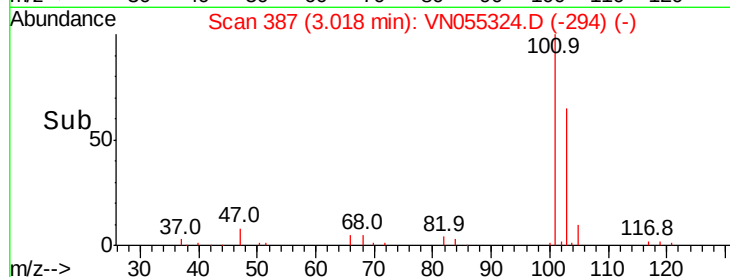
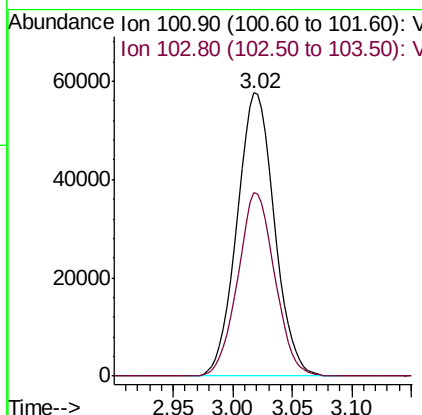
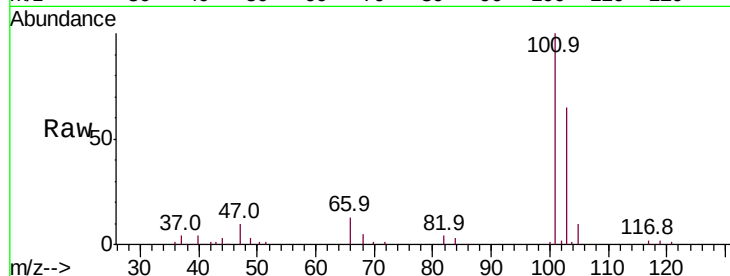
Trichlorofluoromethane
 Concen: 19.932 ug/l
 RT: 3.02 min Scan# 387
 Delta R.T. 0.00 min
 Lab File: VN055324.D
 Acq: 1 May 2019 13:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0501WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.0	52.6	79.0

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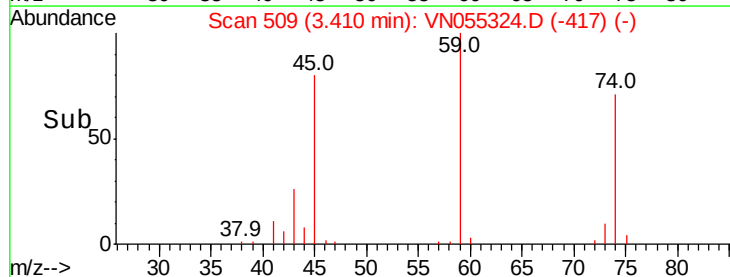
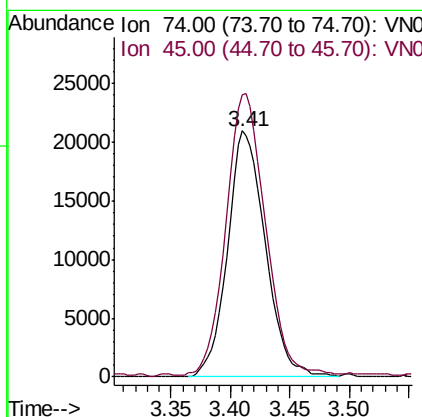
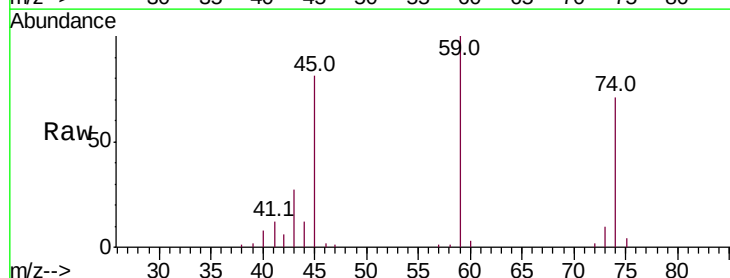
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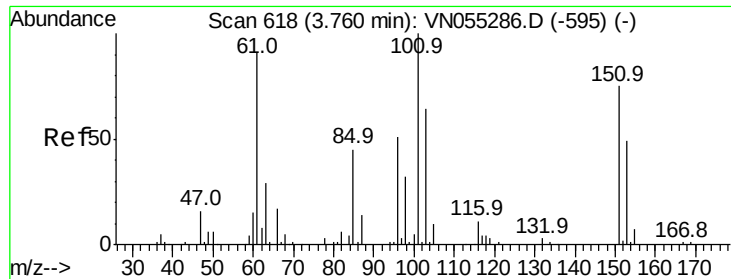


#8

Diethyl Ether
 Concen: 20.869 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN055324.D
 Acq: 1 May 2019 13:02

Tgt Ion	Ratio	Lower	Upper
74	100		
45	118.8	58.9	176.6





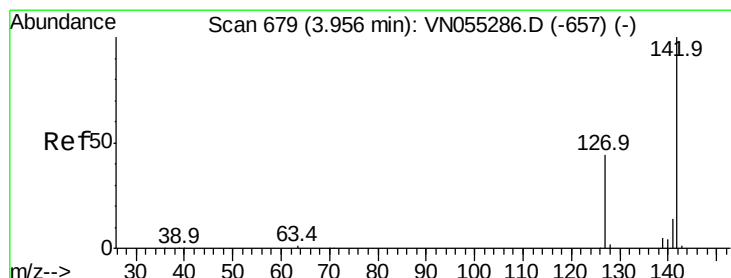
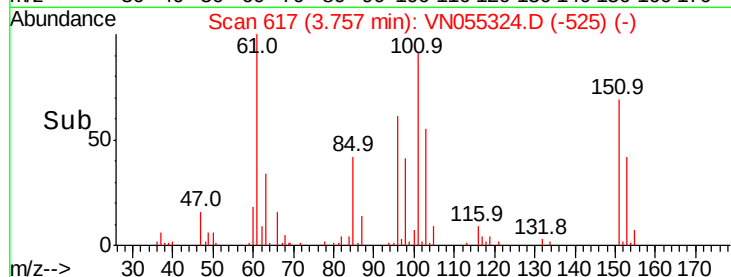
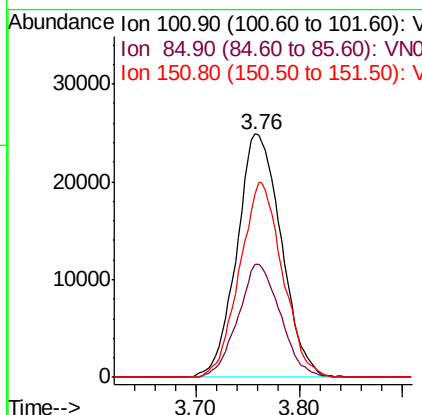
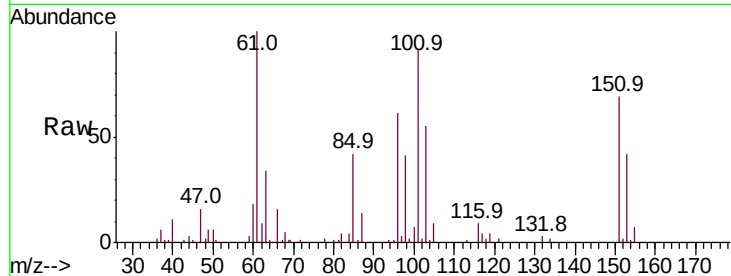
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 19.760 ug/l
 RT: 3.76 min Scan# 617
 Delta R.T. -0.00 min
 Lab File: VN055324.D
 Acq: 1 May 2019 13:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0501WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
85	44.4	35.7	53.5
151	77.9	63.3	94.9

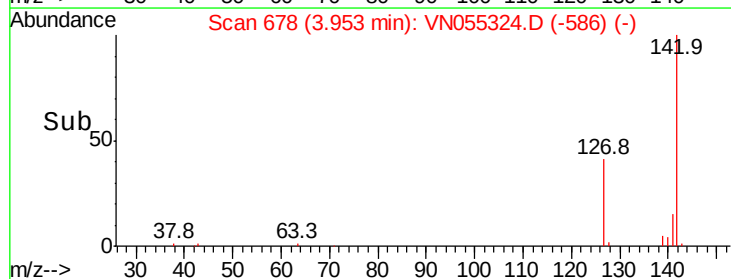
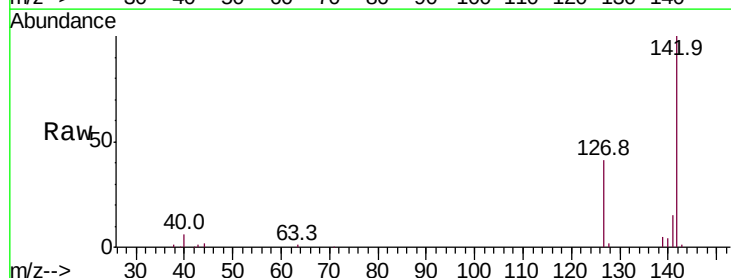
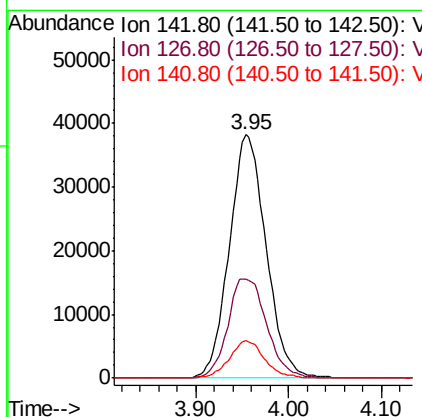
Manual Integrations
 APPROVED

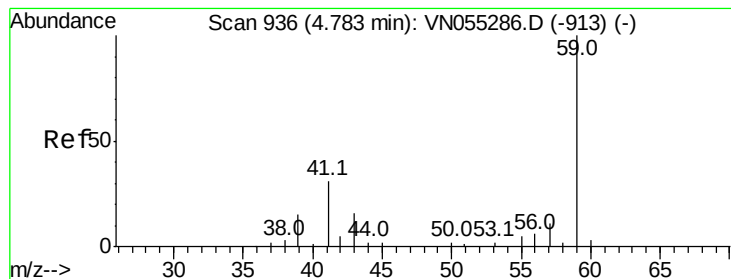
MMDadoda
 5/2/2019 9:35:41 AM



#10
 Methyl Iodide
 Concen: 19.895 ug/l
 RT: 3.95 min Scan# 678
 Delta R.T. -0.00 min
 Lab File: VN055324.D
 Acq: 1 May 2019 13:02

Tgt Ion	Ratio	Lower	Upper
142	100		
127	43.1	34.4	51.6
141	14.8	11.5	17.3





#11

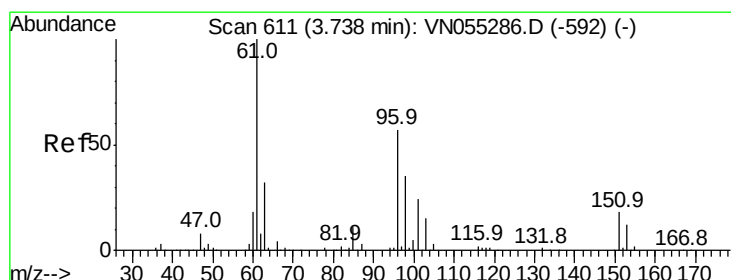
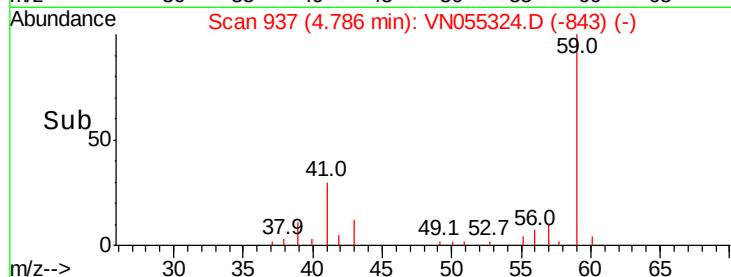
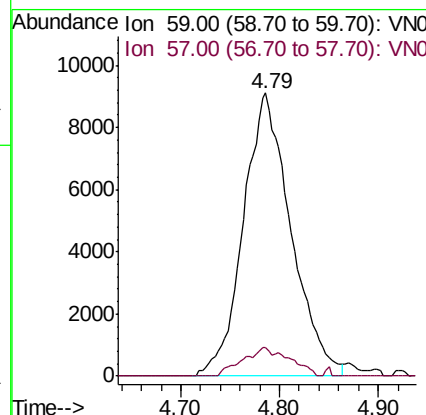
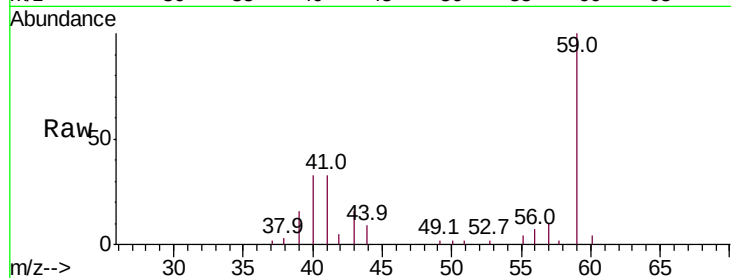
Tert butyl alcohol
Concen: 111.950 ug/l
RT: 4.79 min Scan# 937
Delta R.T. 0.00 min
Lab File: VN055324.D
Acq: 1 May 2019 13:02

Instrument :
MSVOA_N
ClientSampled :
VN0501WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.9	8.2	12.2

Manual Integrations
APPROVED

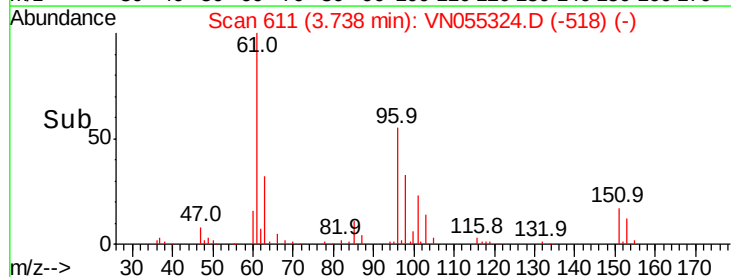
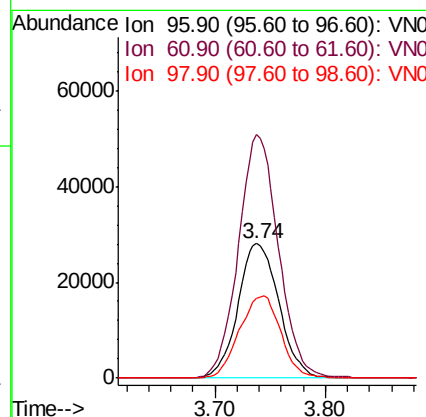
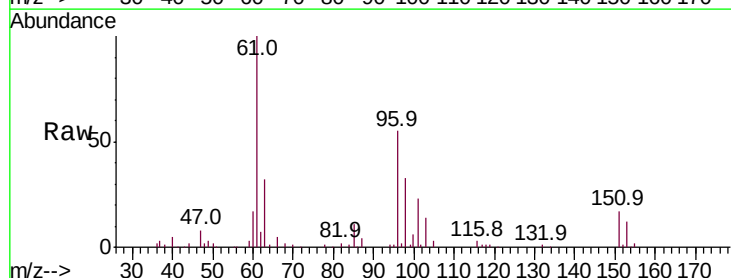
MMDadoda
5/2/2019 9:35:41 AM

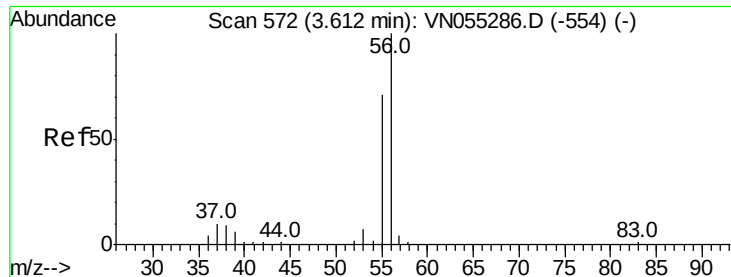


#12

1,1-Dichloroethene
Concen: 20.176 ug/l
RT: 3.74 min Scan# 611
Delta R.T. 0.00 min
Lab File: VN055324.D
Acq: 1 May 2019 13:02

Tgt Ion	Ratio	Lower	Upper
96	100		
61	181.1	140.9	211.3
98	58.9	50.0	75.0





#13

Acrolein

Concen: 99.302 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.00 min

Lab File: VN055324.D

Acq: 1 May 2019 13:02

Instrument :

MSVOA_N

ClientSampleId :

VN0501WBSD01

Tot Ion: 56 Resp: 21068

Ion Ratio Lower Upper

56 100

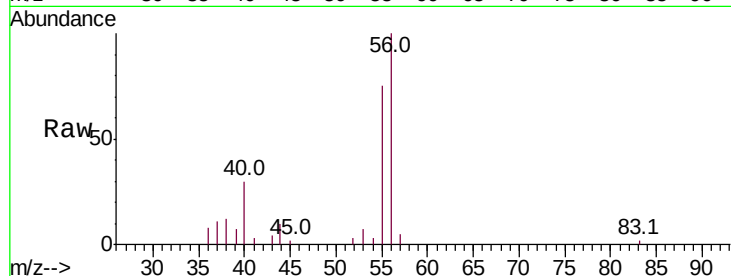
55 75.6 57.4 86.2

Manual Integrations

APPROVED

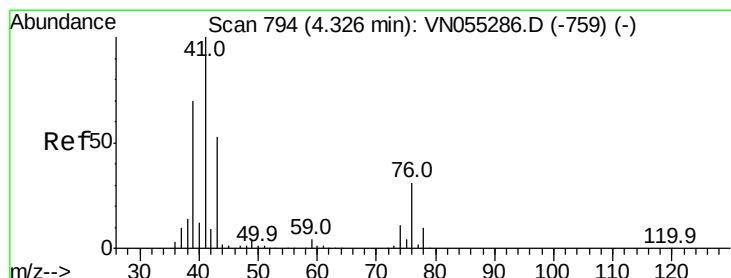
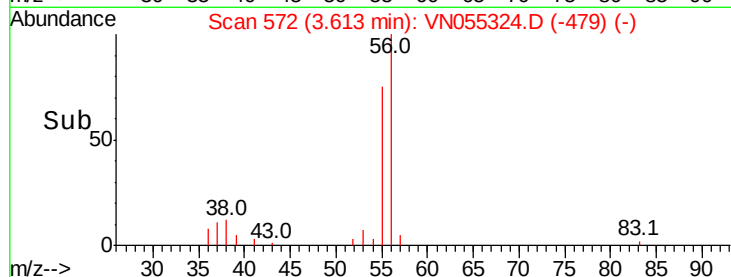
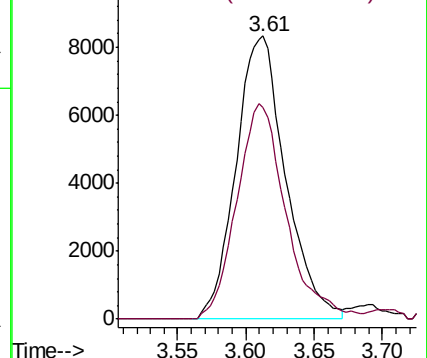
MMDadoda

5/2/2019 9:35:41 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 19.959 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN055324.D

Acq: 1 May 2019 13:02

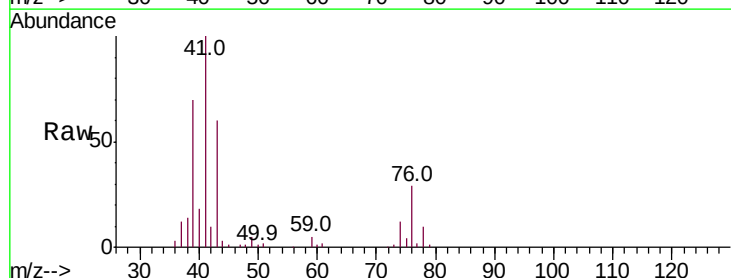
Tgt Ion: 41 Resp: 148110

Ion Ratio Lower Upper

41 100

39 66.3 53.0 79.6

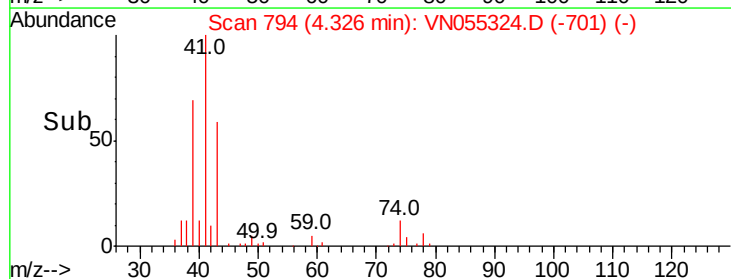
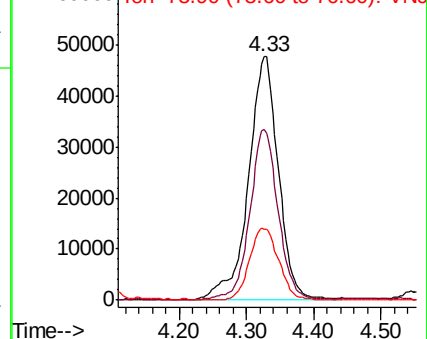
76 28.7 22.7 34.1

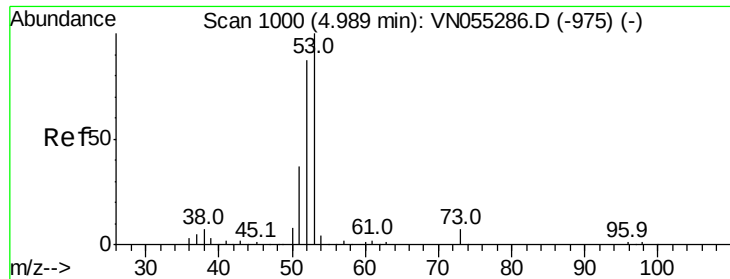


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





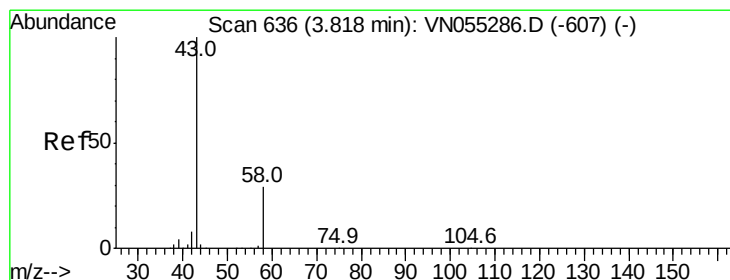
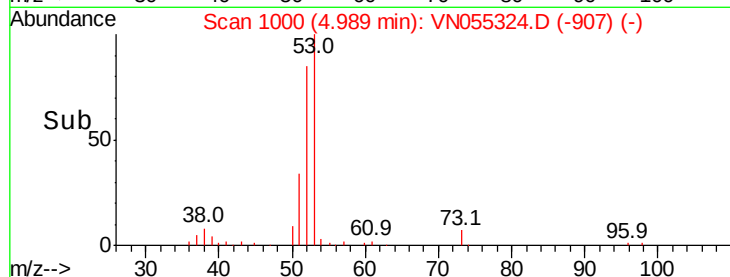
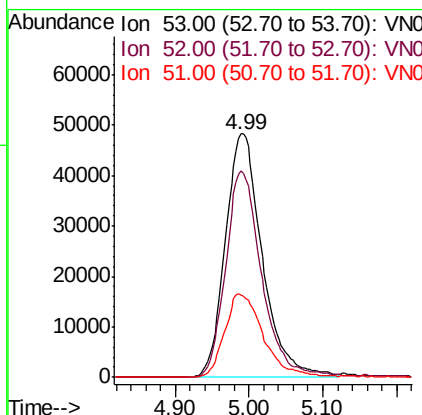
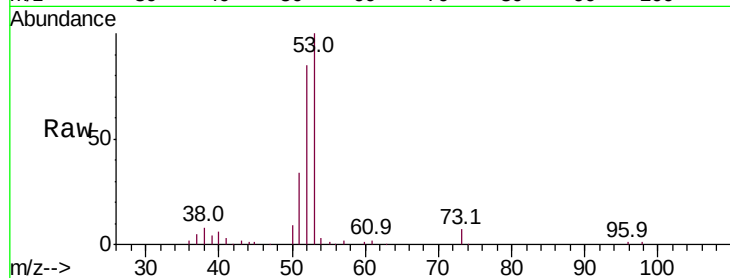
#15
 Acrylonitrile
 Concen: 110.426 ug/l
 RT: 4.99 min Scan# 1000
 Delta R.T. 0.00 min
 Lab File: VN055324.D
 Acq: 1 May 2019 13:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0501WBSD01

Tot Ion	Ratio	Lower	Upper
53	100		
52	82.6	66.5	99.7
51	35.9	29.6	44.4

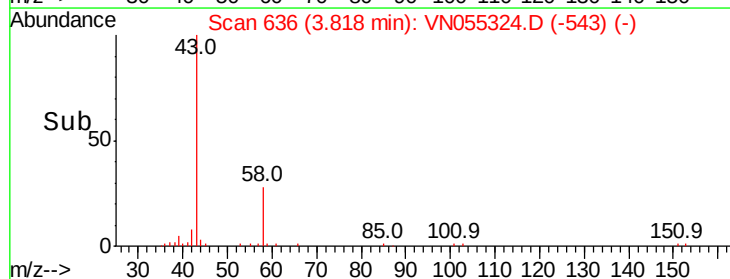
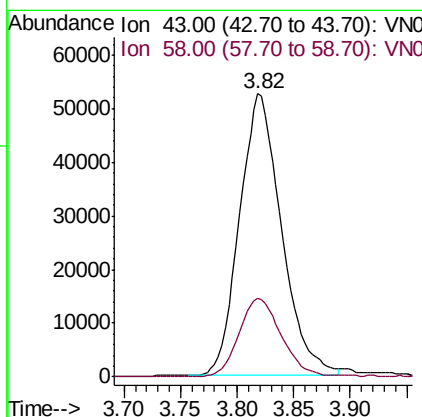
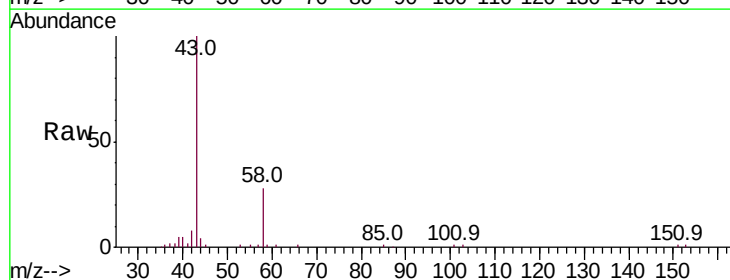
Manual Integrations
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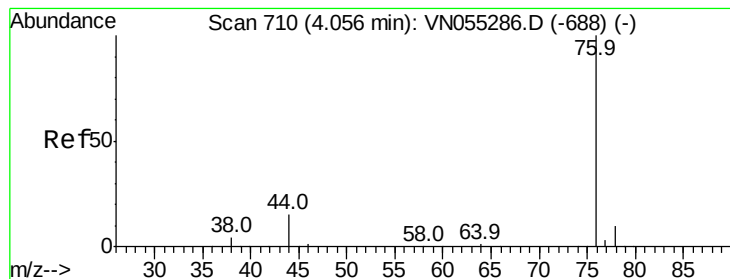
MMDadoda
 5/2/2019 9:35:41 AM



#16
 Acetone
 Concen: 91.621 ug/l
 RT: 3.82 min Scan# 636
 Delta R.T. 0.00 min
 Lab File: VN055324.D
 Acq: 1 May 2019 13:02

Tgt Ion	Ratio	Lower	Upper
43	100		
58	27.9	23.6	35.4





#17

Carbon Disulfide

Concen: 18.815 ug/l

RT: 4.06 min Scan# 710

Delta R.T. 0.00 min

Lab File: VN055324.D

Acq: 1 May 2019 13:02

Tot Ion: 76 Resp: 175934

Ion Ratio Lower Upper

76 100

78 8.9 7.6 11.4

Instrument :

MSVOA_N

ClientSampled :

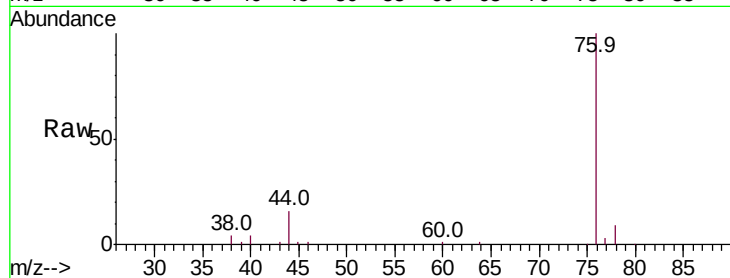
VN0501WBSD01

Manual Integrations

APPROVED

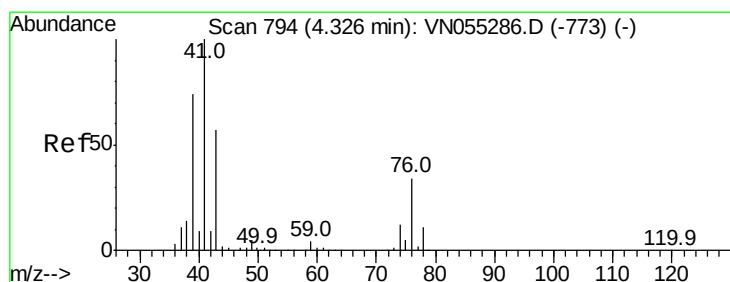
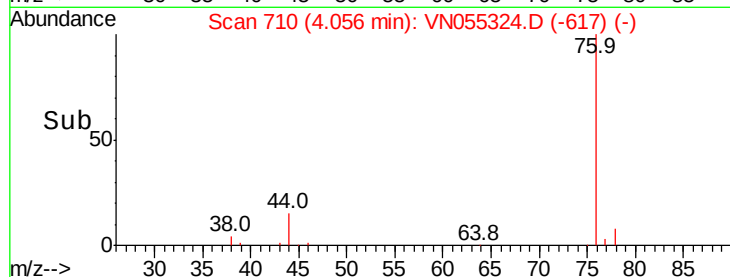
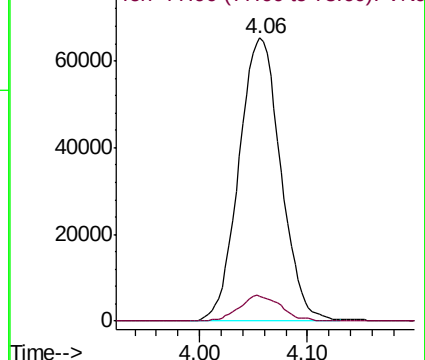
MMDadoda

5/2/2019 9:35:41 AM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 23.497 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN055324.D

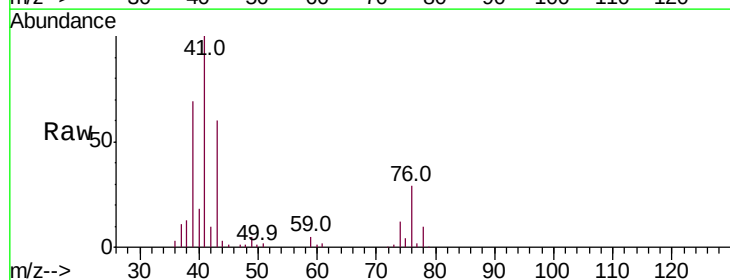
Acq: 1 May 2019 13:02

Tgt Ion: 43 Resp: 86604

Ion Ratio Lower Upper

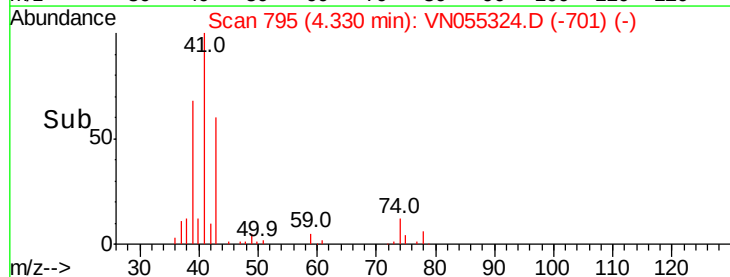
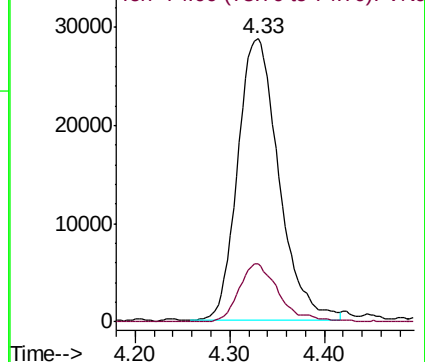
43 100

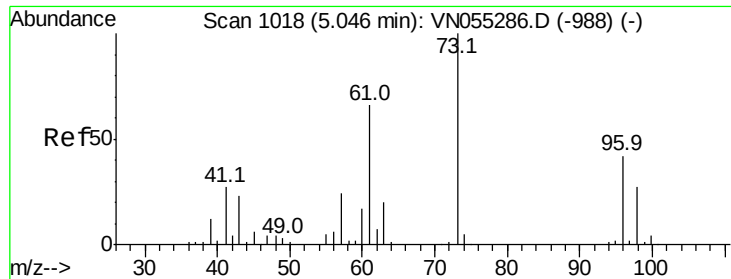
74 18.8 15.8 23.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





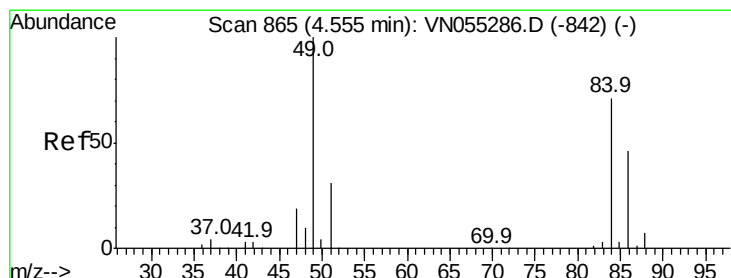
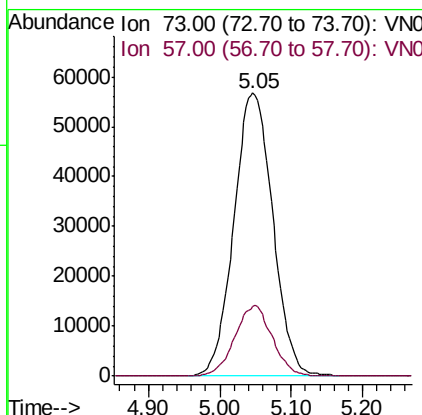
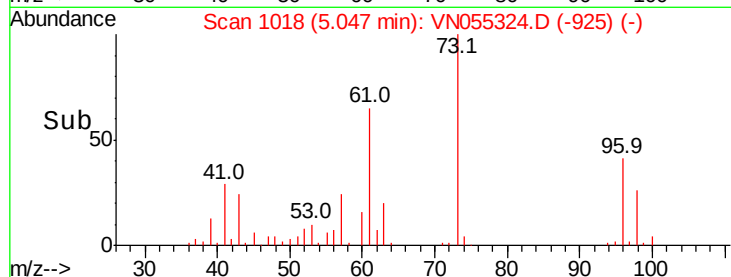
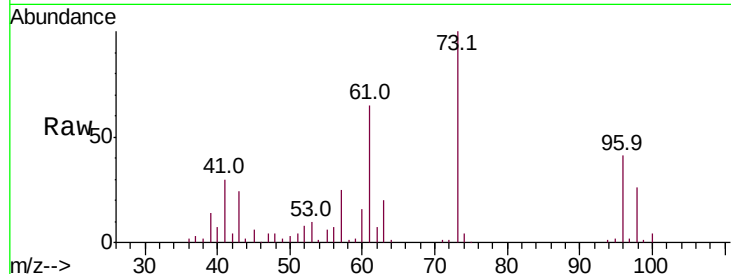
#19
Methyl tert-butyl Ether
Concen: 21.340 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN055324.D
Acq: 1 May 2019 13:02

Instrument :
MSVOA_N
ClientSampleId :
VN0501WBSD01

Tot Ion: 73 Resp: 214946
Ion Ratio Lower Upper
73 100
57 24.7 19.1 28.7

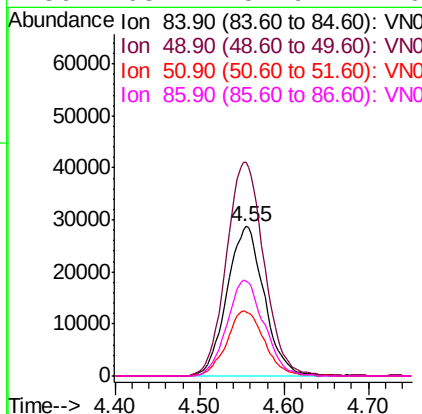
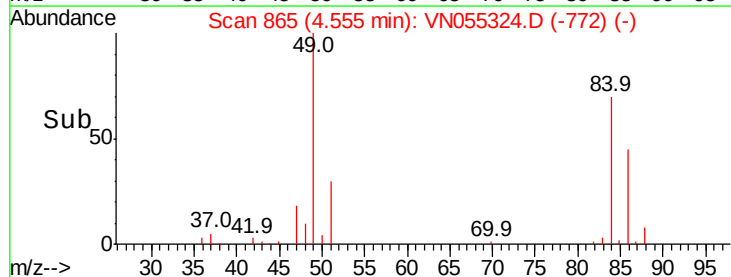
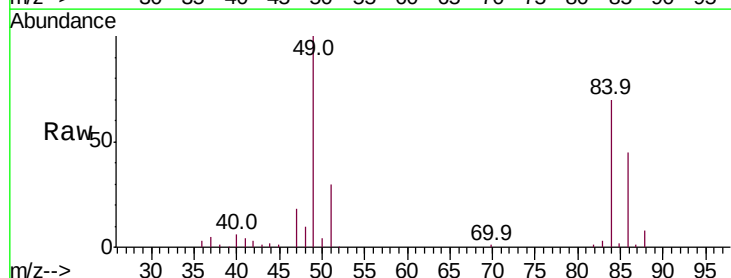
Manual Integrations
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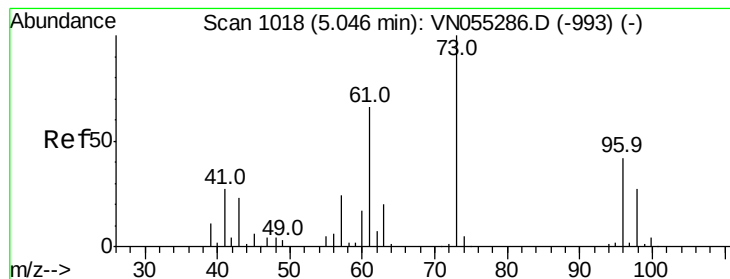
MMDadoda
5/2/2019 9:35:41 AM



#20
Methylene Chloride
Concen: 19.560 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN055324.D
Acq: 1 May 2019 13:02

Tgt Ion: 84 Resp: 88271
Ion Ratio Lower Upper
84 100
49 142.9 112.4 168.6
51 42.7 34.6 51.8
86 63.7 51.9 77.9





#21

trans-1,2-Dichloroethene

Concen: 20.127 ug/l

RT: 5.04 min Scan# 1016

Delta R.T. -0.01 min

Lab File: VN055324.D

Acq: 1 May 2019 13:02

Instrument :

MSVOA_N

ClientSampleId :

VN0501WBSD01

Tot Ion: 96 Resp: 76373

Ion Ratio Lower Upper

96 100

61 145.2 126.2 189.4

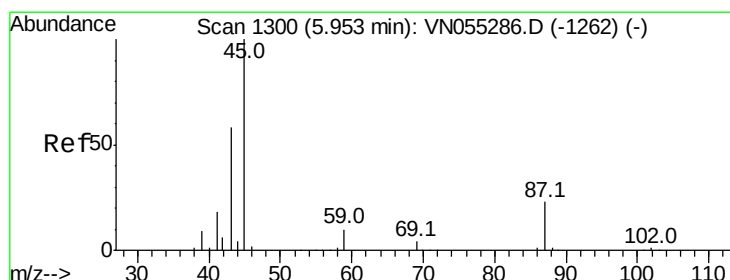
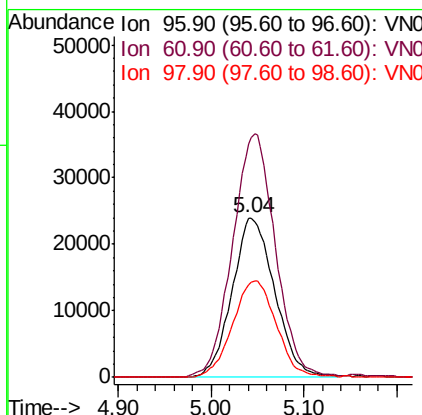
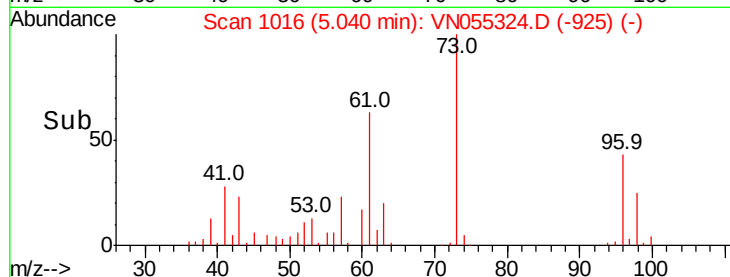
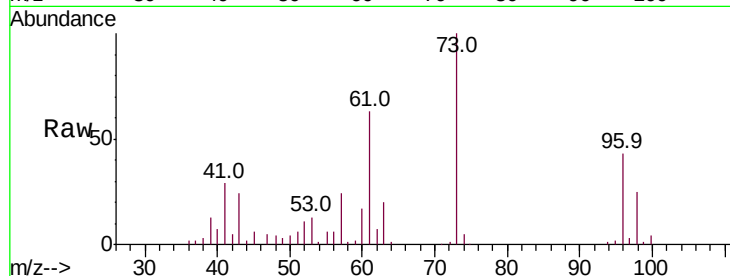
98 57.7 52.2 78.2

Manual Integrations

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MMDadoda

5/2/2019 9:35:41 AM



#22

Diisopropyl ether

Concen: 21.059 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN055324.D

Acq: 1 May 2019 13:02

Tgt Ion: 45 Resp: 310502

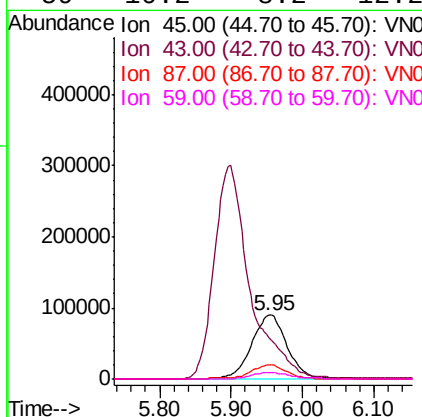
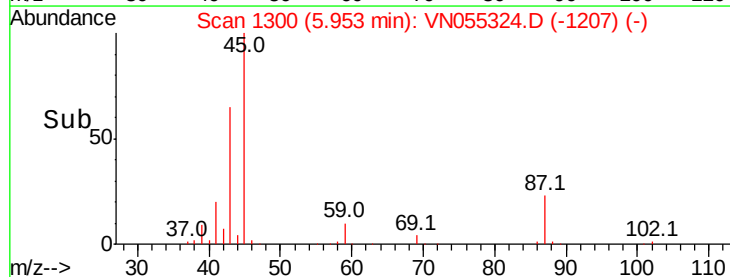
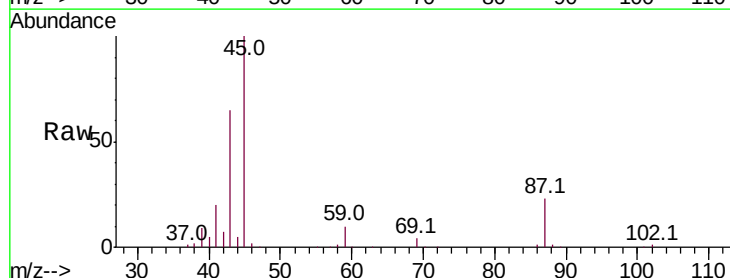
Ion Ratio Lower Upper

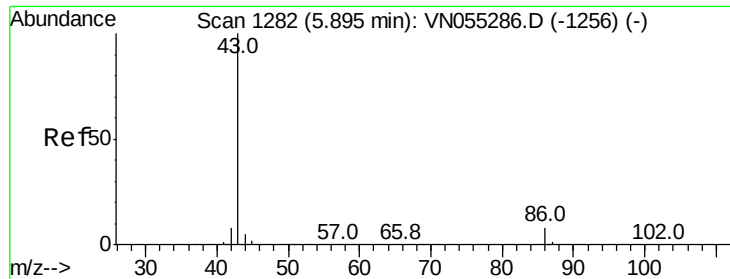
45 100

43 62.3 46.6 70.0

87 22.6 18.1 27.1

59 10.2 8.2 12.2





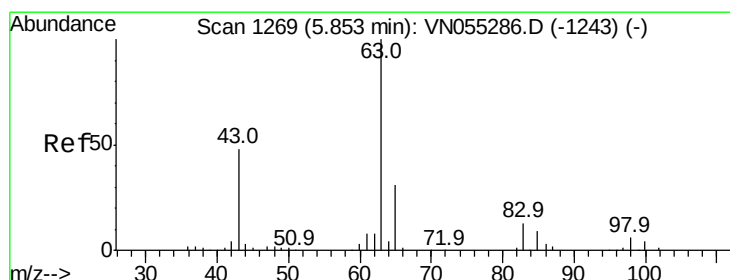
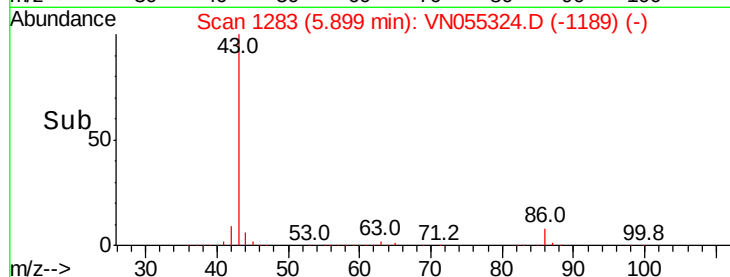
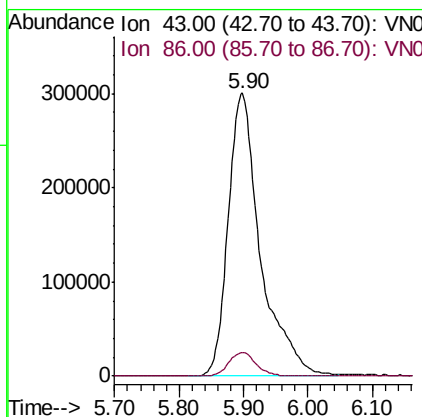
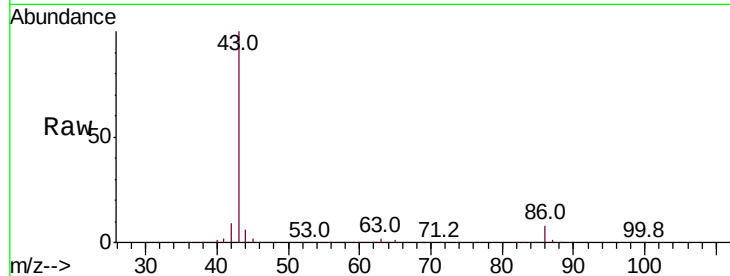
#23
 Vinyl Acetate
 Concen: 108.486 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN055324.D
 Acq: 1 May 2019 13:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0501WBSD01

Tot Ion: 43 Resp: 1048325
 Ion Ratio Lower Upper
 43 100
 86 8.3 6.6 10.0

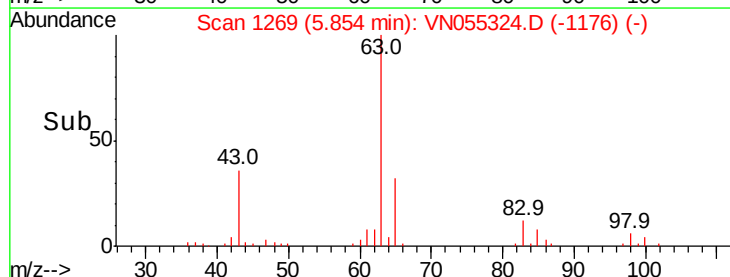
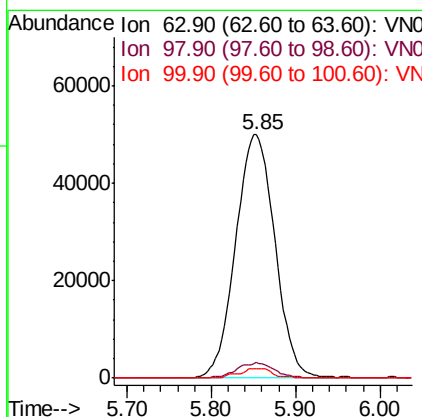
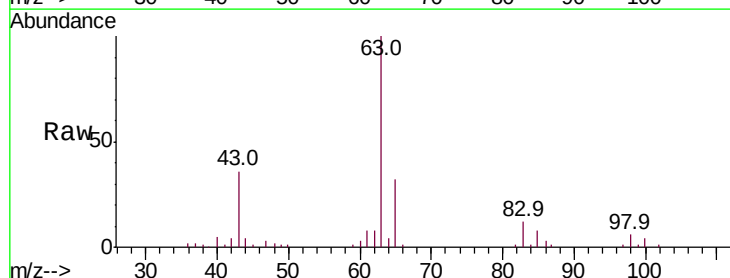
Manual Integrations
 APPROVED

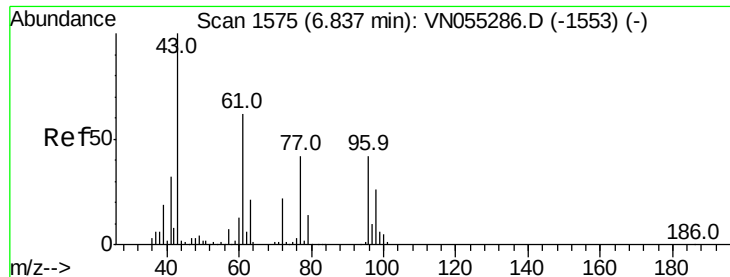
MMDadoda
 5/2/2019 9:35:41 AM



#24
 1,1-Dichloroethane
 Concen: 20.586 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN055324.D
 Acq: 1 May 2019 13:02

Tgt Ion: 63 Resp: 161723
 Ion Ratio Lower Upper
 63 100
 98 6.2 3.0 9.0
 100 3.8 1.8 5.4





#25

2-Butanone

Concen: 105.430 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VN055324.D

Acq: 1 May 2019 13:02

Instrument :

MSVOA_N

ClientSampled :

VN0501WBSD01

Tot Ion: 43 Resp: 199347

Ion Ratio Lower Upper

43 100

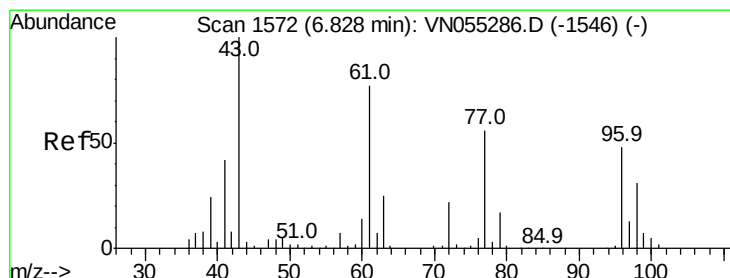
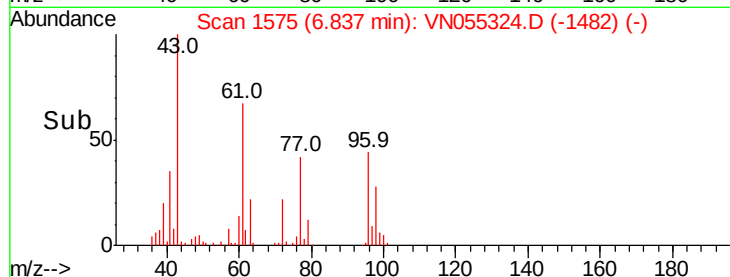
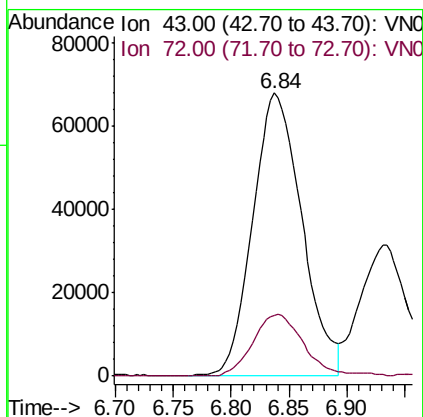
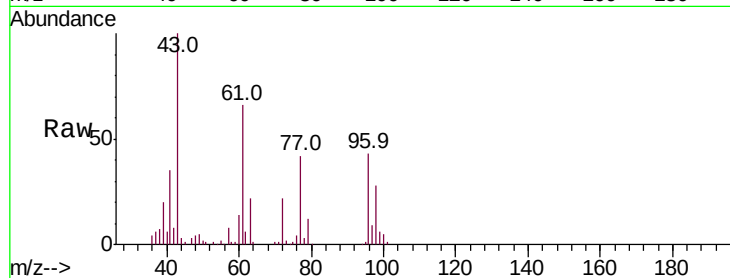
72 21.6 18.0 27.0

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 19.532 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN055324.D

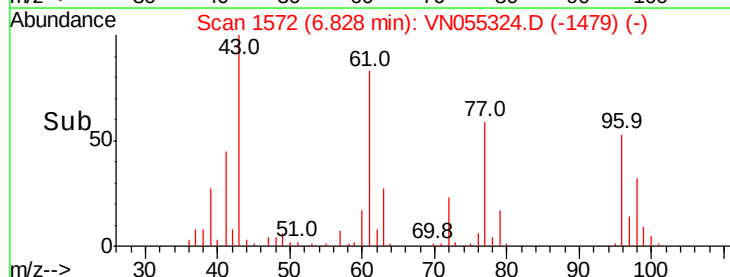
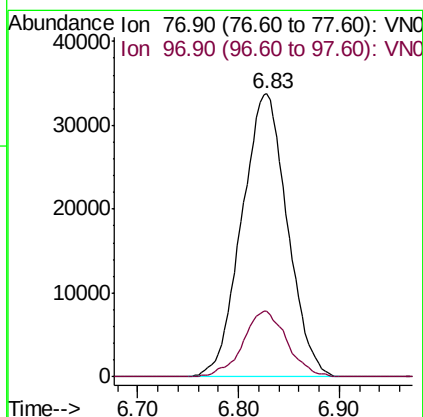
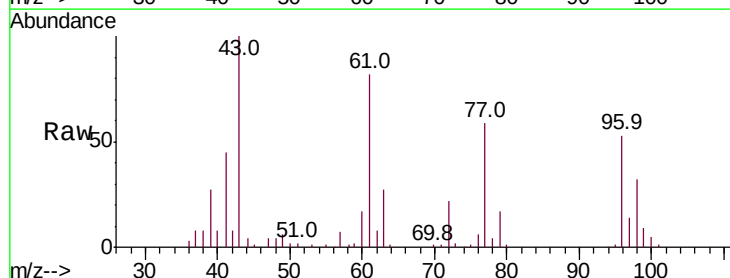
Acq: 1 May 2019 13:02

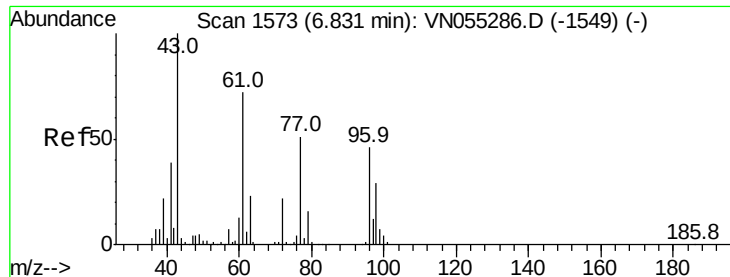
Tgt Ion: 77 Resp: 105955

Ion Ratio Lower Upper

77 100

97 22.4 11.4 34.2





#27

cis-1,2-Dichloroethene

Concen: 20.968 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN055324.D

Acq: 1 May 2019 13:02

Instrument :

MSVOA_N

ClientSampleId :

VN0501WBSD01

Tot Ion: 96 Resp: 90482

Ion Ratio Lower Upper

96 100

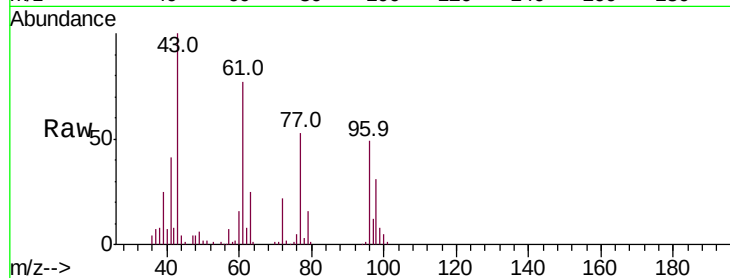
61 157.5 0.0 316.2

98 64.1 0.0 126.6

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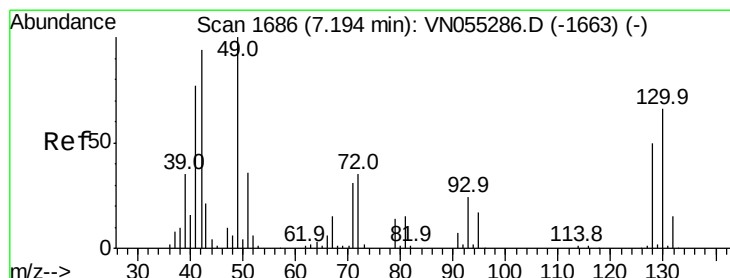
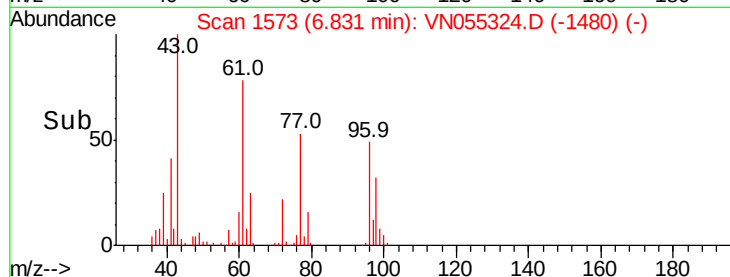
Abundance Ion 95.90 (95.60 to 96.60): VN055286.D (-1549) (-)

Ion 60.90 (60.60 to 61.60): VN055286.D (-1549) (-)

Ion 97.90 (97.60 to 98.60): VN055286.D (-1549) (-)

6.83

Time-->



#28

Bromochloromethane

Concen: 21.639 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN055324.D

Acq: 1 May 2019 13:02

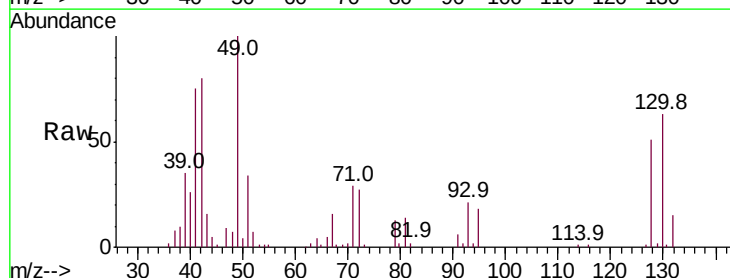
Tgt Ion: 49 Resp: 85688

Ion Ratio Lower Upper

49 100

129 1.5 0.0 2.4

130 62.5 52.0 78.0



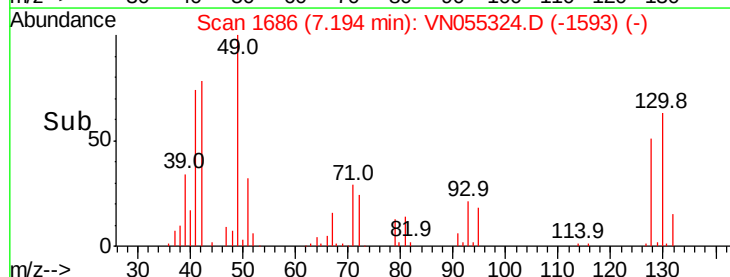
Abundance Ion 48.90 (48.60 to 49.60): VN055286.D (-1663) (-)

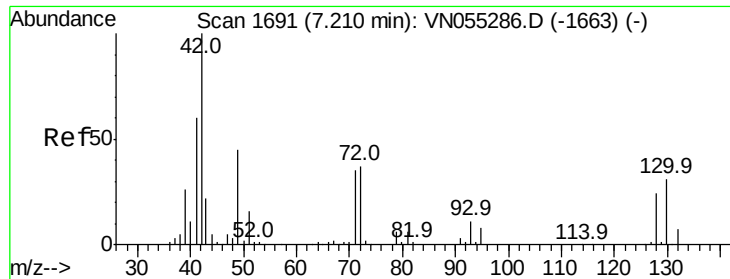
Ion 128.80 (128.50 to 129.50): VN055286.D (-1663) (-)

Ion 129.80 (129.50 to 130.50): VN055286.D (-1663) (-)

7.19

Time-->





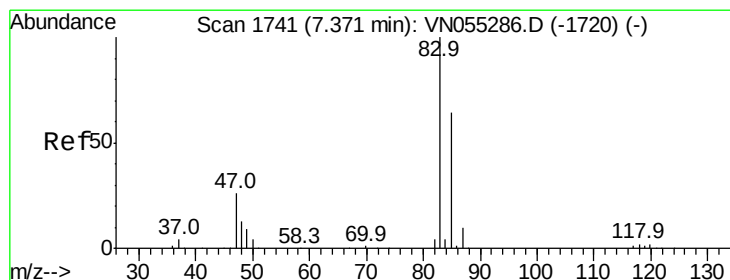
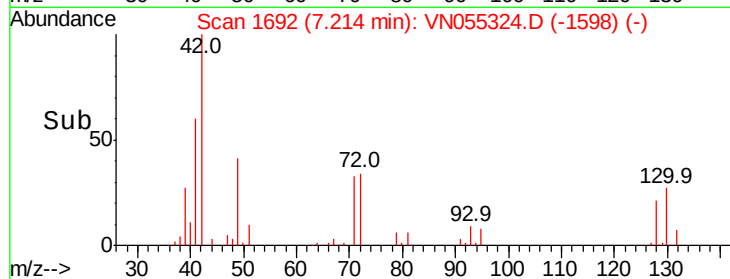
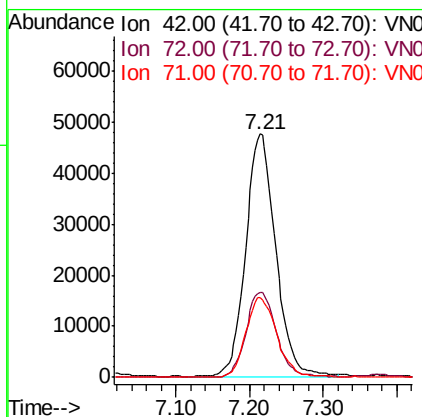
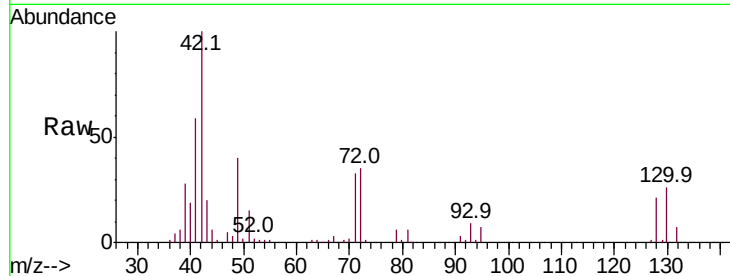
#29
Tetrahydrofuran
Concen: 113.177 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN055324.D
Acq: 1 May 2019 13:02

Instrument :
MSVOA_N
ClientSampleId :
VN0501WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	35.2	29.0	43.6
71	33.5	27.1	40.7

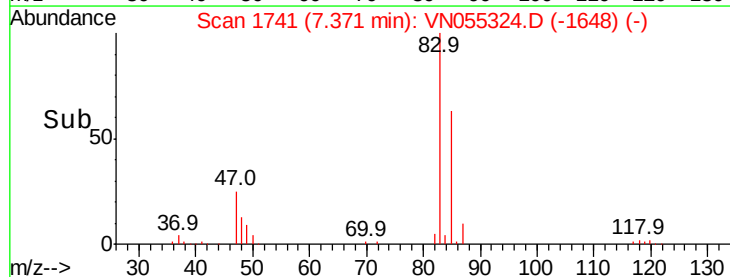
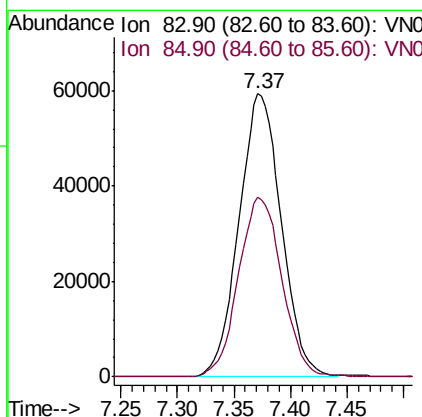
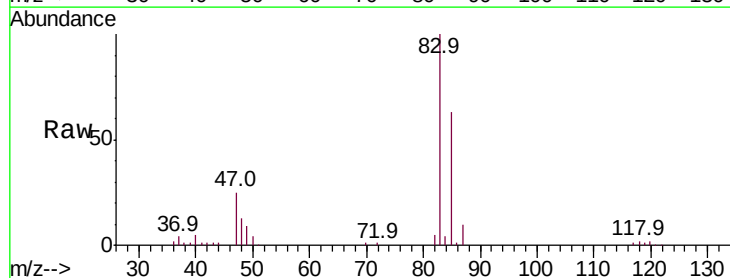
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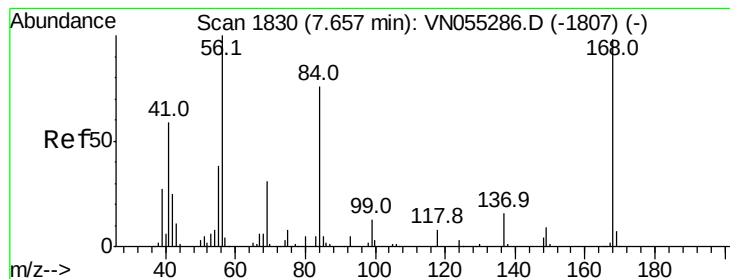
MMDadoda
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#30
Chloroform
Concen: 20.730 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN055324.D
Acq: 1 May 2019 13:02

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.3	51.4	77.2





#31

Cyclohexane

Concen: 19.126 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. -0.00 min

Lab File: VN055324.D

Acq: 1 May 2019 13:02

Instrument :

MSVOA_N

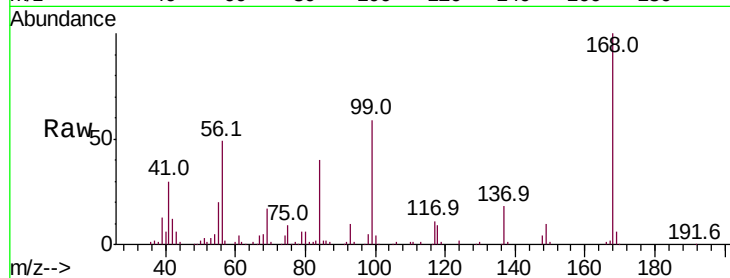
ClientSampleId :

VN0501WBSD01

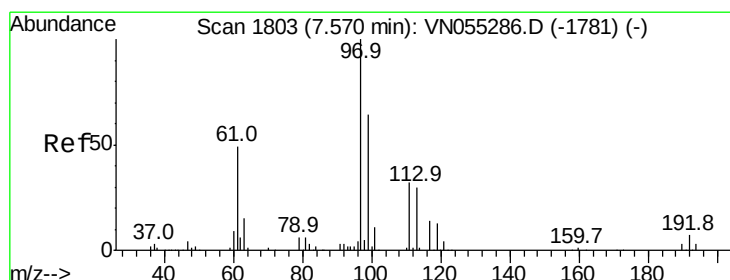
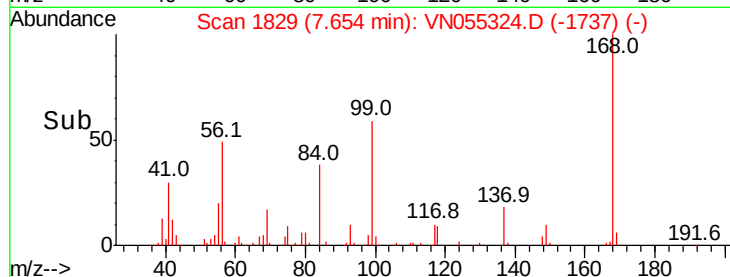
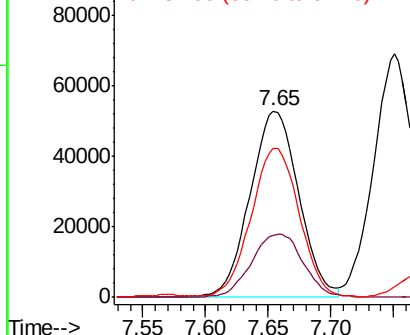
Tot Ion:	56	Resp:	142751
Ion Ratio	Lower	Upper	
56	100		
69	33.6	25.2	37.8
84	79.0	61.1	91.7

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Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 20.203 ug/l

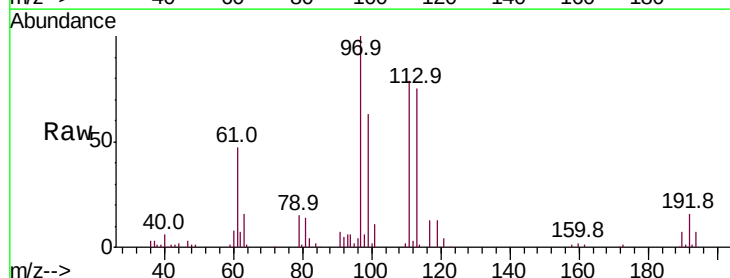
RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

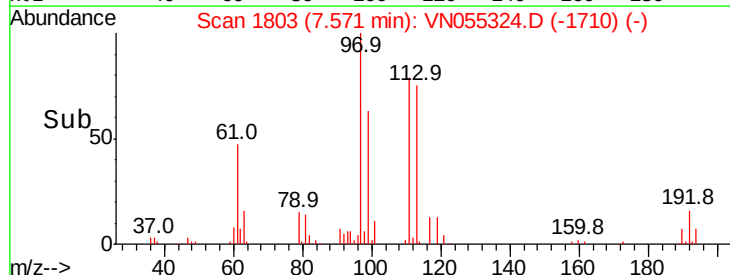
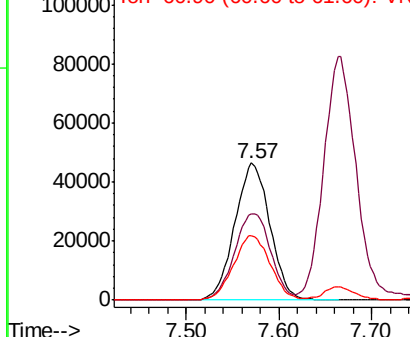
Lab File: VN055324.D

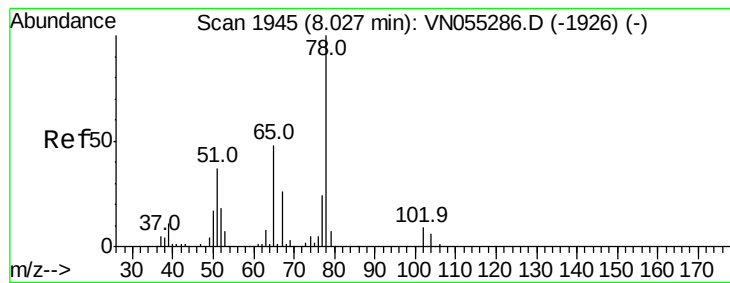
Acq: 1 May 2019 13:02

Tgt Ion:	97	Resp:	122105
Ion Ratio	Lower	Upper	
97	100		
99	65.4	51.8	77.8
61	49.0	39.0	58.6



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0





#33

1,2-Dichloroethane-d4

Concen: 52.671 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN055324.D

Acq: 1 May 2019 13:02

Instrument :

MSVOA_N

ClientSampleId :

VN0501WBSD01

Tot Ion: 65 Resp: 249924

Ion Ratio Lower Upper

65 100

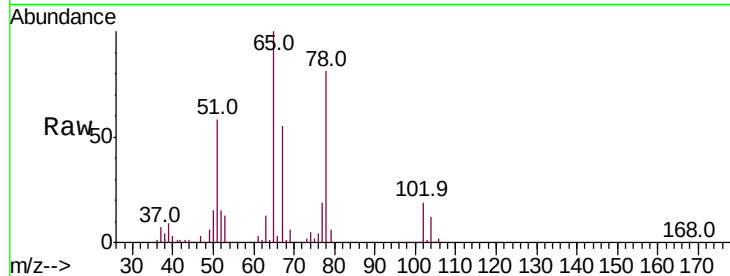
67 53.7 0.0 106.8

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Abundance Ion 64.90 (64.60 to 65.60): VN055324.D (-1926) (-)

Ion 66.90 (66.60 to 67.60): VN055324.D (-1926) (-)

8.03

100000

80000

60000

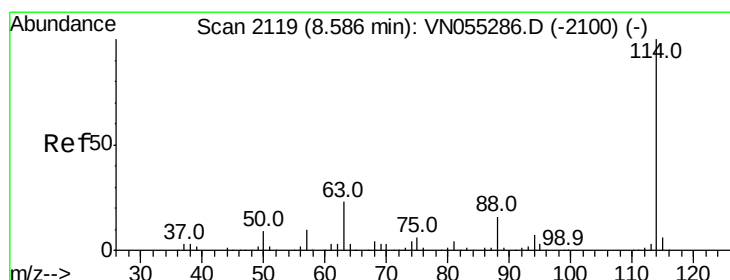
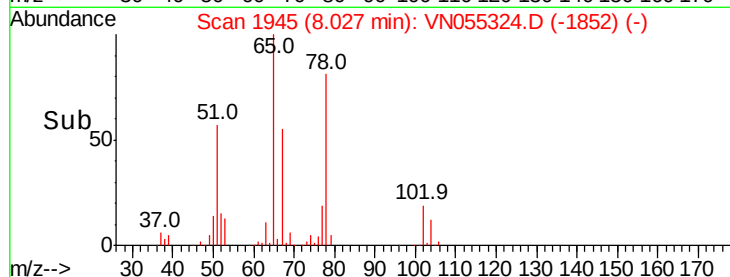
40000

20000

0

7.95 8.00 8.05 8.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN055324.D

Acq: 1 May 2019 13:02

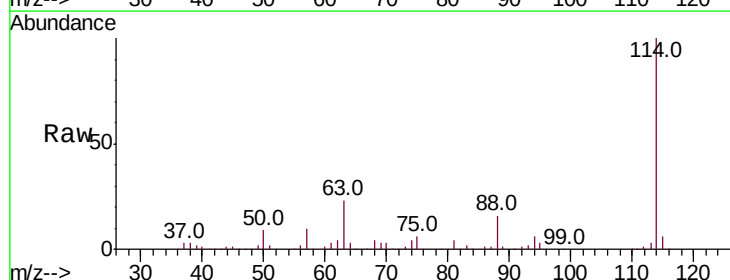
Tgt Ion: 114 Resp: 600934

Ion Ratio Lower Upper

114 100

63 23.2 0.0 45.2

88 16.0 0.0 31.6



Abundance Ion 113.90 (113.60 to 114.60): VN055324.D (-2100) (-)

Ion 63.00 (62.70 to 63.70): VN055324.D (-2100) (-)

Ion 87.90 (87.60 to 88.60): VN055324.D (-2100) (-)

8.59

300000

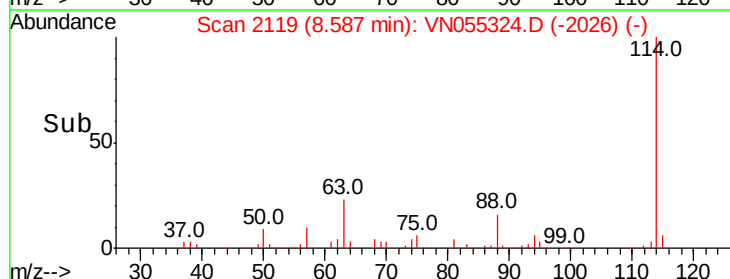
200000

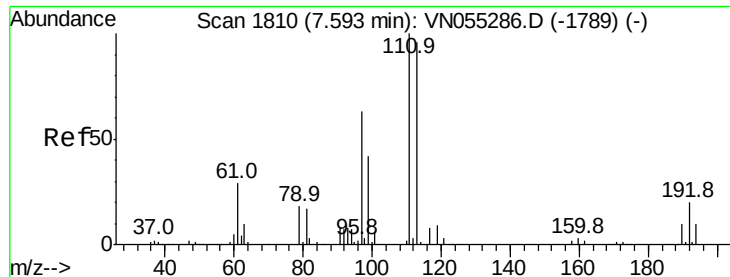
100000

0

8.50 8.60 8.70

Time-->





#35

Dibromofluoromethane

Concen: 50.819 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VN055324.D

Acq: 1 May 2019 13:02

Instrument :

MSVOA_N

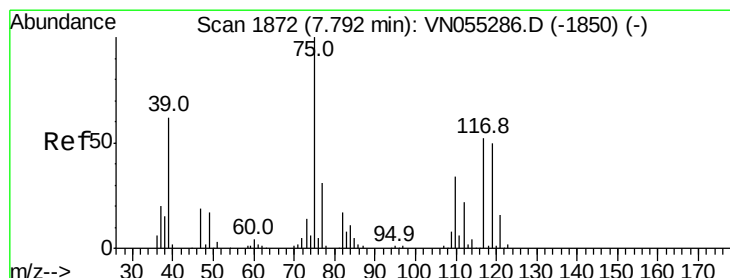
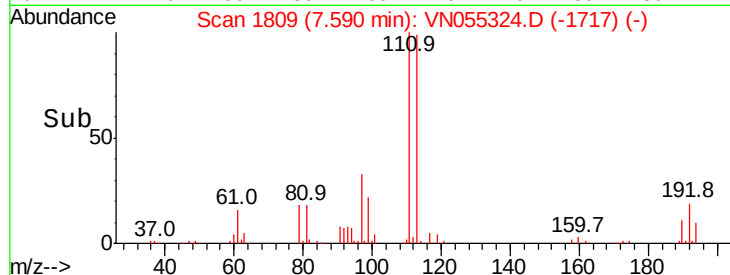
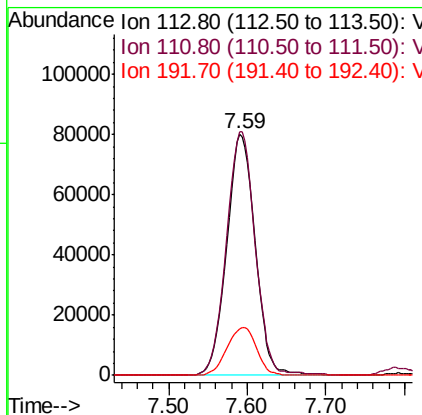
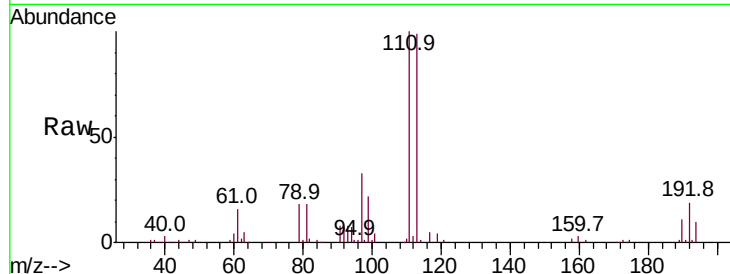
ClientSampleId :

VN0501WBSD01

Tot Ion:	113	Resp:	200446
Ion	Ratio	Lower	Upper
113	100		
111	102.0	82.3	123.5
192	20.7	17.0	25.6

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#36

1,1-Dichloropropene

Concen: 18.596 ug/l

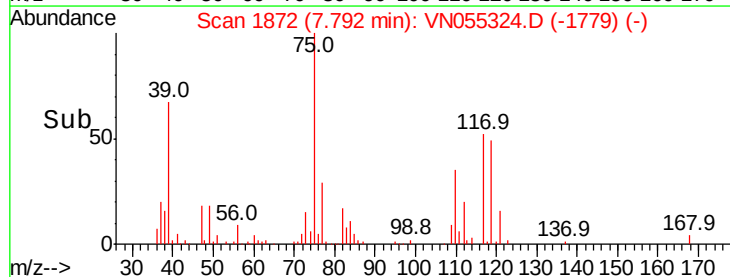
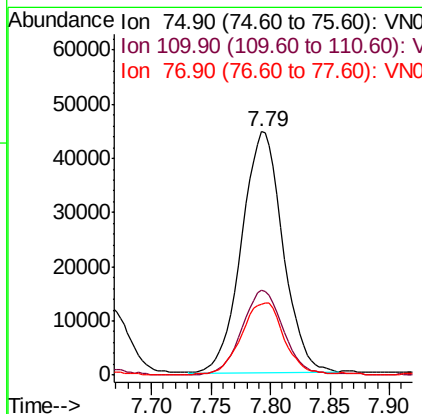
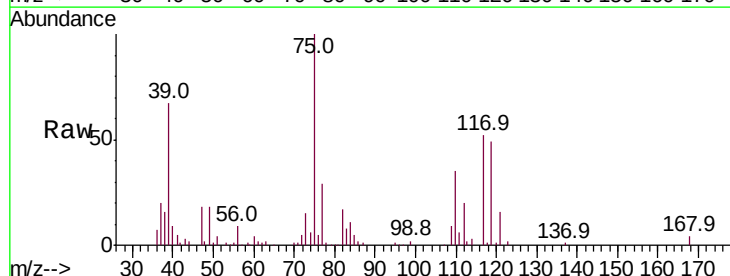
RT: 7.79 min Scan# 1872

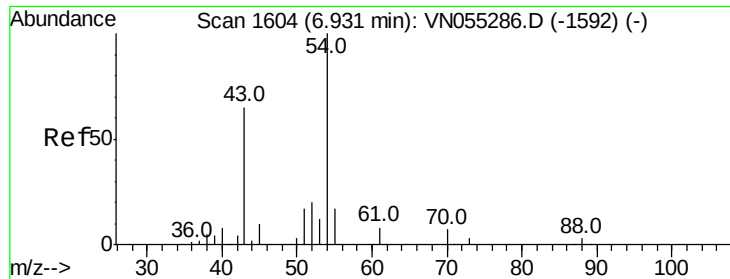
Delta R.T. 0.00 min

Lab File: VN055324.D

Acq: 1 May 2019 13:02

Tgt Ion:	75	Resp:	107040
Ion	Ratio	Lower	Upper
75	100		
110	35.6	16.8	50.4
77	31.4	25.0	37.6





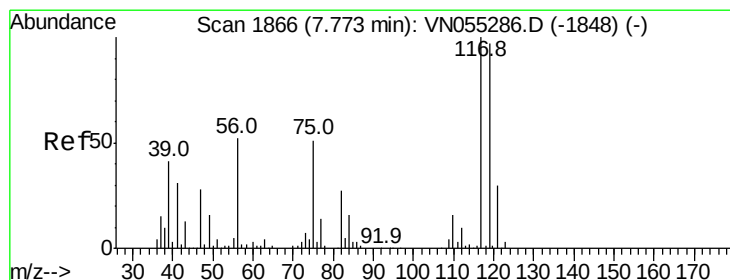
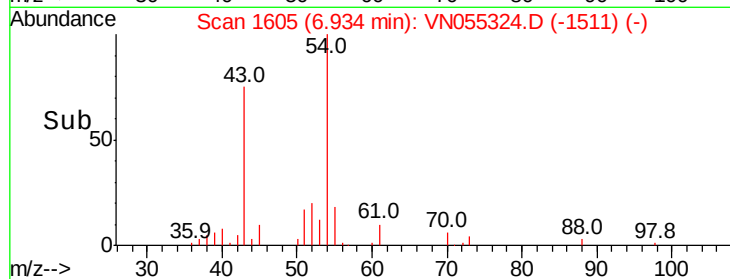
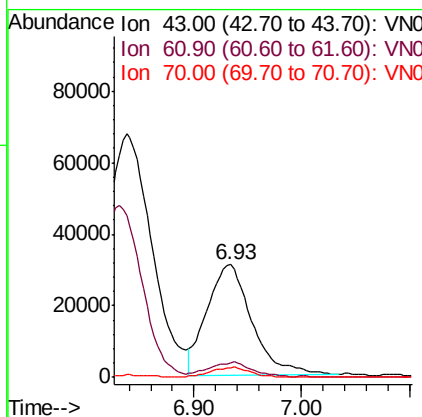
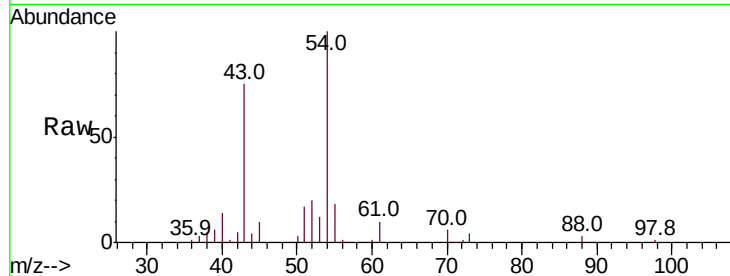
#37
Ethyl Acetate
Concen: 20.515 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN055324.D
Acq: 1 May 2019 13:02

Instrument :
MSVOA_N
ClientSampleId :
VN0501WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.3	10.4	15.6
70	8.3	6.6	10.0

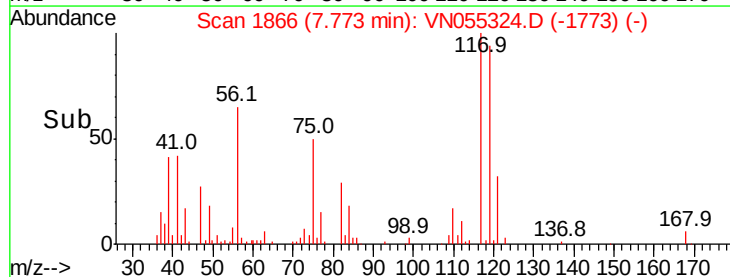
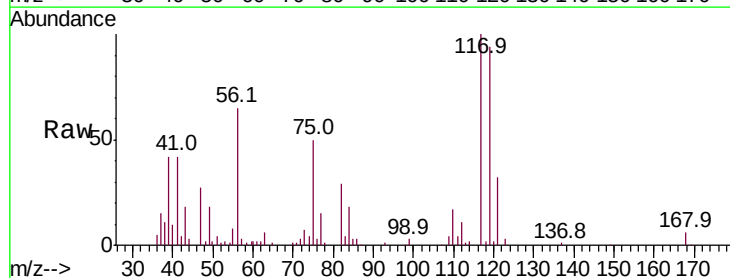
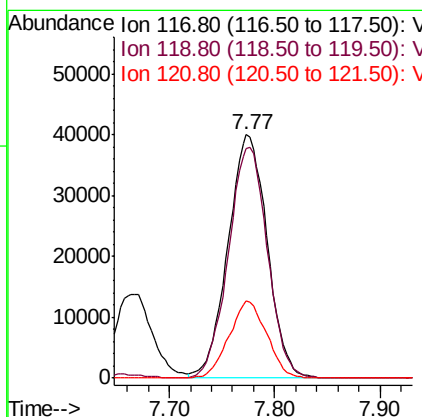
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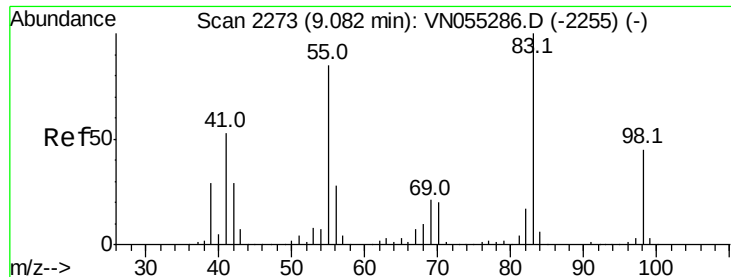
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#38
Carbon Tetrachloride
Concen: 18.577 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN055324.D
Acq: 1 May 2019 13:02

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.2	77.0	115.6
121	31.5	23.8	35.8





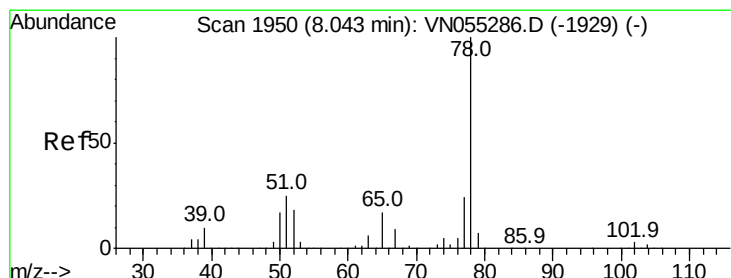
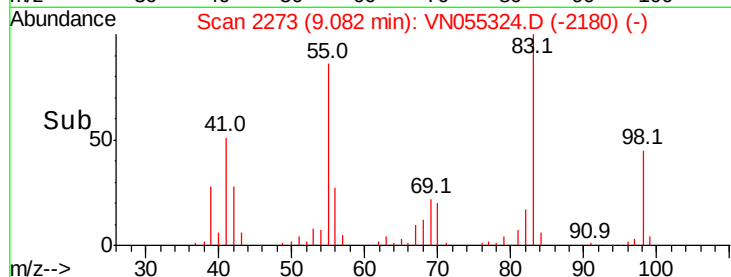
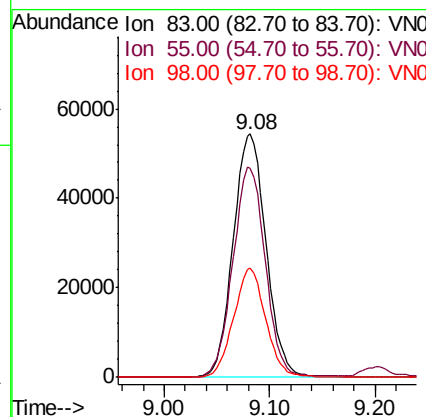
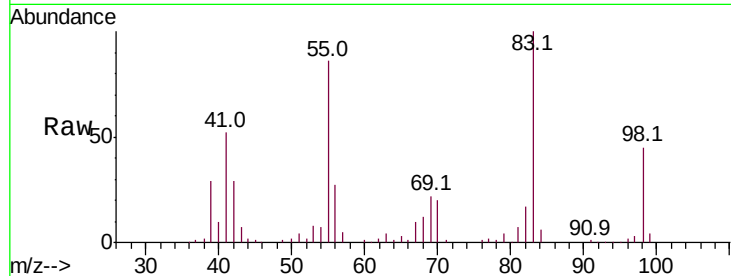
#39
Methylvlcyclohexane
Concen: 19.259 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN055324.D
Acq: 1 May 2019 13:02

Instrument :
MSVOA_N
ClientSampled :
VN0501WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	86.0	67.8	101.6
98	44.9	36.2	54.4

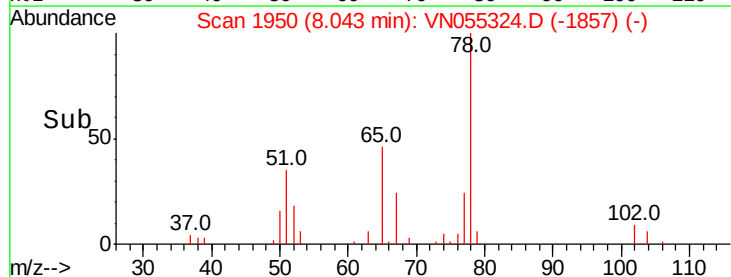
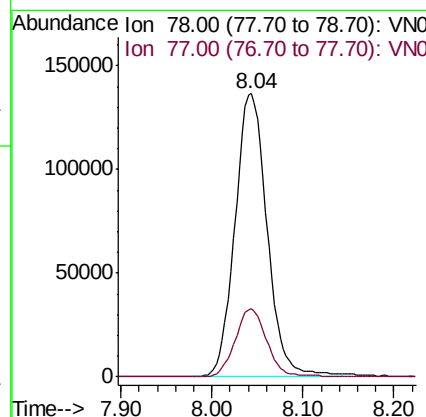
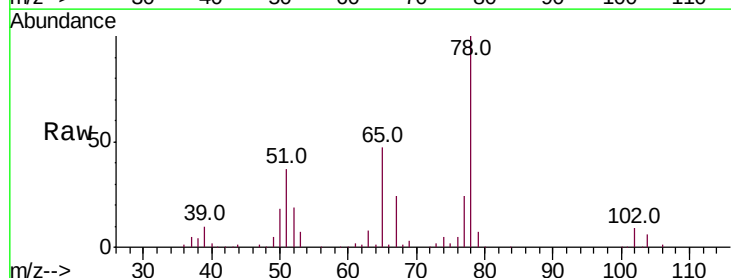
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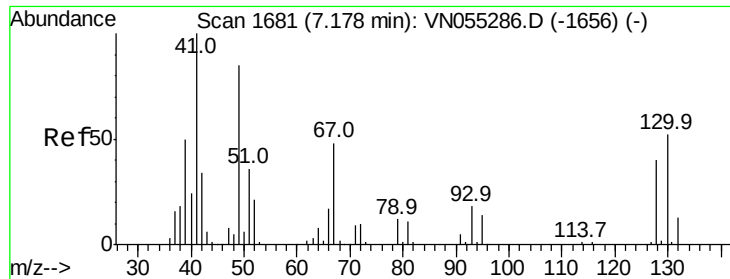
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#40
Benzene
Concen: 19.807 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN055324.D
Acq: 1 May 2019 13:02

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.0	28.6





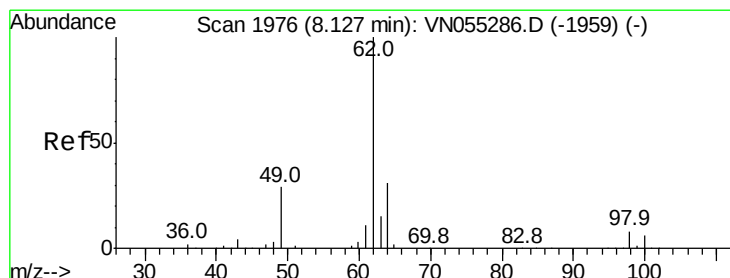
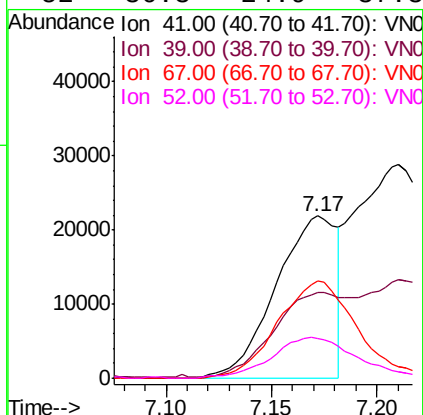
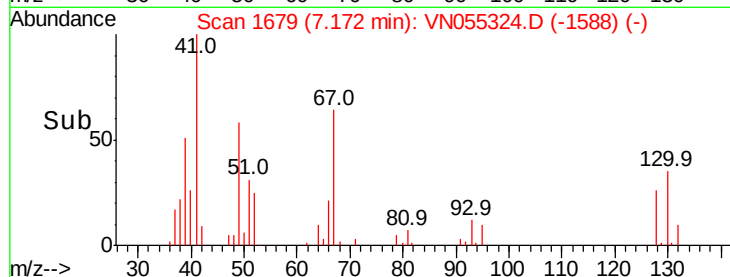
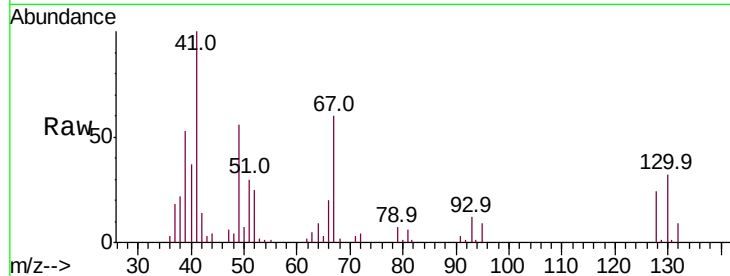
#41
Methacrylonitrile
Concen: 18.882 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.01 min
Lab File: VN055324.D
Acq: 1 May 2019 13:02

Instrument :
MSVOA_N
ClientSampleId :
VN0501WBSD01

Tot Ion	41	Resp	43966
Ion	Ratio	Lower	Upper
41	100		
39	58.2	48.5	72.7
67	78.9	54.9	82.3
52	36.3	24.9	37.3

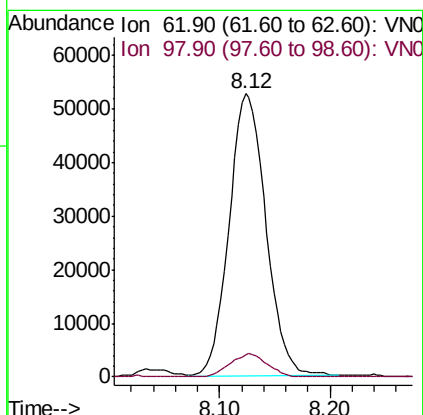
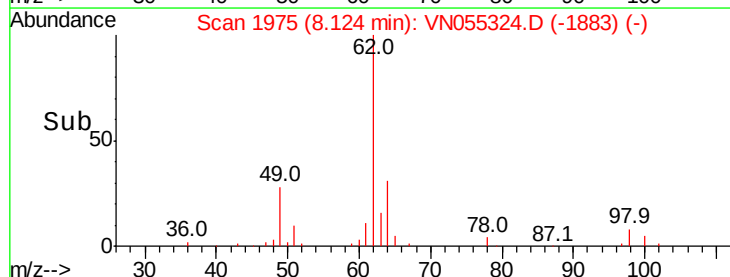
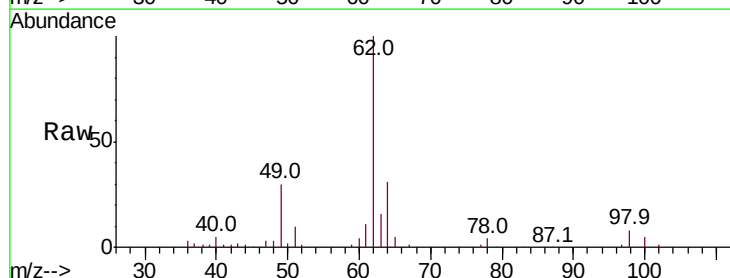
Manual Integrations
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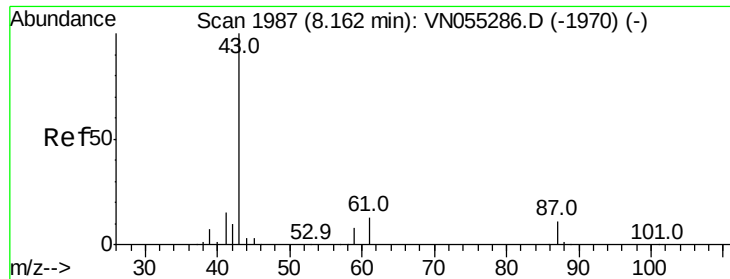
MMDadoda
5/2/2019 9:35:41 AM



#42
1,2-Dichloroethane
Concen: 20.295 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN055324.D
Acq: 1 May 2019 13:02

Tgt Ion	62	Resp	121969
Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	16.4





#43

Isopropyl Acetate

Concen: 22.496 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN055324.D

Acq: 1 May 2019 13:02

Instrument :

MSVOA_N

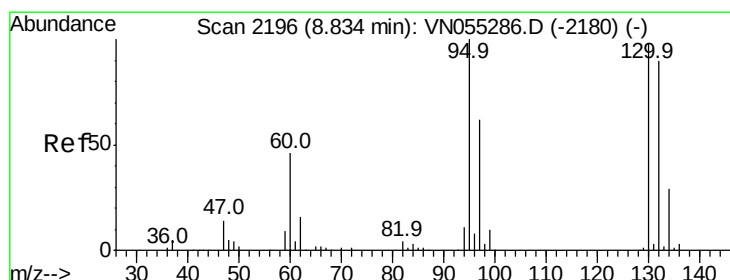
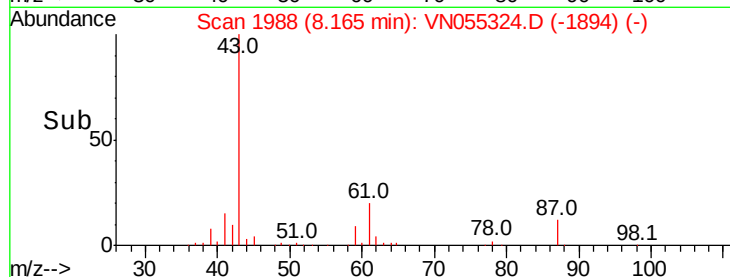
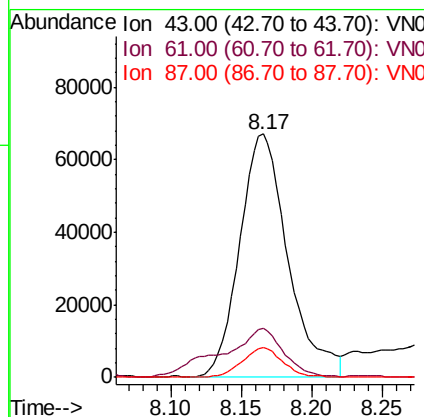
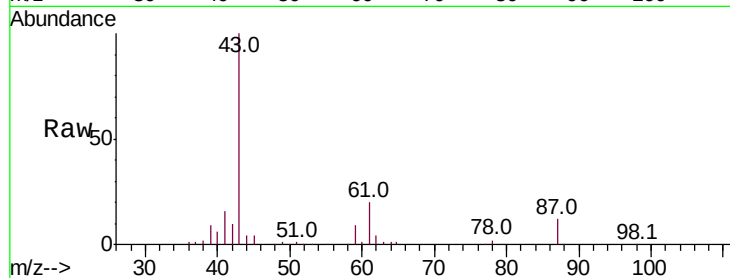
ClientSampleId :

VN0501WBSD01

Tot Ion:	43	Resp:	159487
Ion	Ratio	Lower	Upper
43	100		
61	25.4	20.8	31.2
87	10.5	8.5	12.7

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5/2/2019 9:35:41 AM



#44

Trichloroethene

Concen: 19.154 ug/l

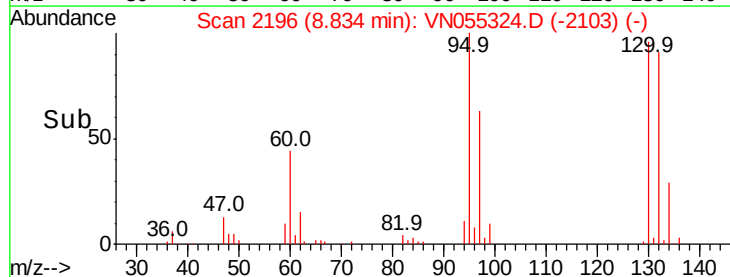
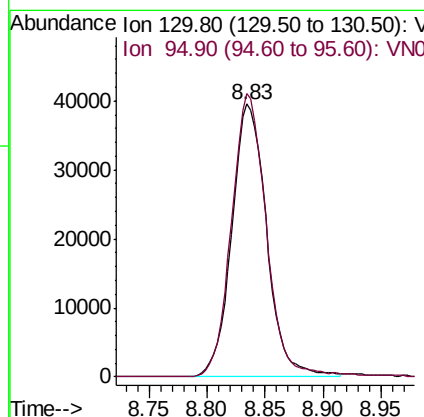
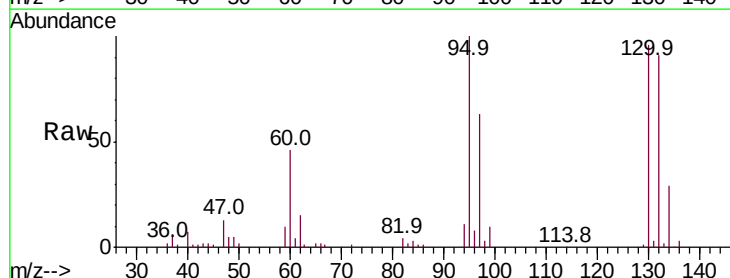
RT: 8.83 min Scan# 2196

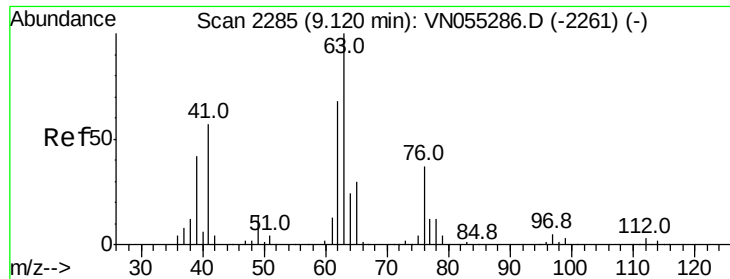
Delta R.T. 0.00 min

Lab File: VN055324.D

Acq: 1 May 2019 13:02

Tgt Ion:	130	Resp:	82855
Ion	Ratio	Lower	Upper
130	100		
95	103.8	0.0	203.4





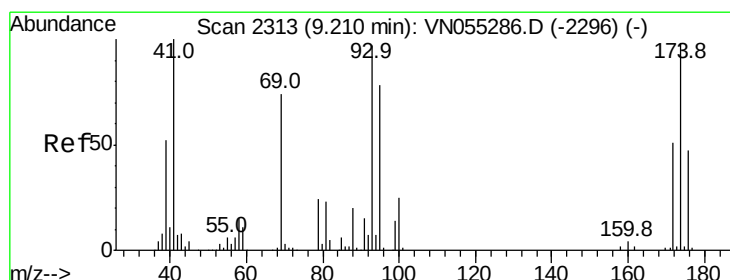
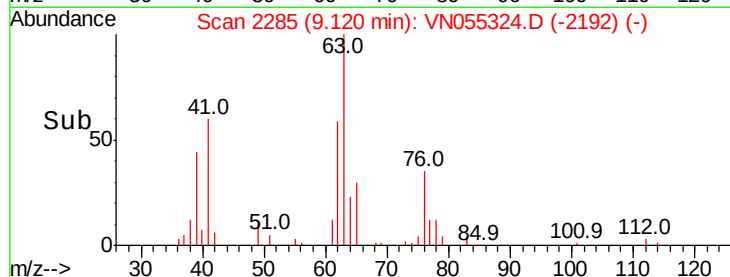
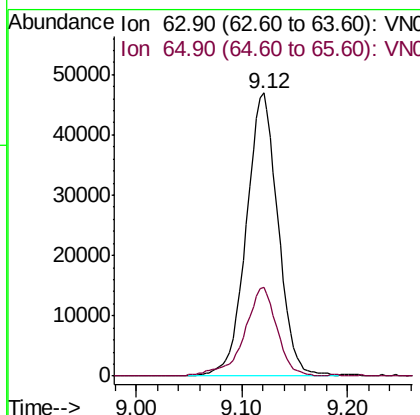
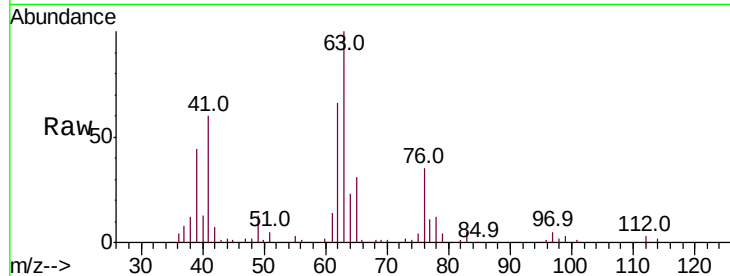
#45
 1,2-Dichloropropane
 Concen: 20.106 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN055324.D
 Acq: 1 May 2019 13:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0501WBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.9	23.9	35.9

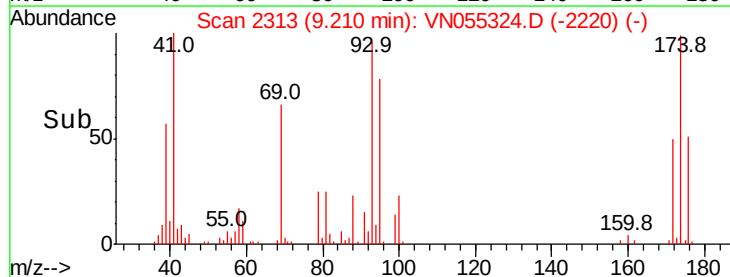
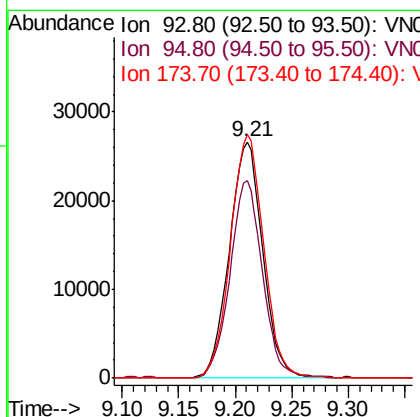
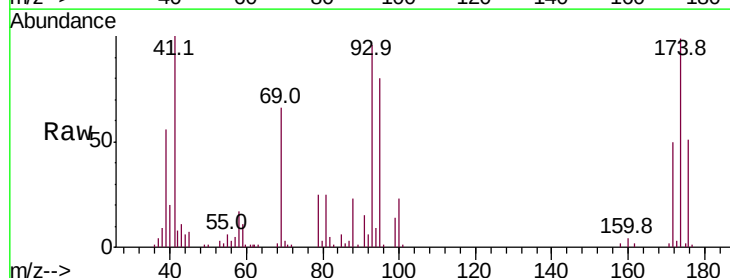
Manual Integrations
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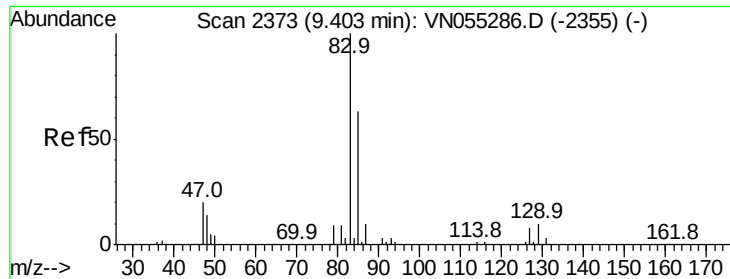
MMDadoda
 5/2/2019 9:35:41 AM



#46
 Dibromomethane
 Concen: 20.514 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN055324.D
 Acq: 1 May 2019 13:02

Tgt Ion	Ratio	Lower	Upper
93	100		
95	80.6	65.7	98.5
174	102.1	81.5	122.3





#47

Bromodichloromethane

Concen: 20.080 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055324.D

Acq: 1 May 2019 13:02

Instrument :

MSVOA_N

ClientSampleId :

VN0501WBSD01

Tot Ion: 83 Resp: 115238

Ion Ratio Lower Upper

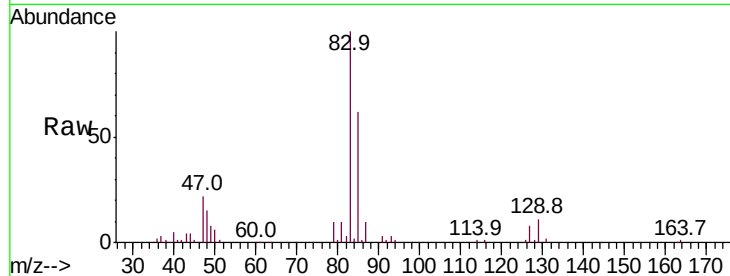
83 100

85 62.3 50.1 75.1

127 8.3 6.7 10.1

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MMDadoda
5/2/2019 9:35:41 AM

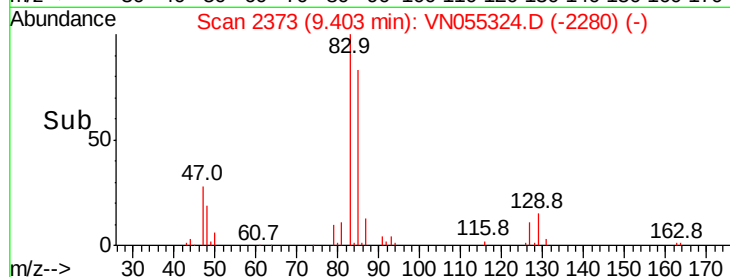


Abundance Ion 82.90 (82.60 to 83.60): VN055324.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN055324.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN055324.D (-2280) (-)

Time-->

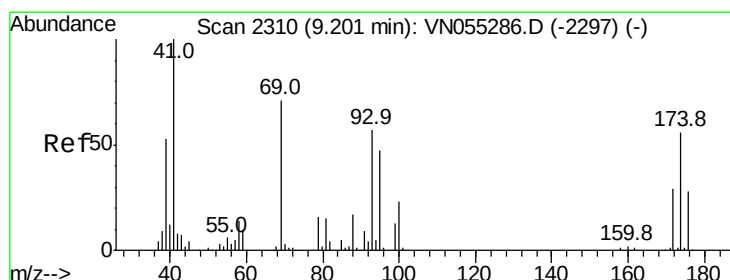


Abundance Ion 82.90 (82.60 to 83.60): VN055324.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN055324.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN055324.D (-2280) (-)

Time-->



#48

Methyl methacrylate

Concen: 20.324 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN055324.D

Acq: 1 May 2019 13:02

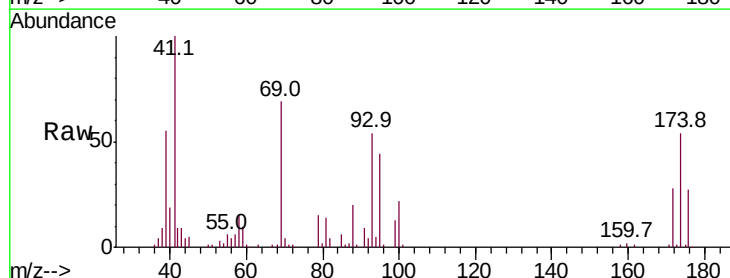
Tgt Ion: 41 Resp: 70833

Ion Ratio Lower Upper

41 100

69 75.3 58.6 87.8

39 58.4 43.8 65.6

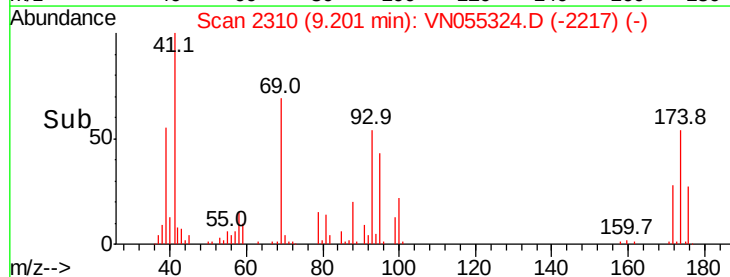


Abundance Ion 41.00 (40.70 to 41.70): VN055324.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN055324.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN055324.D (-2217) (-)

Time-->

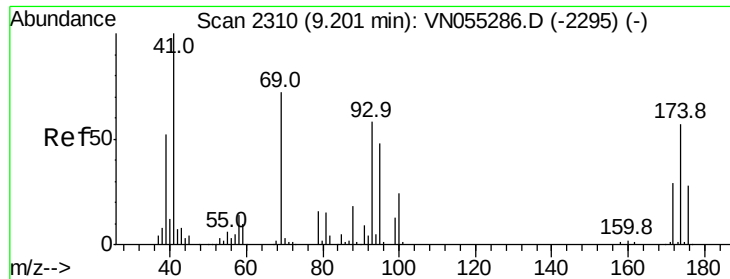


Abundance Ion 41.00 (40.70 to 41.70): VN055324.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN055324.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN055324.D (-2217) (-)

Time-->



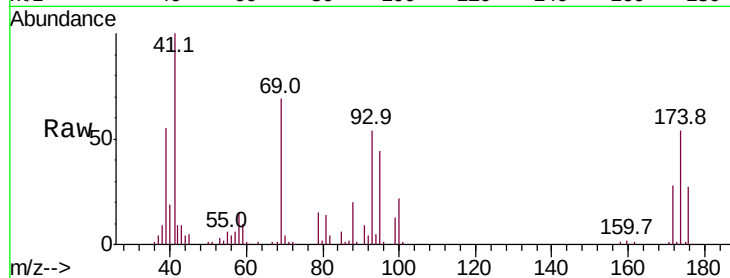
#49
1,4-Dioxane
Concen: 440.268 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN055324.D
Acq: 1 May 2019 13:02

Instrument :
MSVOA_N
ClientSampleId :
VN0501WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.2	33.3	49.9
58	81.9	62.7	94.1

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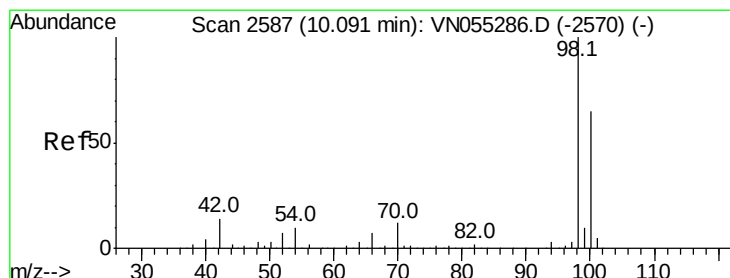
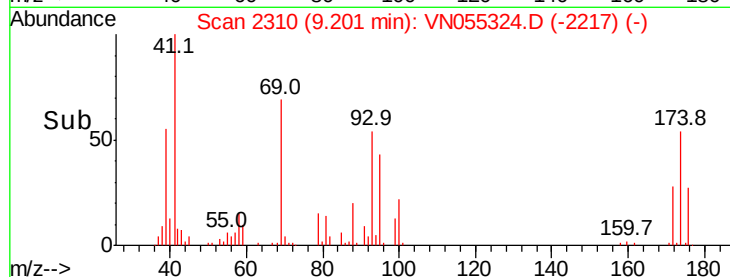
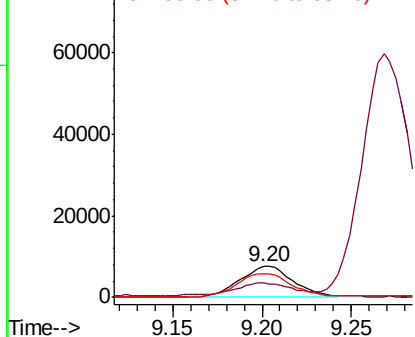


Abundance

Ion 88.00 (87.70 to 88.70): VN0

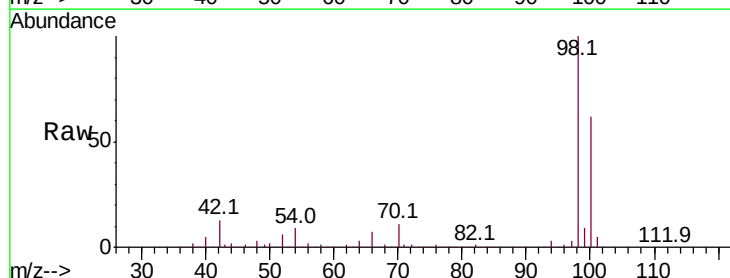
Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50
Toluene-d8
Concen: 50.847 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN055324.D
Acq: 1 May 2019 13:02

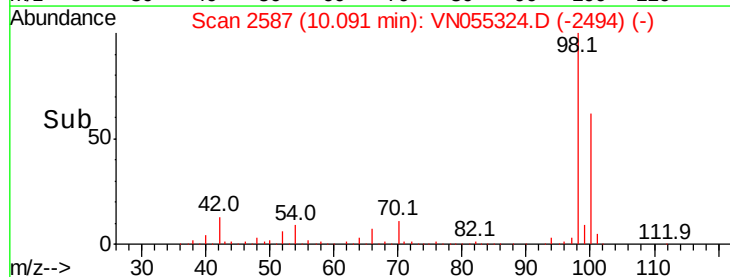
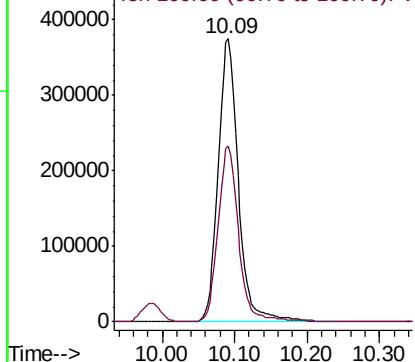
Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.4	51.7	77.5

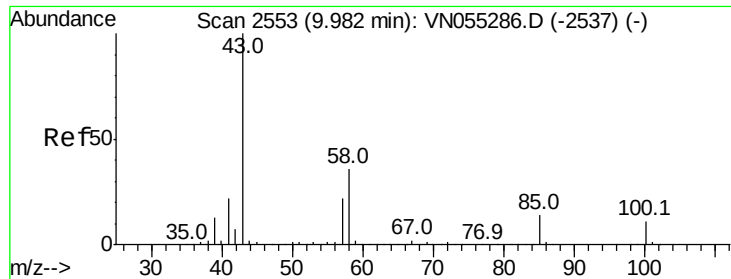


Abundance

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 106.666 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055324.D

Acq: 1 May 2019 13:02

Instrument :

MSVOA_N

ClientSampleId :

VN0501WBSD01

Tot Ion: 43 Resp: 425762

Ion Ratio Lower Upper

43 100

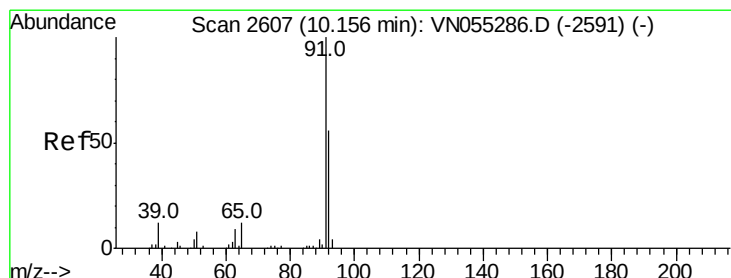
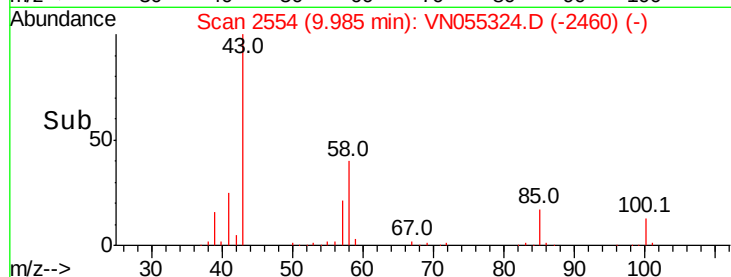
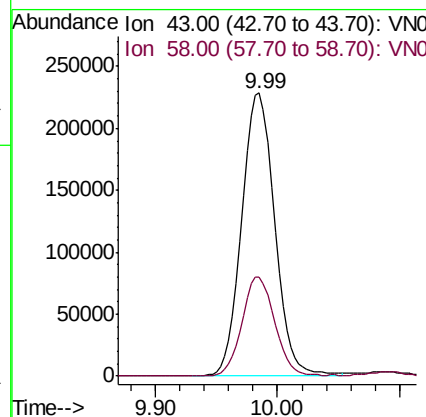
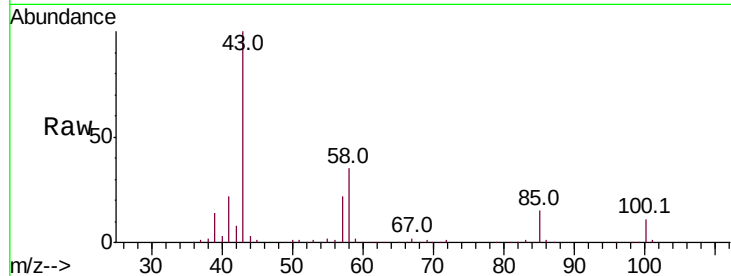
58 34.8 28.5 42.7

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#52

Toluene

Concen: 19.983 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055324.D

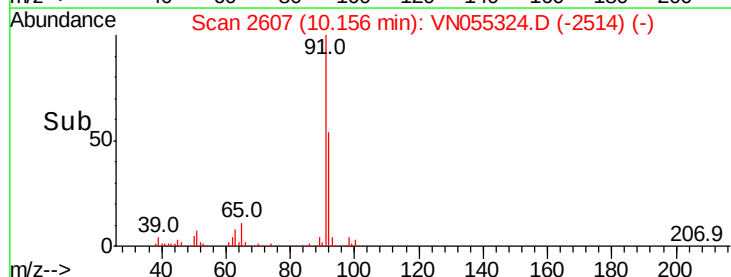
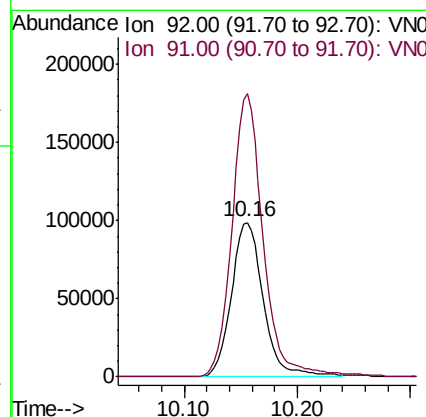
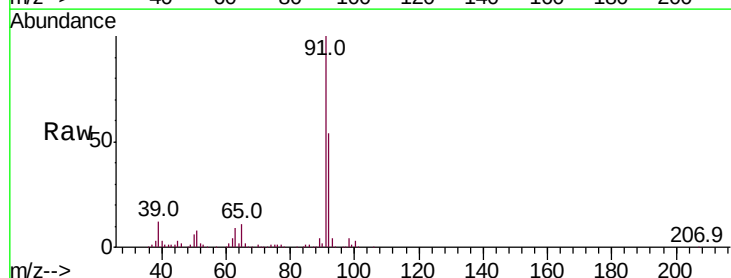
Acq: 1 May 2019 13:02

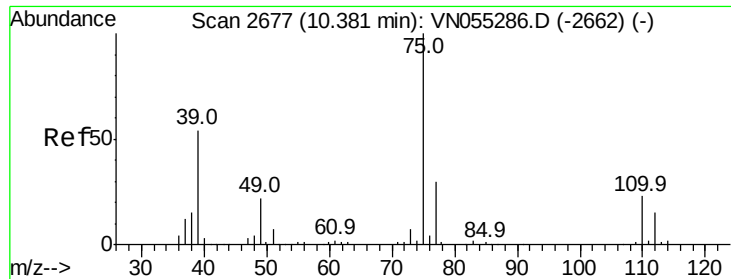
Tgt Ion: 92 Resp: 194551

Ion Ratio Lower Upper

92 100

91 179.8 140.1 210.1





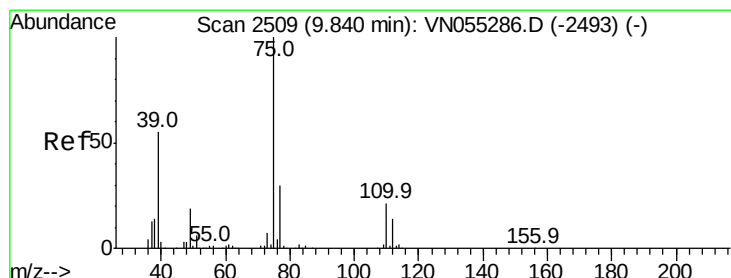
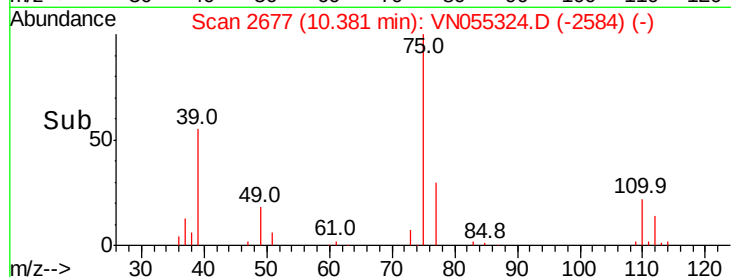
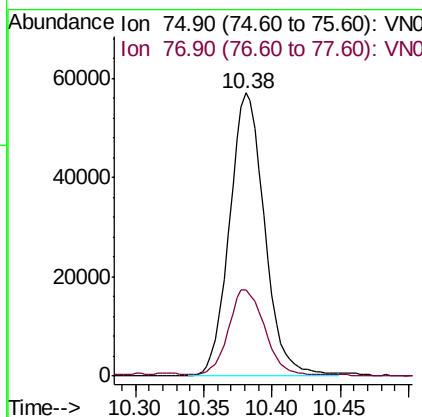
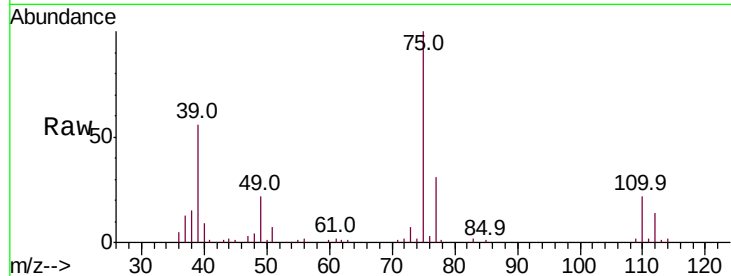
#53
t-1,3-Dichloropropene
Concen: 20.473 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN055324.D
Acq: 1 May 2019 13:02

Instrument :
MSVOA_N
ClientSampleId :
VN0501WBSD01

Tot Ion: 75 Resp: 101992
Ion Ratio Lower Upper
75 100
77 30.1 24.4 36.6

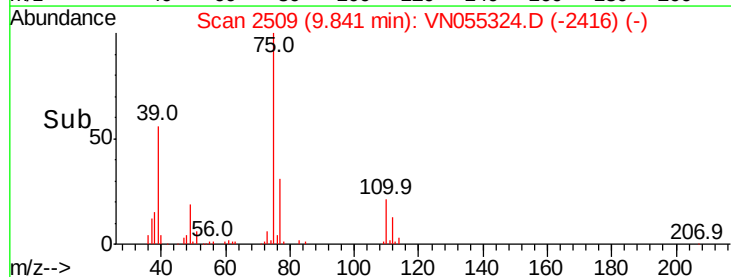
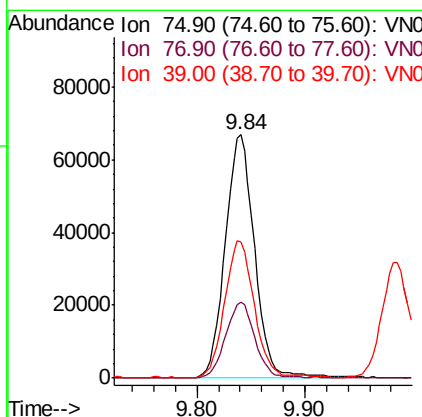
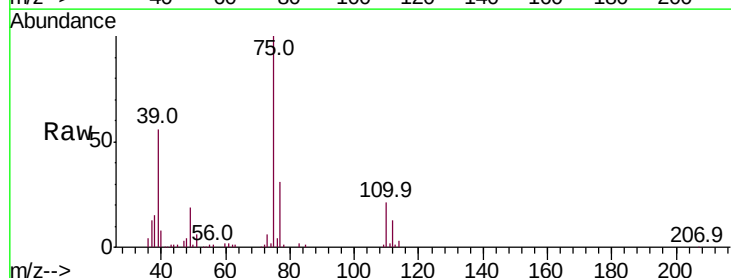
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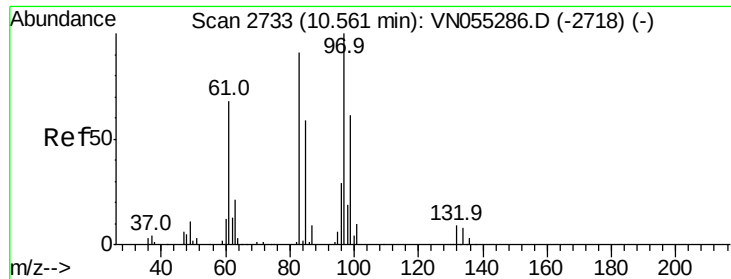
MMDadoda
5/2/2019 9:35:41 AM



#54
cis-1,3-Dichloropropene
Concen: 20.398 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN055324.D
Acq: 1 May 2019 13:02

Tgt Ion: 75 Resp: 126702
Ion Ratio Lower Upper
75 100
77 31.4 24.2 36.2
39 55.7 44.2 66.2





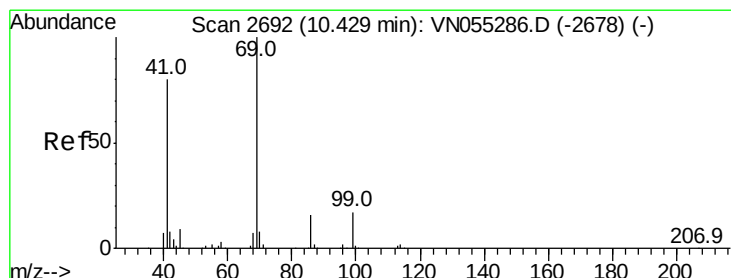
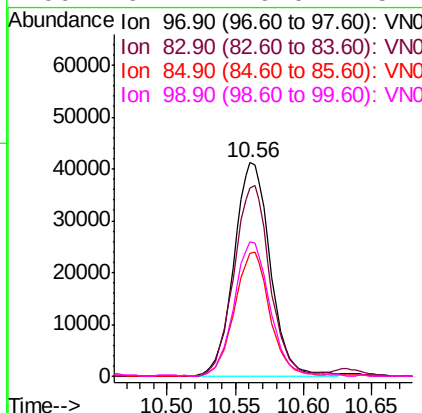
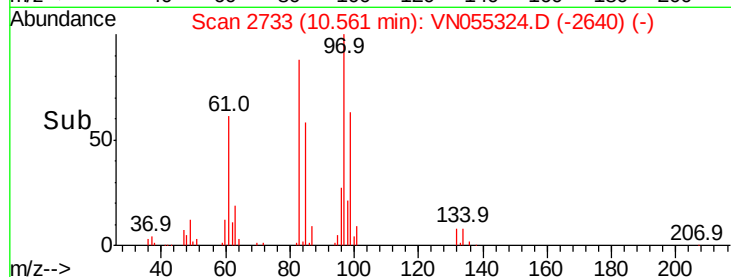
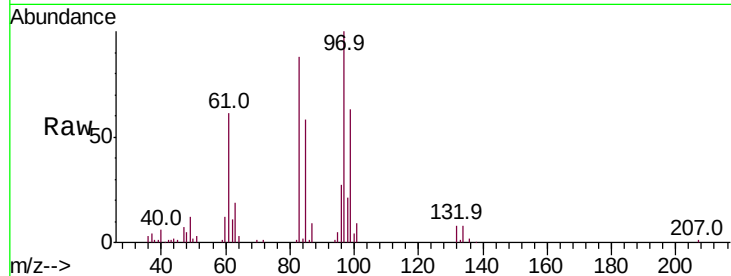
#55
 1,1,2-Trichloroethane
 Concen: 21.084 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN055324.D
 Acq: 1 May 2019 13:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0501WBSD01

Tot Ion:	97	Resp:	76227
Ion	Ratio	Lower	Upper
97	100		
83	88.2	72.8	109.2
85	57.6	47.0	70.6
99	62.7	49.0	73.4

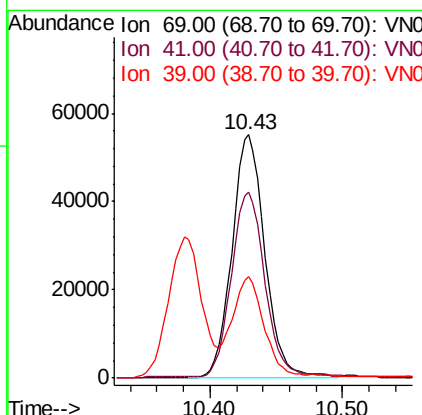
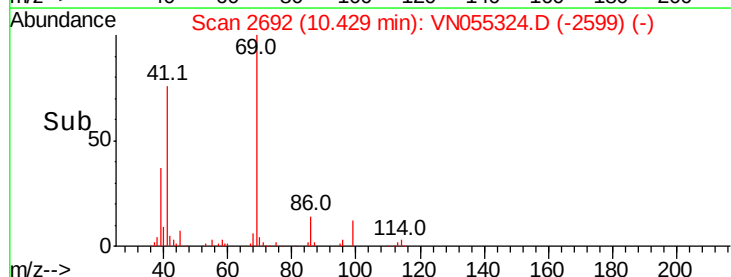
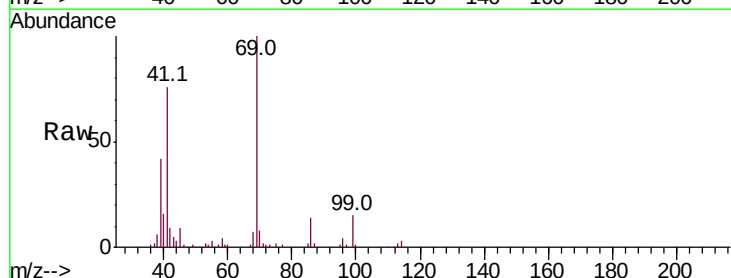
Manual Integrations
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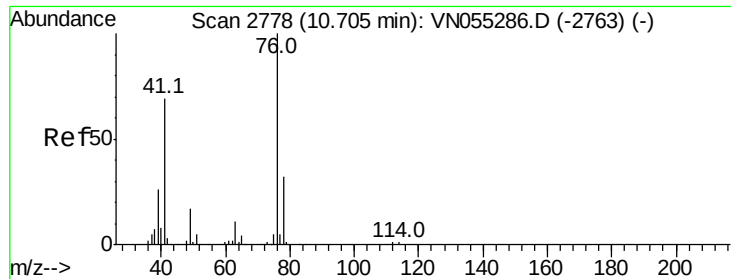
MMDadoda
 5/2/2019 9:35:41 AM



#56
 Ethyl methacrylate
 Concen: 21.399 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN055324.D
 Acq: 1 May 2019 13:02

Tgt Ion:	69	Resp:	95222
Ion	Ratio	Lower	Upper
69	100		
41	77.3	62.7	94.1
39	40.0	32.0	48.0





#57

1,3-Dichloropropane

Concen: 20.576 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN055324.D

Acq: 1 May 2019 13:02

Instrument :

MSVOA_N

ClientSampleId :

VN0501WBSD01

Tot Ion: 76 Resp: 130502

Ion Ratio Lower Upper

76 100

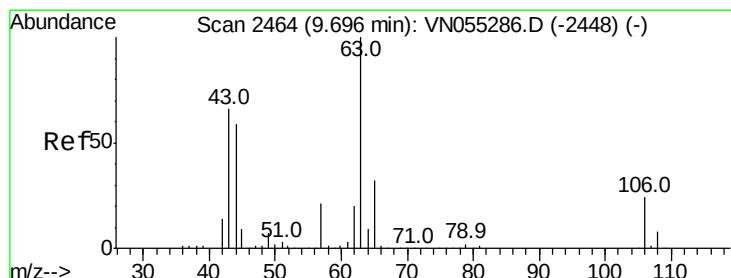
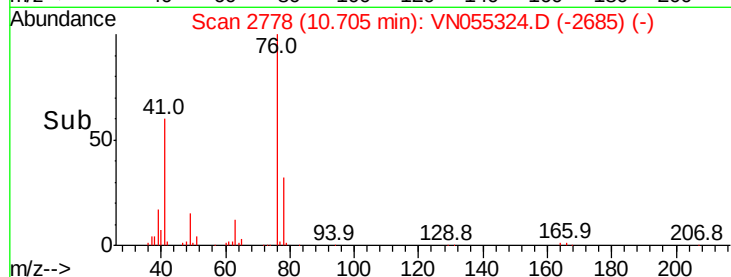
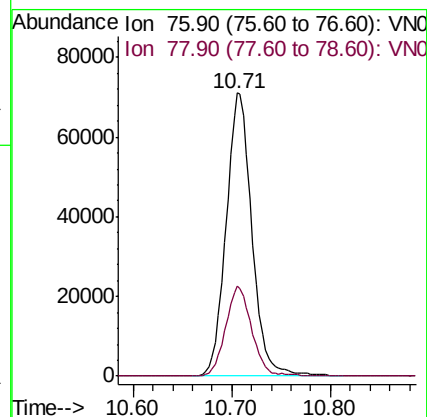
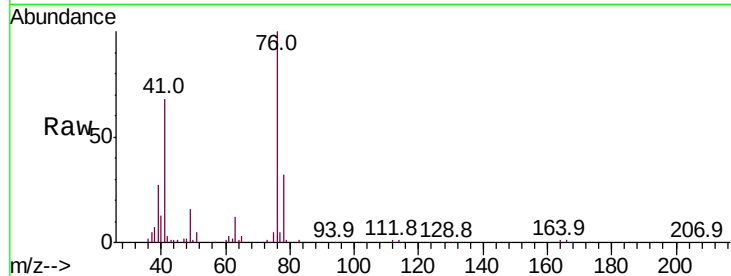
78 32.1 25.6 38.4

Manual Integrations

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MMDadoda

5/2/2019 9:35:41 AM



#58

2-Chloroethyl Vinyl ether

Concen: 98.936 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN055324.D

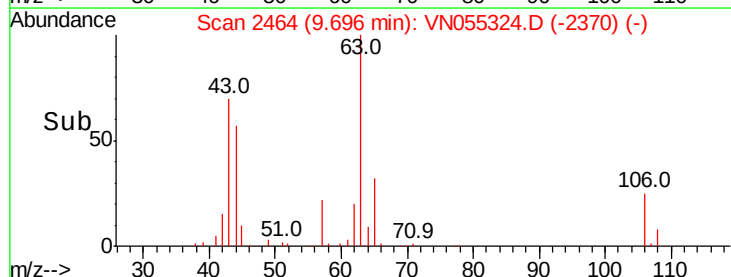
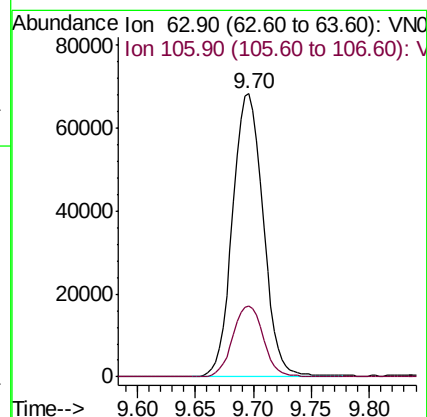
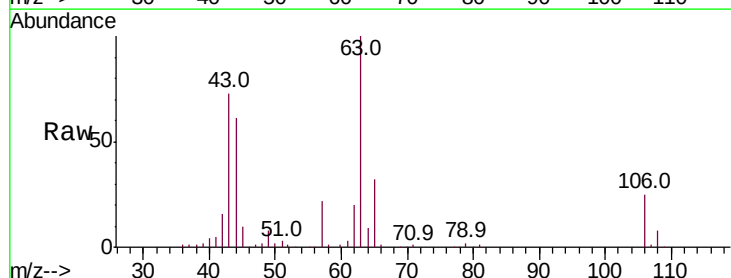
Acq: 1 May 2019 13:02

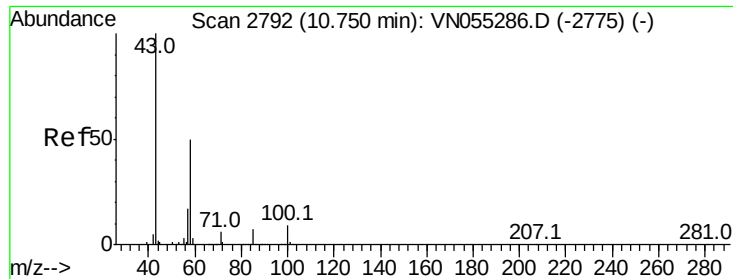
Tgt Ion: 63 Resp: 125741

Ion Ratio Lower Upper

63 100

106 25.0 19.0 28.4





#59

2-Hexanone

Concen: 107.824 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. 0.00 min

Lab File: VN055324.D

Acq: 1 May 2019 13:02

Instrument :

MSVOA_N

ClientSampleId :

VN0501WBSD01

Tot Ion: 43 Resp: 269283

Ion Ratio Lower Upper

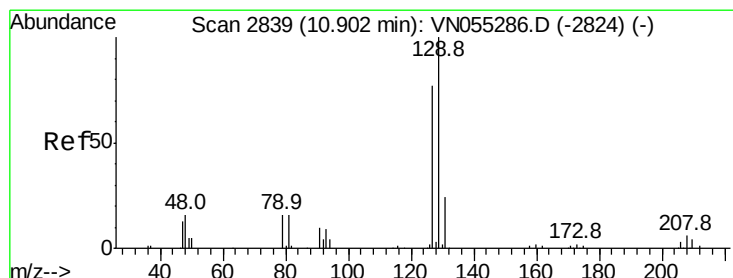
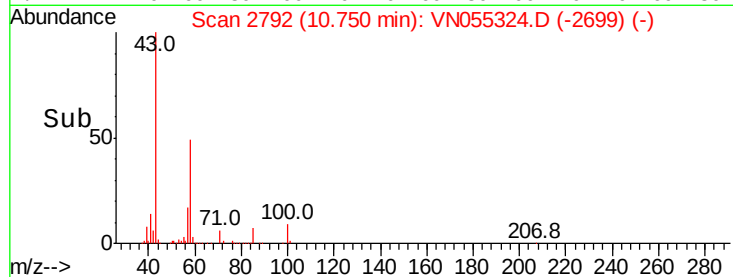
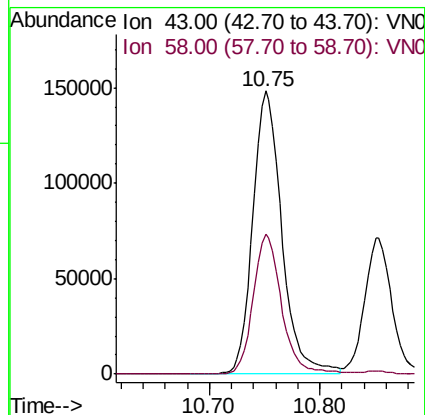
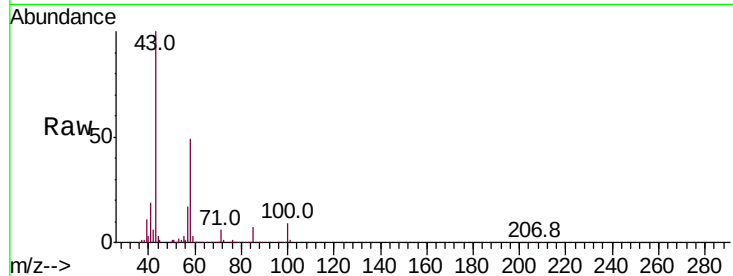
43 100

58 48.6 24.9 74.6

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#60

Dibromochloromethane

Concen: 20.494 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN055324.D

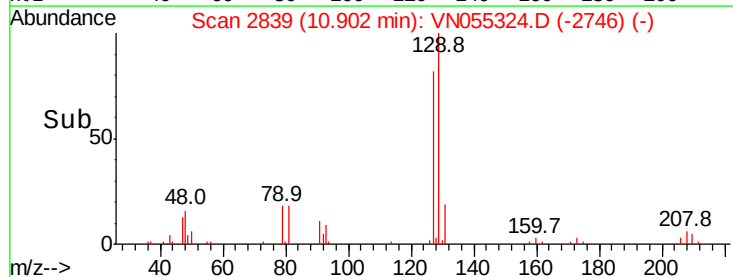
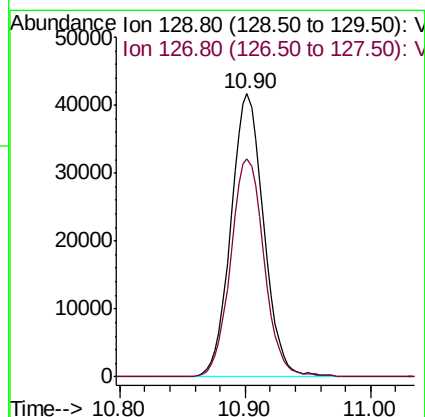
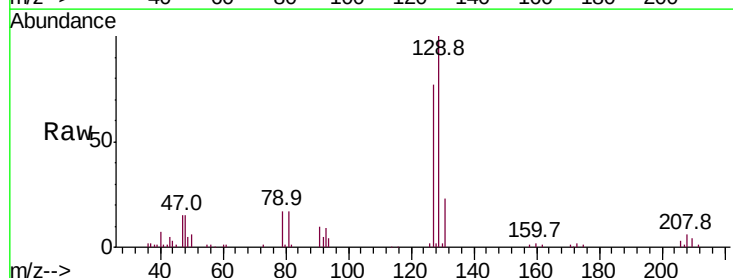
Acq: 1 May 2019 13:02

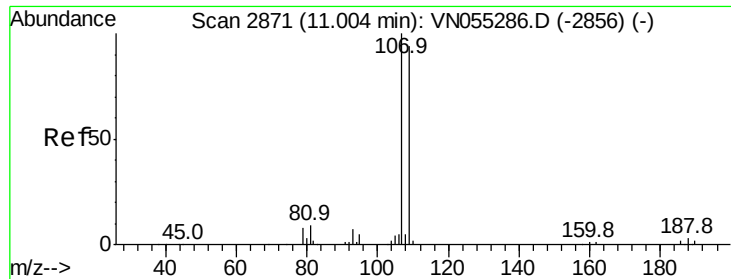
Tgt Ion: 129 Resp: 75728

Ion Ratio Lower Upper

129 100

127 78.6 38.1 114.5





#61

1,2-Dibromoethane

Concen: 20.786 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN055324.D

Acq: 1 May 2019 13:02

Instrument :

MSVOA_N

ClientSampleId :

VN0501WBSD01

Tot Ion:107 Resp: 69459

Ion Ratio Lower Upper

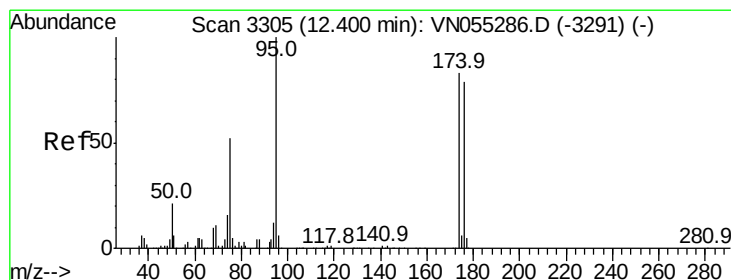
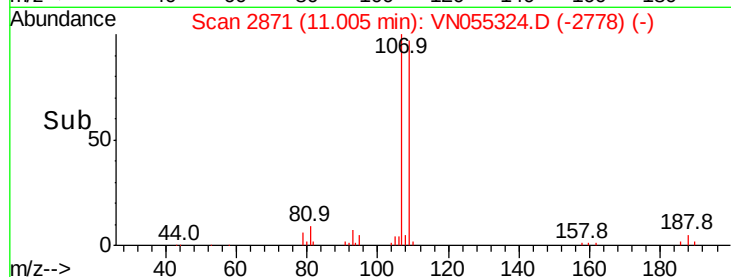
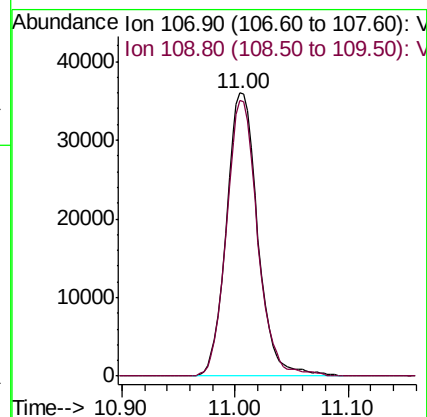
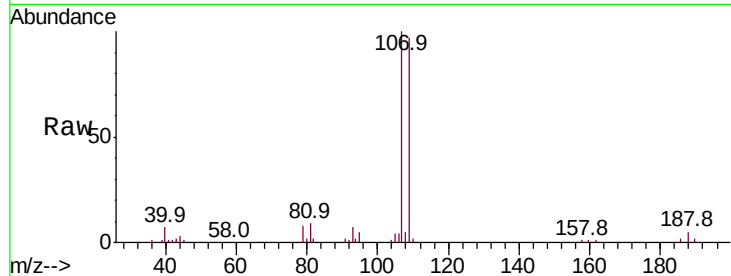
107 100

109 96.5 75.0 112.6

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#62

4-Bromofluorobenzene

Concen: 51.422 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055324.D

Acq: 1 May 2019 13:02

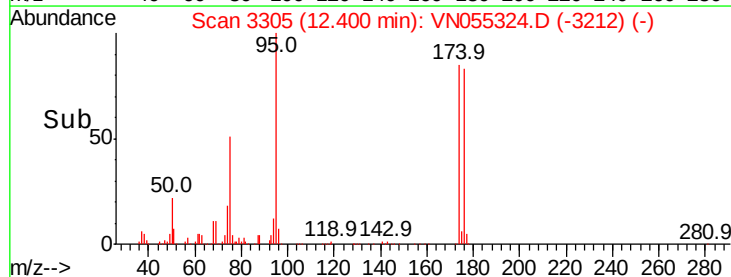
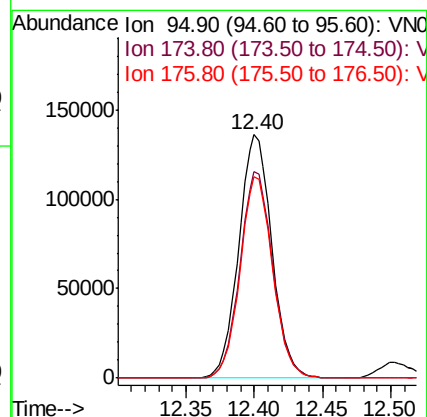
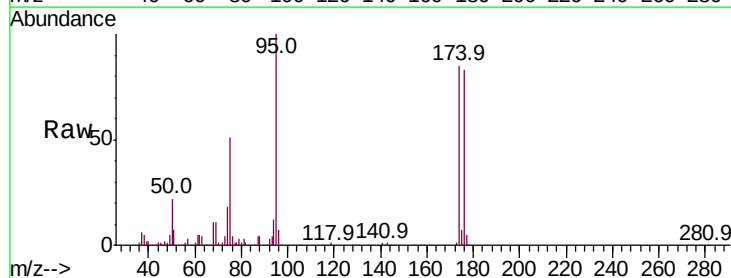
Tgt Ion: 95 Resp: 228897

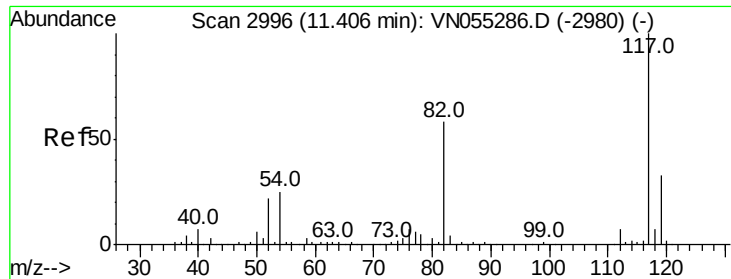
Ion Ratio Lower Upper

95 100

174 83.9 0.0 166.6

176 81.4 0.0 157.8





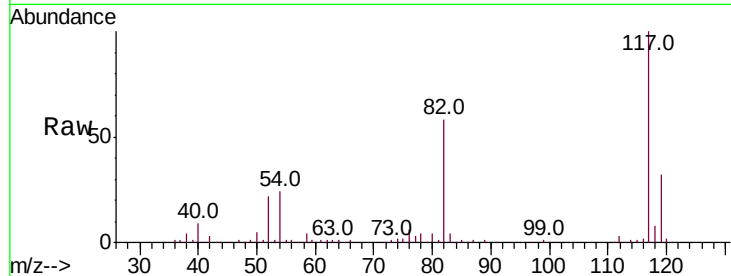
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055324.D
Acq: 1 May 2019 13:02

Instrument :
MSVOA_N
ClientSampled :
VN0501WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.7	46.2	69.4
119	32.3	26.6	40.0

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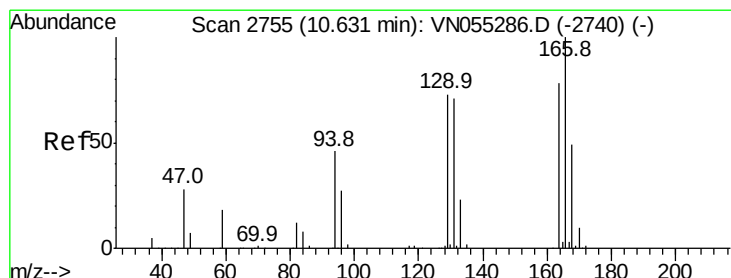
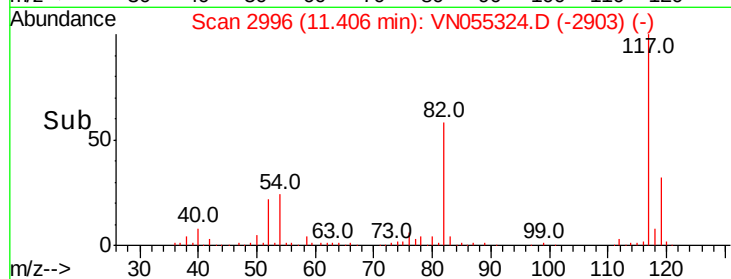
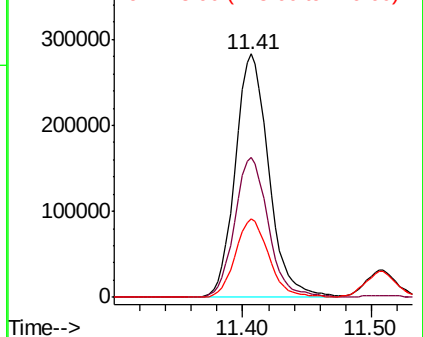


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 19.597 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055324.D
Acq: 1 May 2019 13:02

Tgt Ion	Ratio	Lower	Upper
164	100		
166	120.4	102.3	153.5
129	88.5	75.0	112.6
131	86.5	72.7	109.1

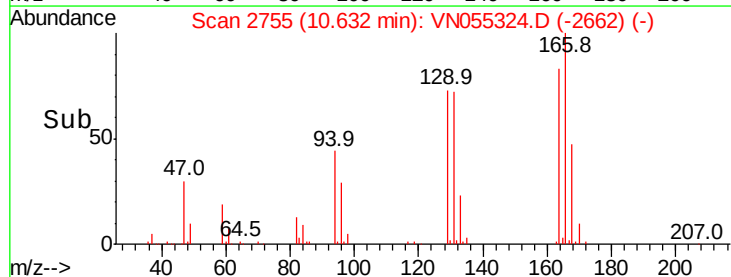
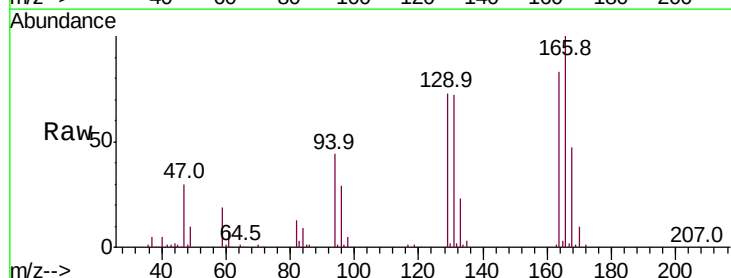
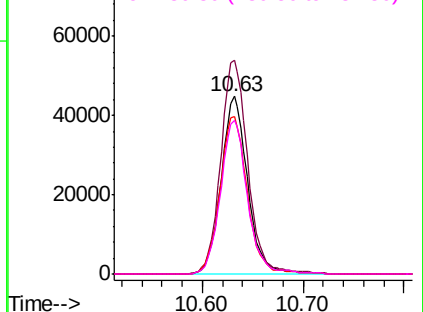
Abundance

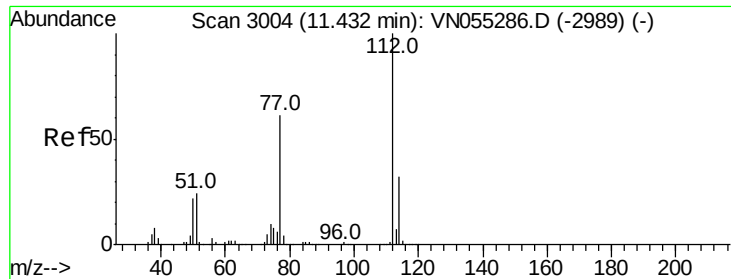
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 19.765 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN055324.D

Acq: 1 May 2019 13:02

Instrument :

MSVOA_N

ClientSampleId :

VN0501WBSD01

Tot Ion:112 Resp: 197422

Ion Ratio Lower Upper

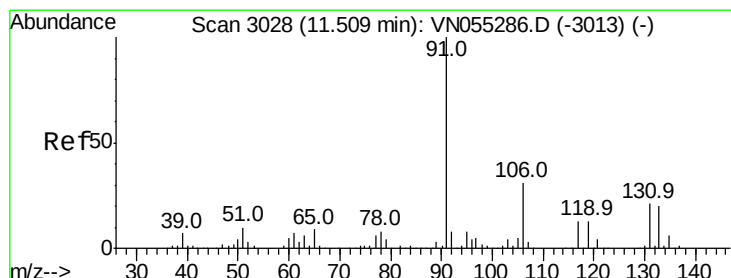
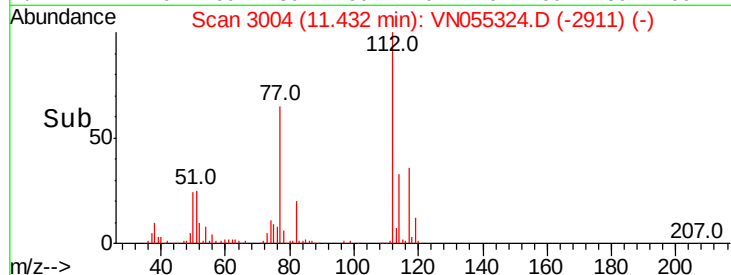
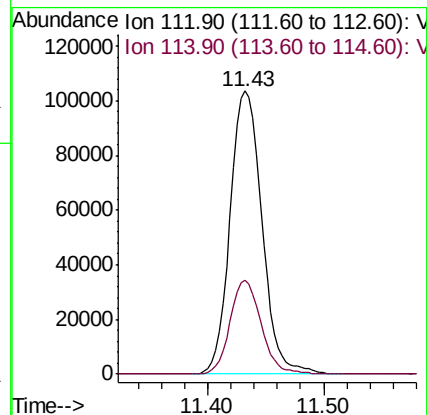
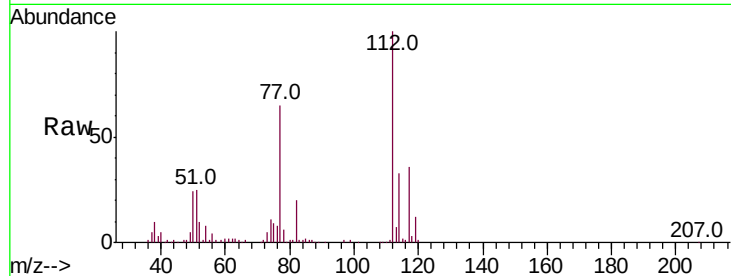
112 100

114 33.1 25.3 37.9

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#66

1,1,1,2-Tetrachloroethane

Concen: 19.979 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN055324.D

Acq: 1 May 2019 13:02

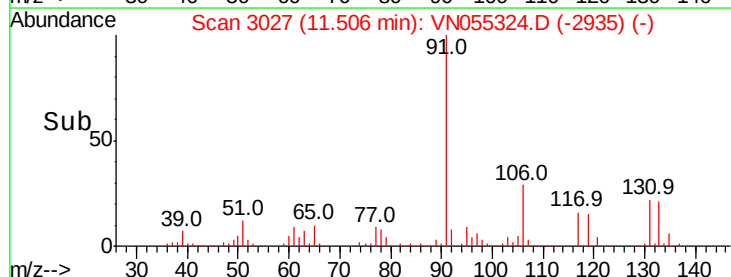
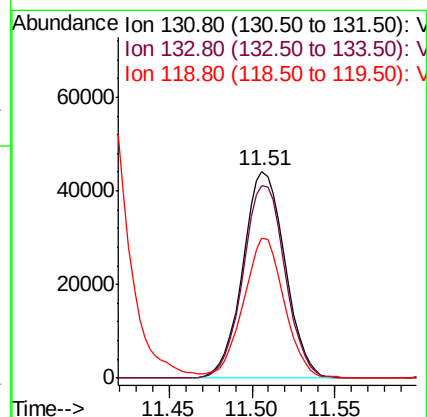
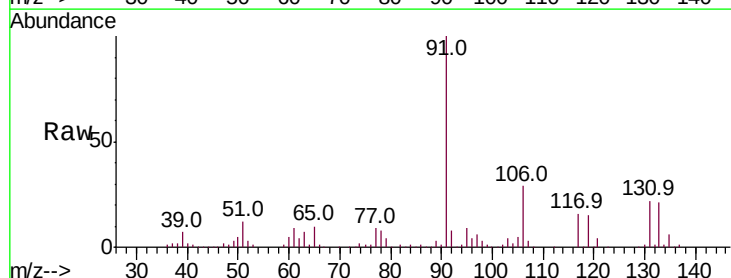
Tgt Ion:131 Resp: 78139

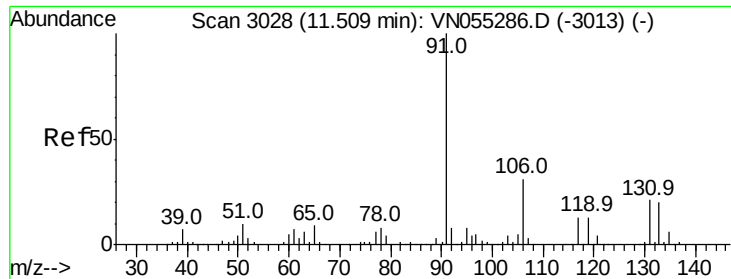
Ion Ratio Lower Upper

131 100

133 93.1 47.5 142.6

119 66.1 32.7 98.1





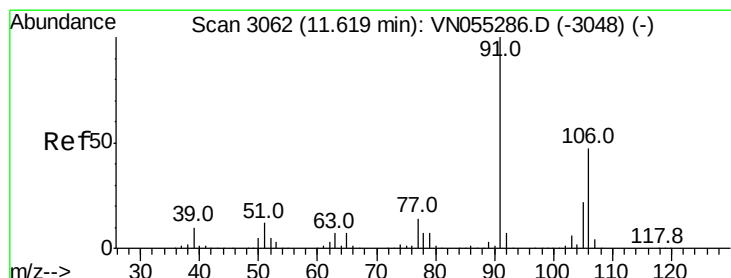
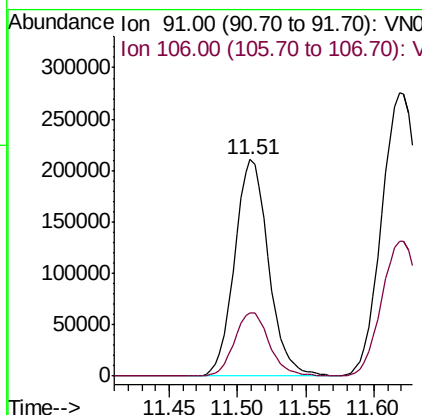
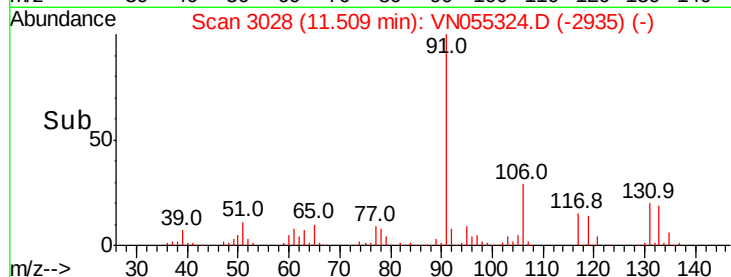
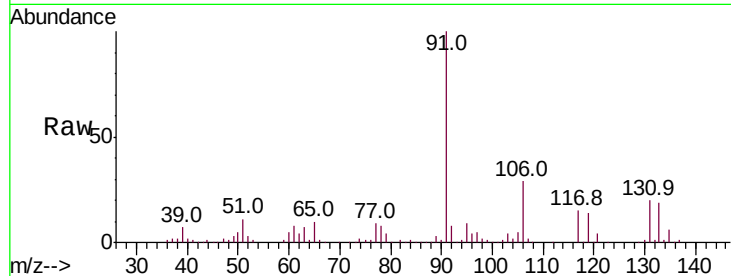
#67
Ethyl Benzene
Concen: 20.262 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055324.D
Acq: 1 May 2019 13:02

Instrument :
MSVOA_N
ClientSampleId :
VN0501WBSD01

Tot Ion: 91 Resp: 365463
Ion Ratio Lower Upper
91 100
106 29.4 24.6 36.8

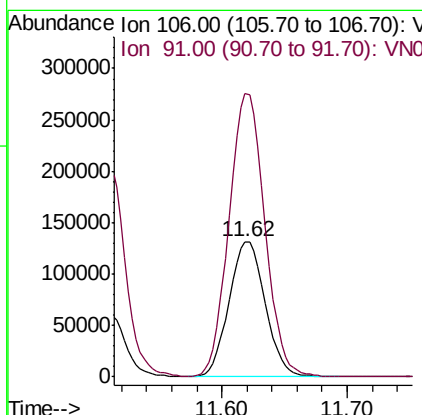
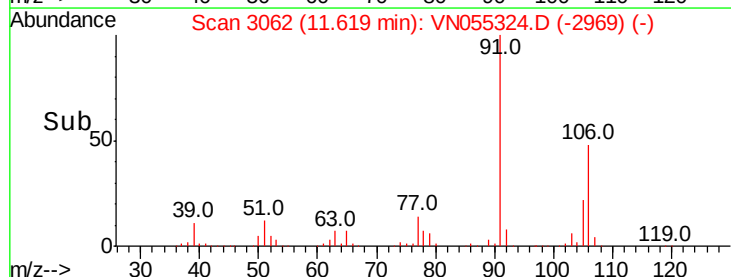
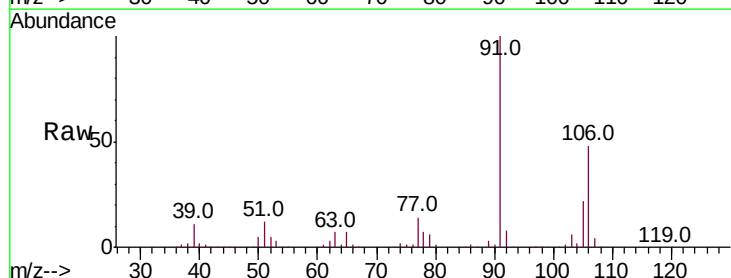
Manual Integrations
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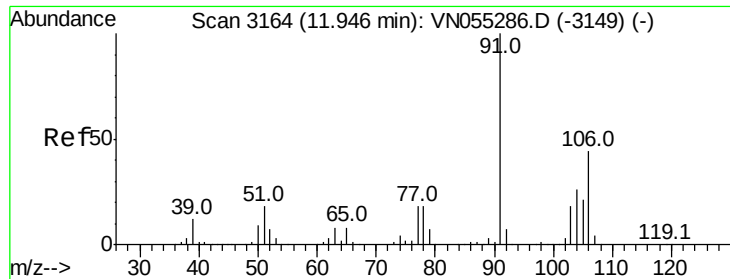
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#68
m/p-Xylenes
Concen: 40.989 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN055324.D
Acq: 1 May 2019 13:02

Tgt Ion: 106 Resp: 263892
Ion Ratio Lower Upper
106 100
91 207.1 169.5 254.3





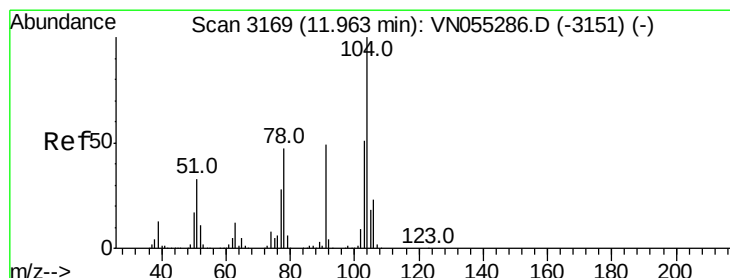
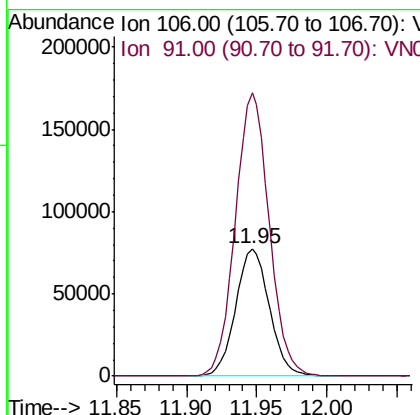
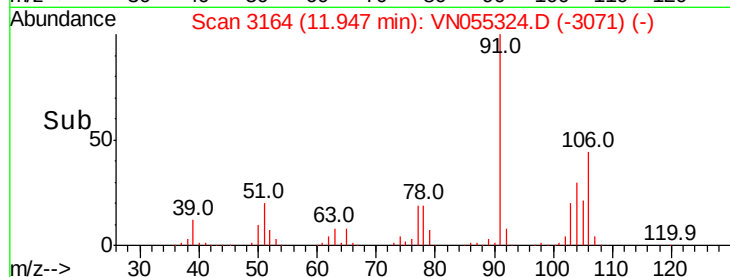
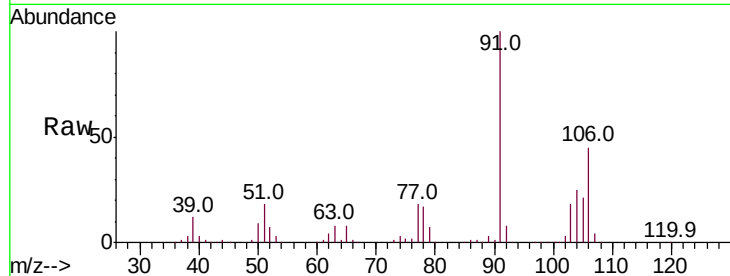
#69
o-Xylene
Concen: 20.354 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055324.D
Acq: 1 May 2019 13:02

Instrument :
MSVOA_N
ClientSampled :
VN0501WBSD01

Tot Ion:106 Resp: 129882
Ion Ratio Lower Upper
106 100
91 223.3 111.5 334.5

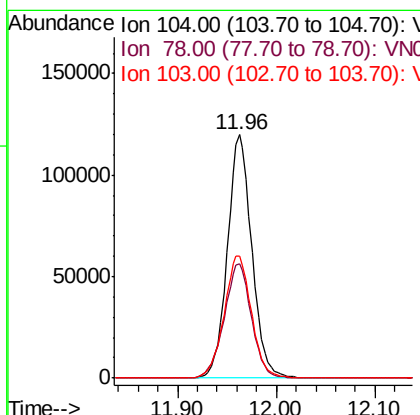
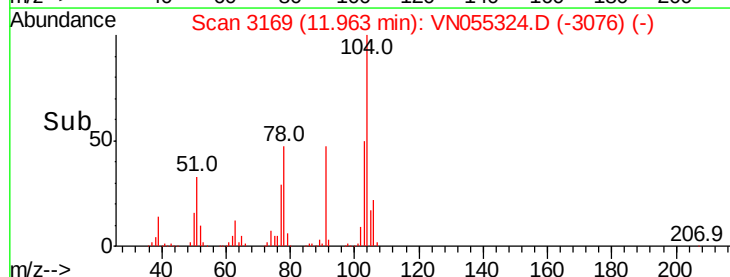
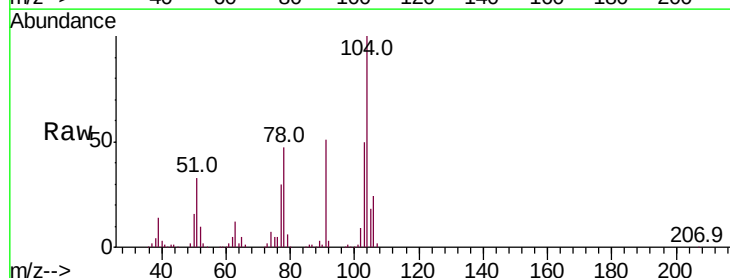
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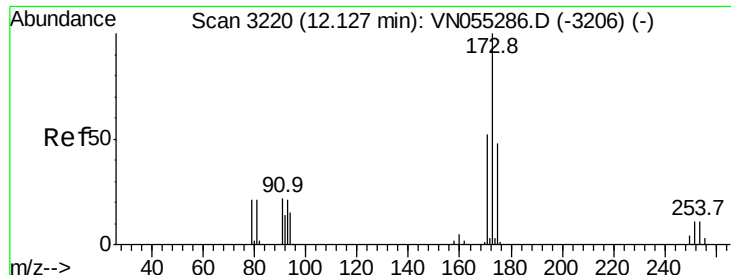
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#70
Styrene
Concen: 21.206 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055324.D
Acq: 1 May 2019 13:02

Tgt Ion:104 Resp: 207774
Ion Ratio Lower Upper
104 100
78 52.4 42.2 63.2
103 55.9 44.6 67.0





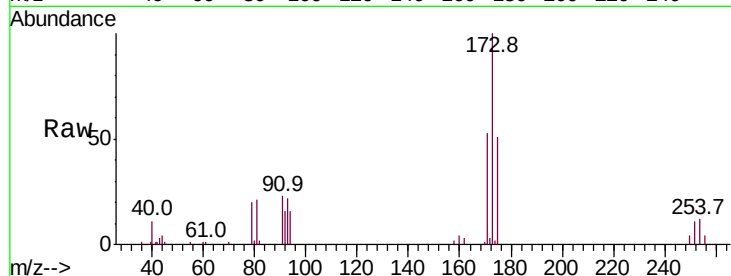
#71
Bromoform
Concen: 21.039 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN055324.D
Acq: 1 May 2019 13:02

Instrument :
MSVOA_N
ClientSampleId :
VN0501WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.9	23.6	71.0
254	0.0	0.0	0.0

Manual Integrations
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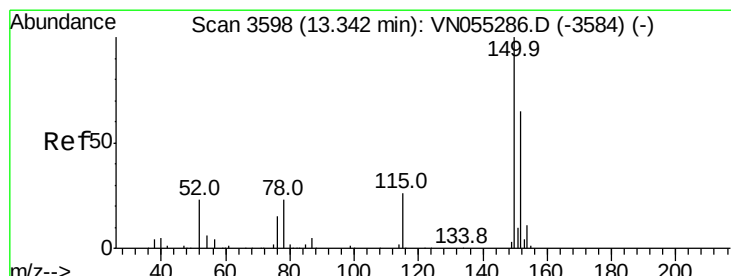
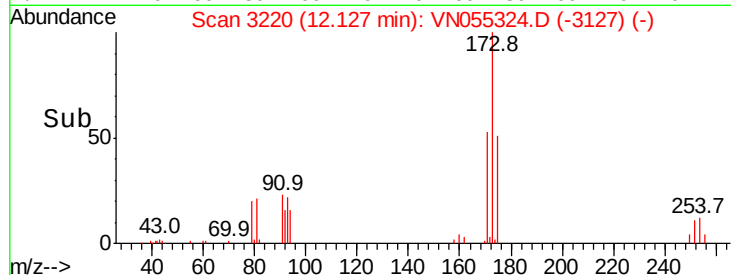
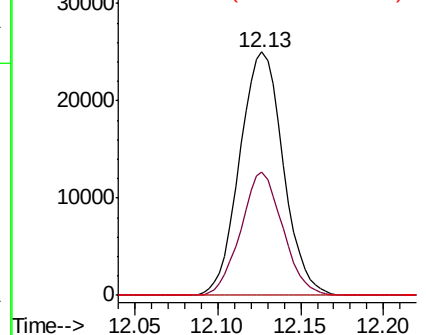


Abundance

Ion 172.70 (172.40 to 173.40): V

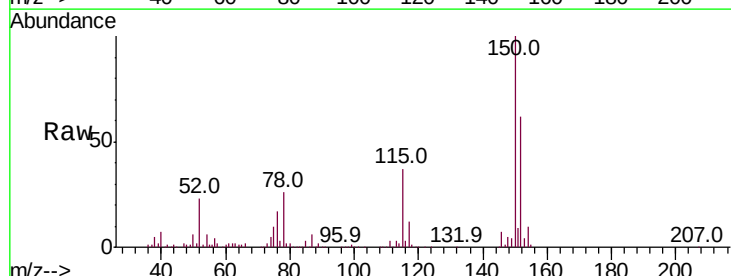
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN055324.D
Acq: 1 May 2019 13:02

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.0	29.0	87.0
150	165.1	0.0	345.6

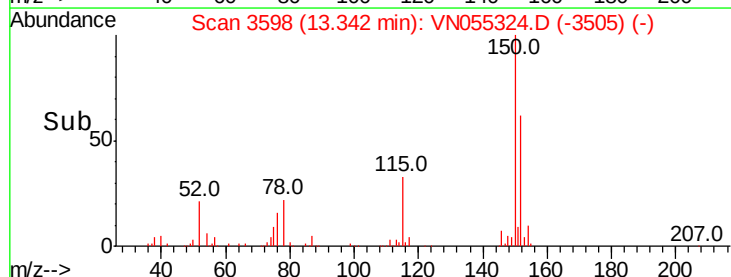
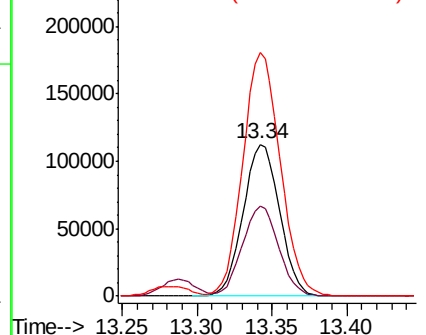


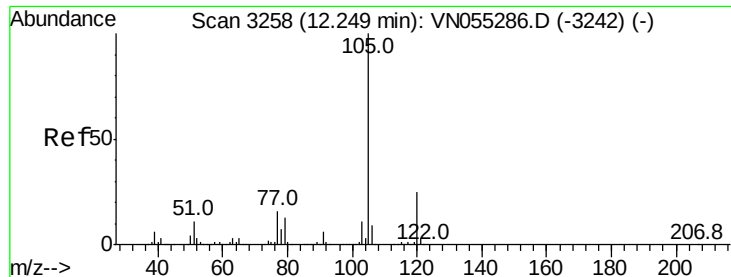
Abundance

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: 20.962 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055324.D

Acq: 1 May 2019 13:02

Instrument :

MSVOA_N

ClientSampleId :

VN0501WBSD01

Tot Ion:105 Resp: 346964

Ion Ratio Lower Upper

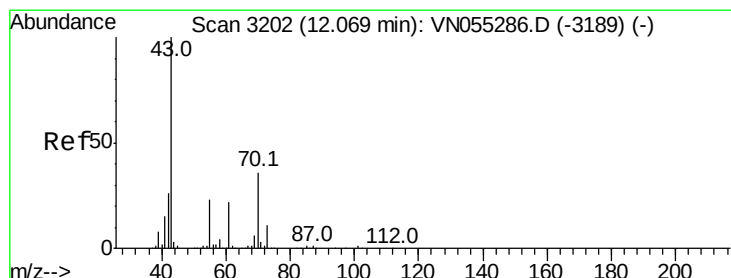
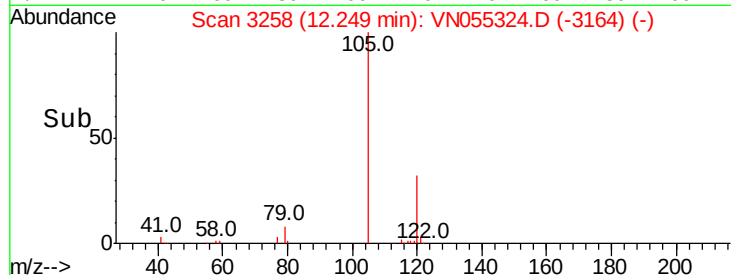
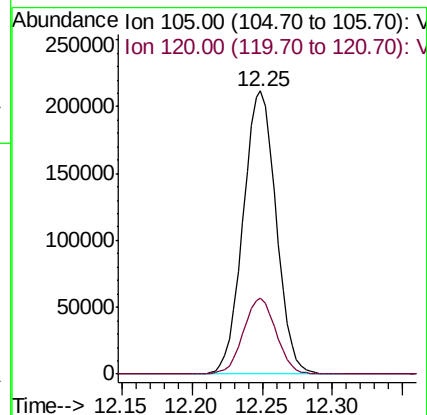
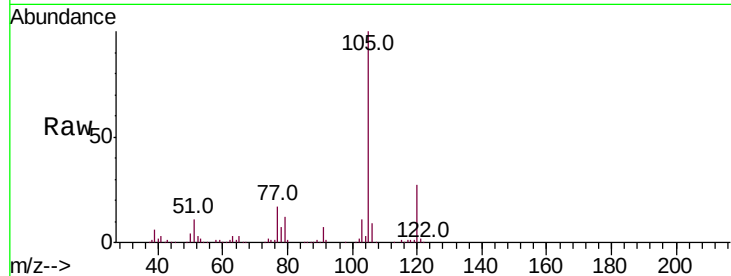
105 100

120 26.6 12.9 38.7

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#74

N-ethyl acetate

Concen: 20.956 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055324.D

Acq: 1 May 2019 13:02

Tgt Ion: 43 Resp: 102866

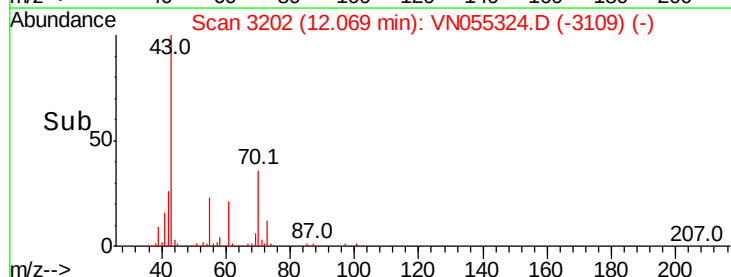
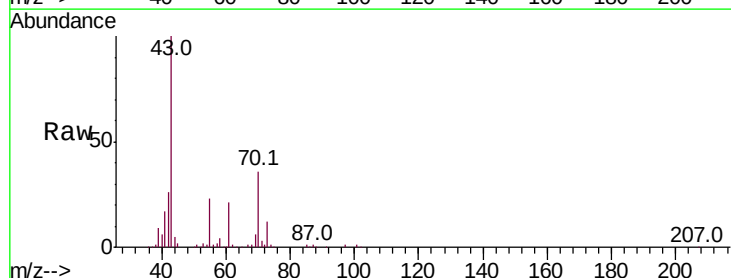
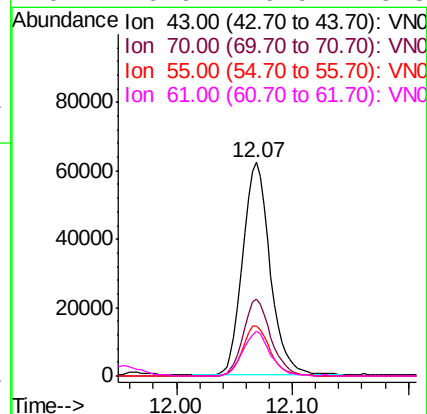
Ion Ratio Lower Upper

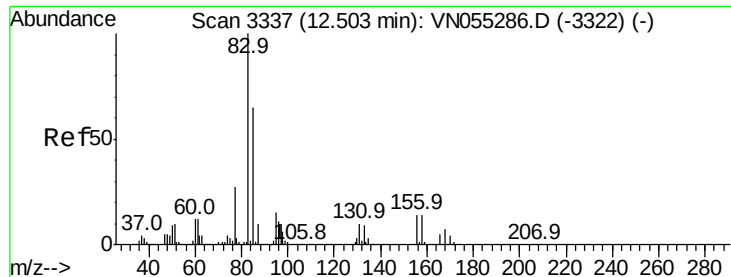
43 100

70 36.0 27.9 41.9

55 23.6 18.2 27.2

61 20.9 16.9 25.3





#75

1,1,2,2-Tetrachloroethane

Concen: 23.030 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055324.D

Acq: 1 May 2019 13:02

Instrument :

MSVOA_N

ClientSampleId :

VN0501WBSD01

Tot Ion: 83 Resp: 93775

Ion Ratio Lower Upper

83 100

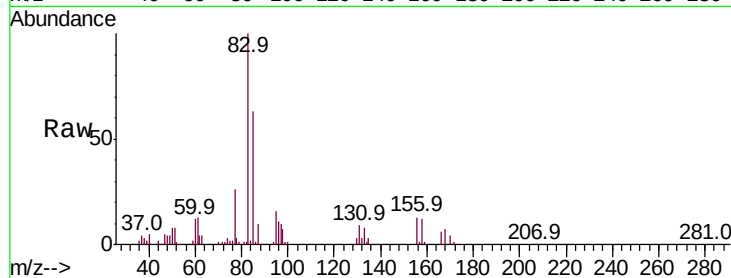
131 10.1 5.1 15.2

85 63.9 32.3 96.8

Manual Integrations
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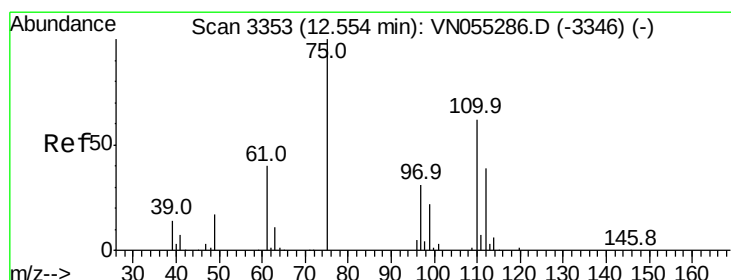
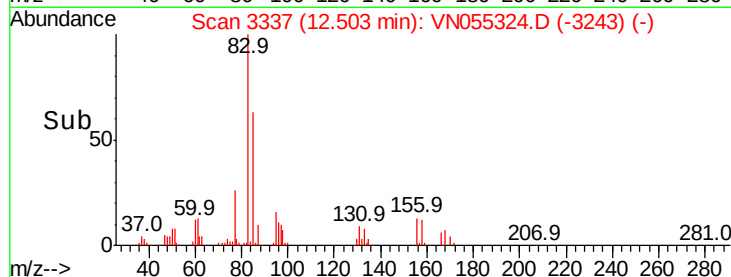
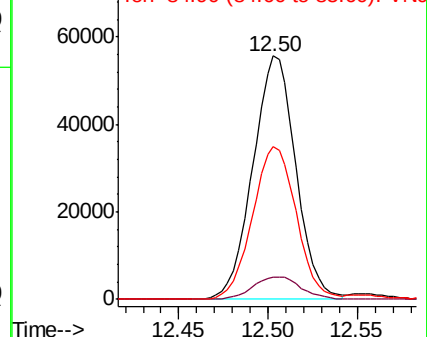
5/2/2019 9:35:41 AM



Abundance Ion 82.90 (82.60 to 83.60): VN055324.D (-3243) (-)

Ion 130.80 (130.50 to 131.50): VN055324.D (-3243) (-)

Ion 84.90 (84.60 to 85.60): VN055324.D (-3243) (-)



#76

1,2,3-Trichloropropane

Concen: 22.068 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN055324.D

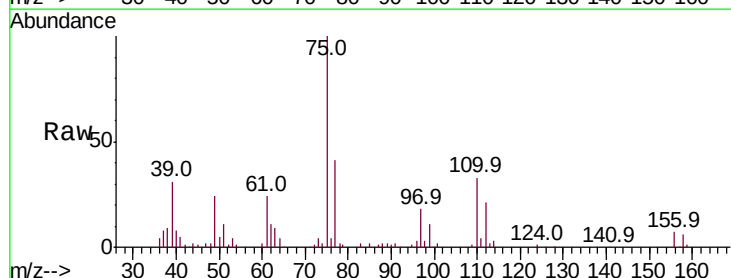
Acq: 1 May 2019 13:02

Tgt Ion: 75 Resp: 83455

Ion Ratio Lower Upper

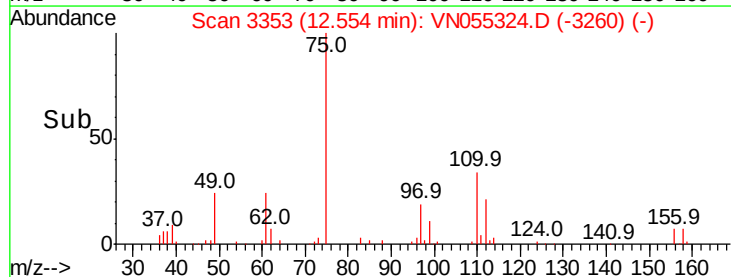
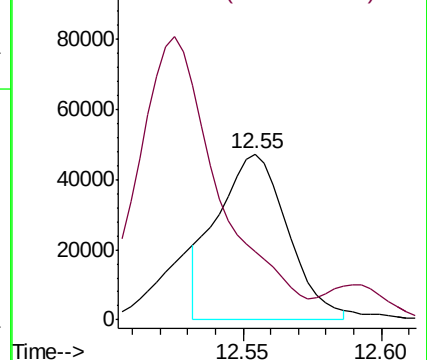
75 100

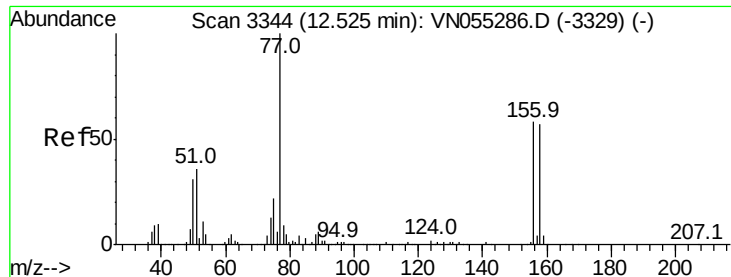
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN055324.D (-3260) (-)

Ion 77.00 (76.70 to 77.70): VN055324.D (-3260) (-)





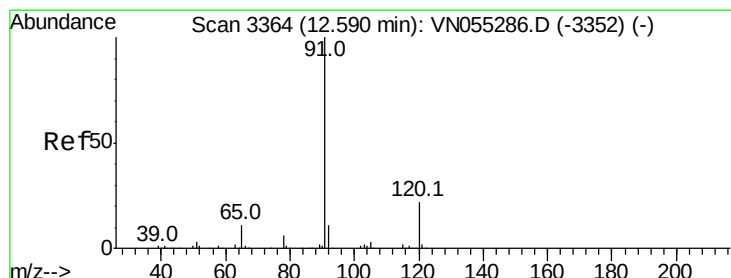
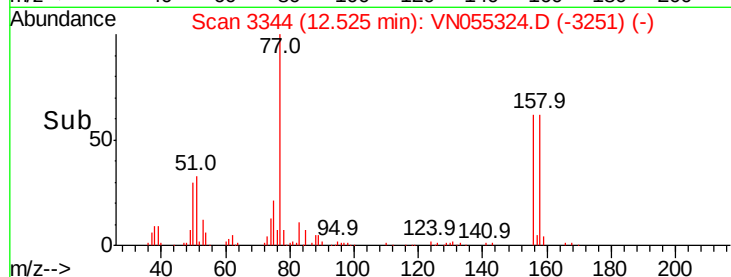
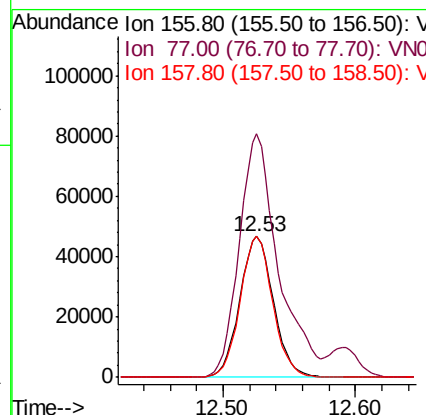
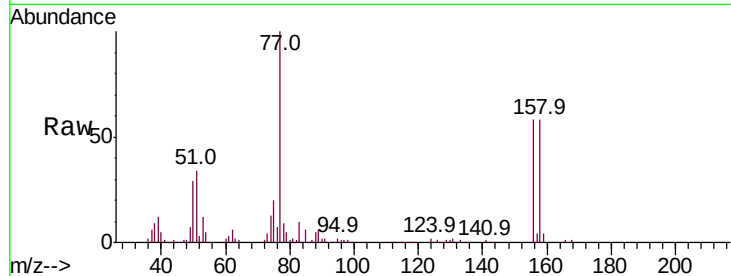
#77
Bromobenzene
Concen: 21.334 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. 0.00 min
Lab File: VN055324.D
Acq: 1 May 2019 13:02

Instrument :
MSVOA_N
ClientSampleId :
VN0501WBSD01

Tot Ion	Ratio	Lower	Upper
156	100		
77	200.7	99.6	298.8
158	96.4	49.3	147.8

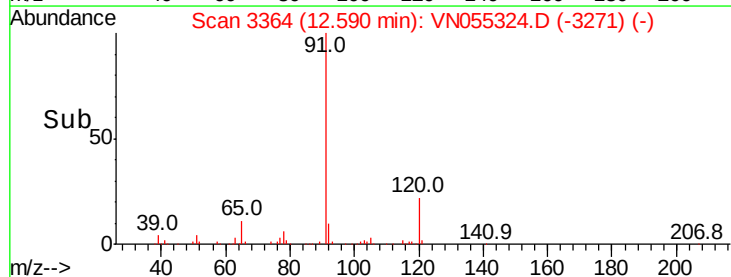
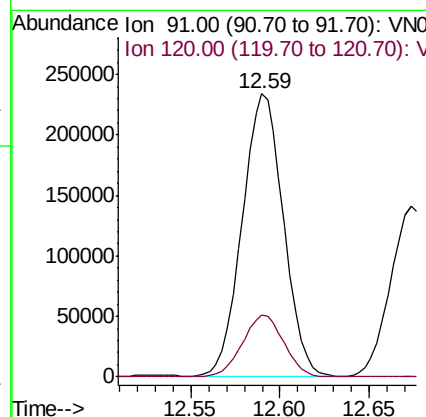
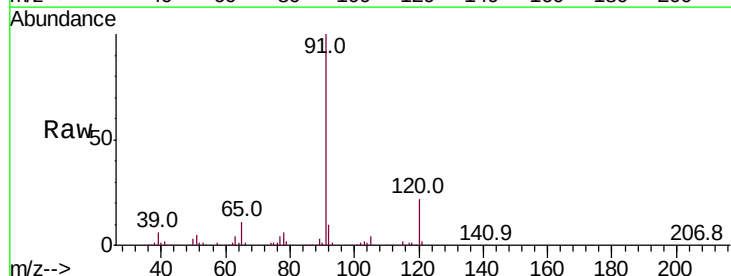
Manual Integrations
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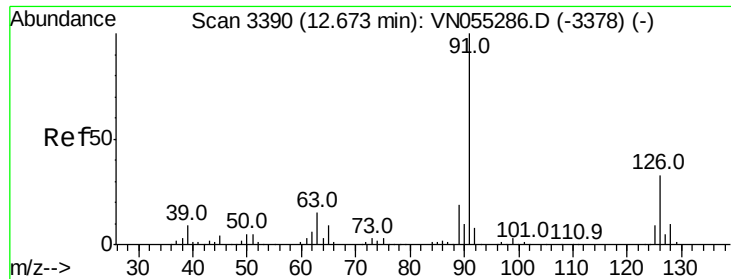
MMDadoda
5/2/2019 9:35:41 AM



#78
n-propylbenzene
Concen: 19.139 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. 0.00 min
Lab File: VN055324.D
Acq: 1 May 2019 13:02

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.1	11.0	33.0





#79

2-Chlorotoluene

Concen: 21.015 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055324.D

Acq: 1 May 2019 13:02

Instrument :

MSVOA_N

ClientSampled :

VN0501WBSD01

Tot Ion: 91 Resp: 233838

Ion Ratio Lower Upper

91 100

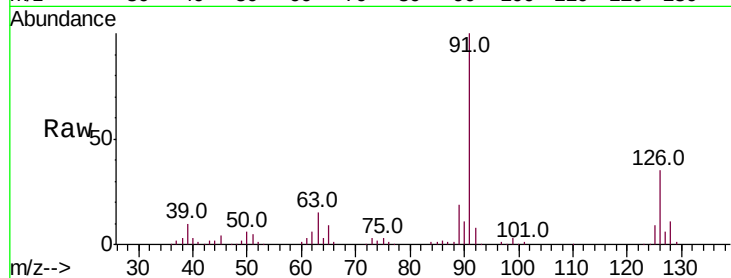
126 34.3 16.6 49.7

Manual Integrations

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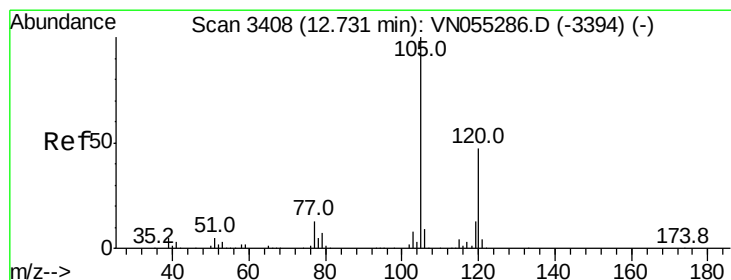
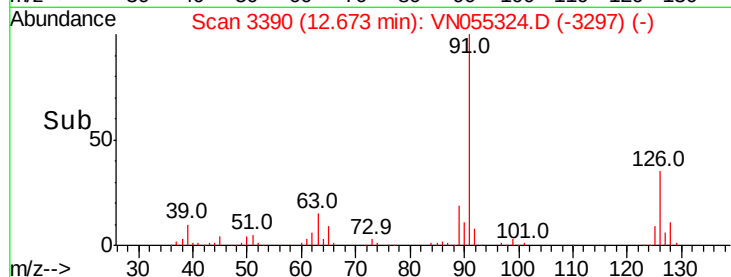
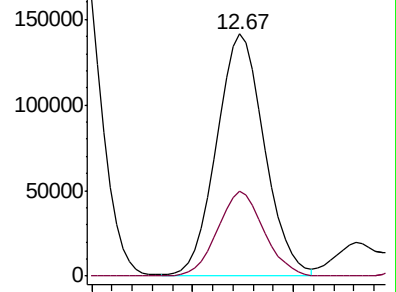
MMDadoda

5/2/2019 9:35:41 AM



Abundance Ion 91.00 (90.70 to 91.70): VN055286.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN055286.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.106 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055324.D

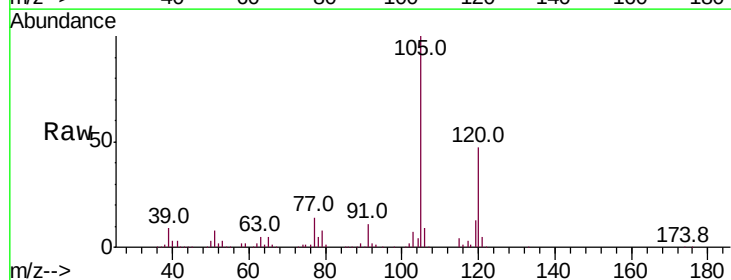
Acq: 1 May 2019 13:02

Tgt Ion: 105 Resp: 286486

Ion Ratio Lower Upper

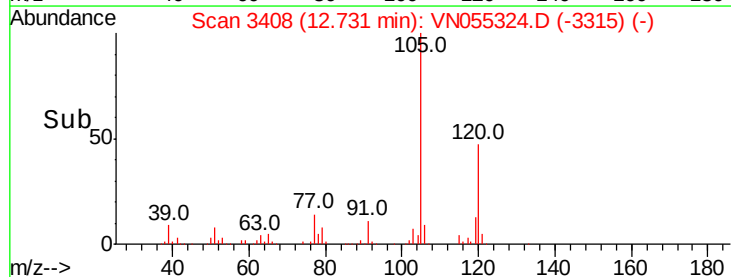
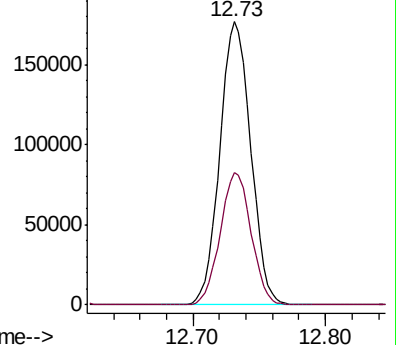
105 100

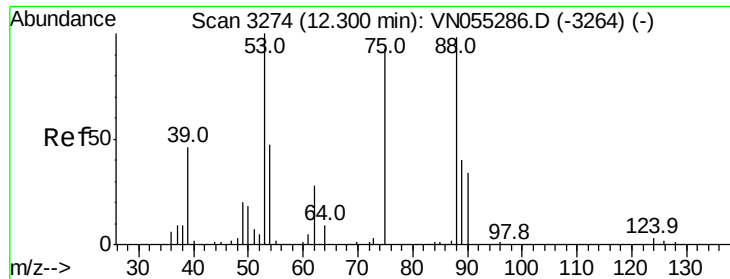
120 46.7 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): VN055286.D (-3394) (-)

Ion 120.00 (119.70 to 120.70): VN055286.D (-3394) (-)





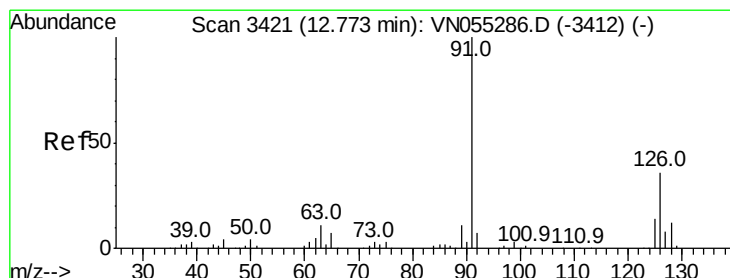
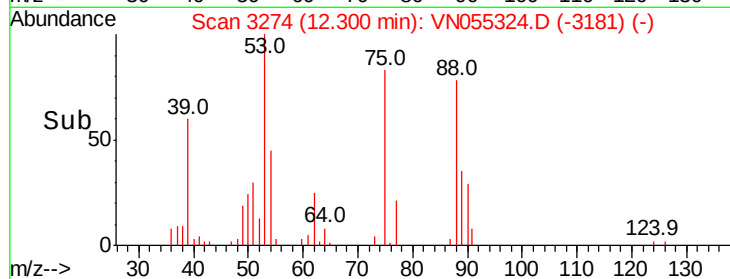
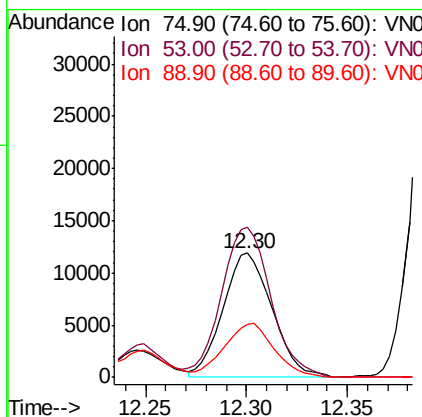
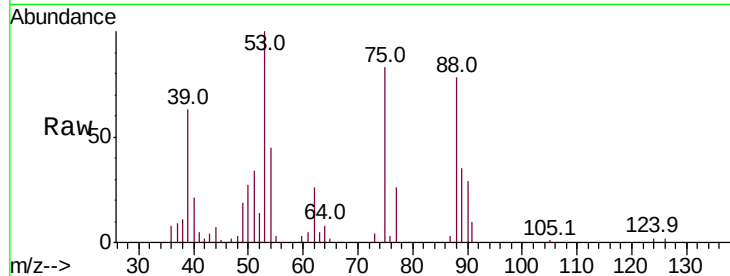
#81
trans-1,4-Dichloro-2-butene
Concen: 20.100 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN055324.D
Acq: 1 May 2019 13:02

Instrument :
MSVOA_N
ClientSampleId :
VN0501WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	122.1	86.3	129.5
89	44.4	34.6	51.8

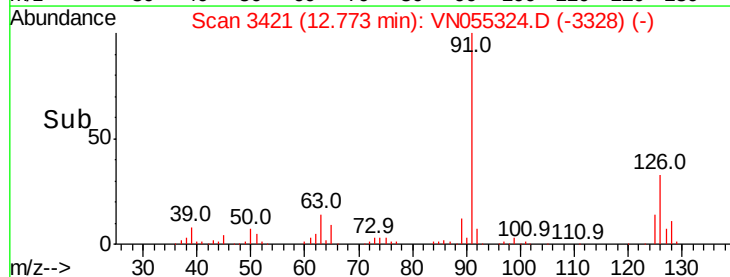
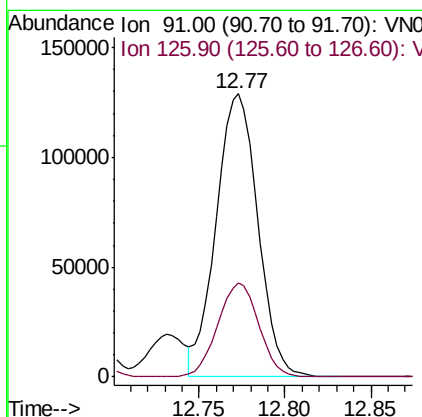
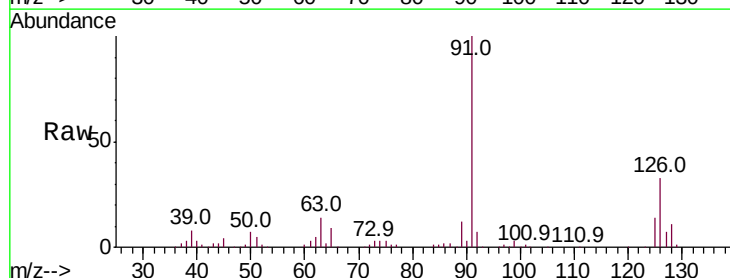
Manual Integrations
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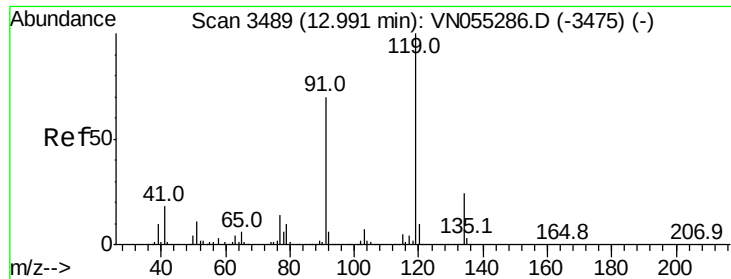
MMDadoda
5/2/2019 9:35:41 AM



#82
4-Chlorotoluene
Concen: 19.015 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN055324.D
Acq: 1 May 2019 13:02

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.7	16.6	49.7





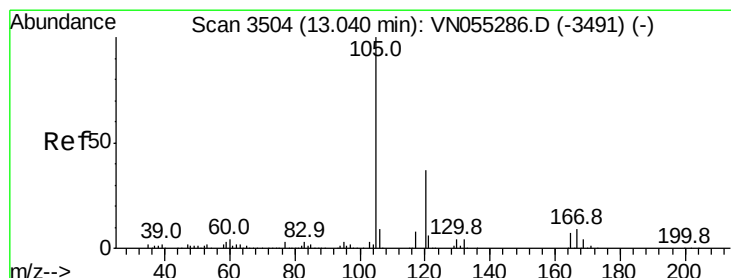
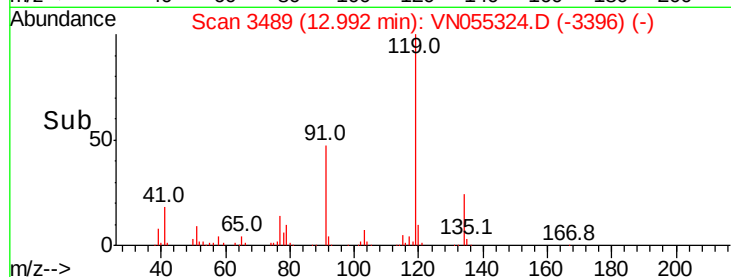
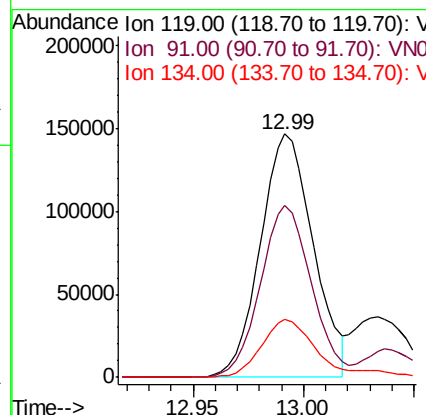
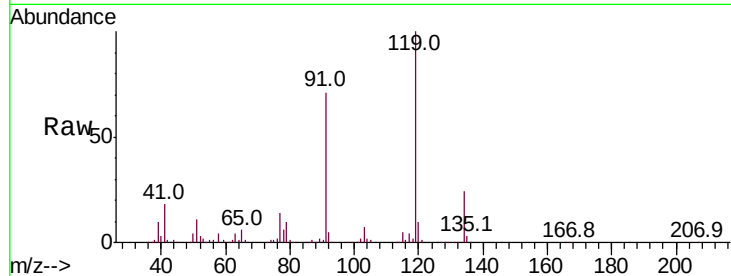
#83
 tert-Butylbenzene
 Concen: 21.263 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN055324.D
 Acq: 1 May 2019 13:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0501WBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.3	34.3	102.9
134	25.7	13.1	39.3

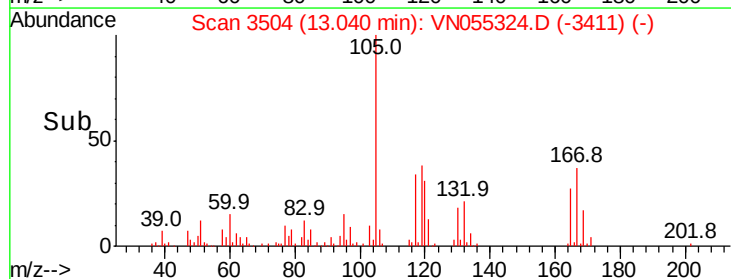
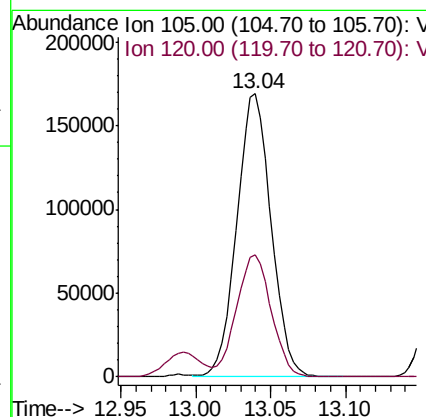
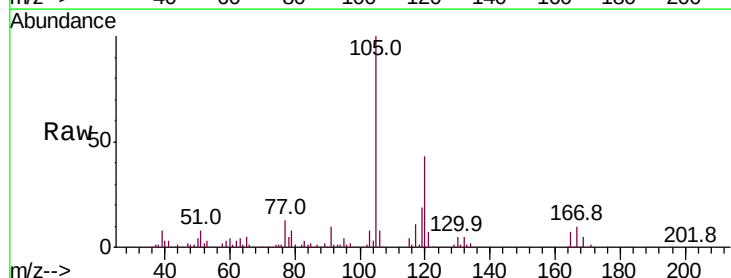
Manual Integrations
 APPROVED

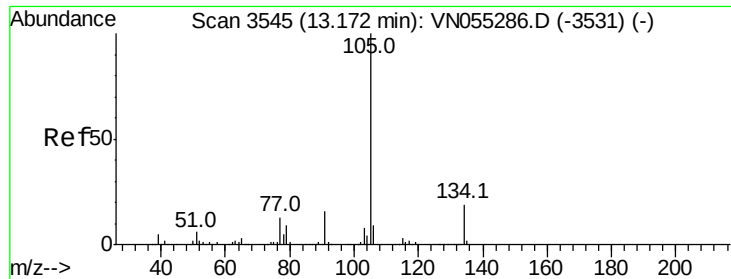
MMDadoda
 5/2/2019 9:35:41 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 20.059 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN055324.D
 Acq: 1 May 2019 13:02

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.0	22.1	66.5





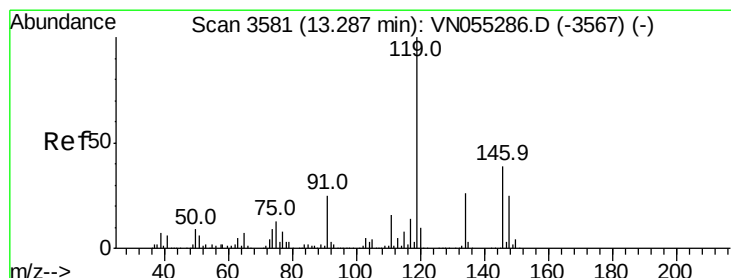
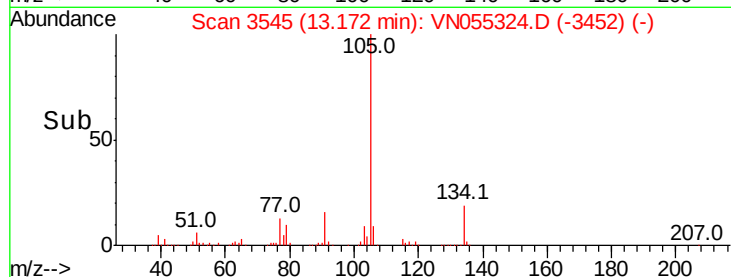
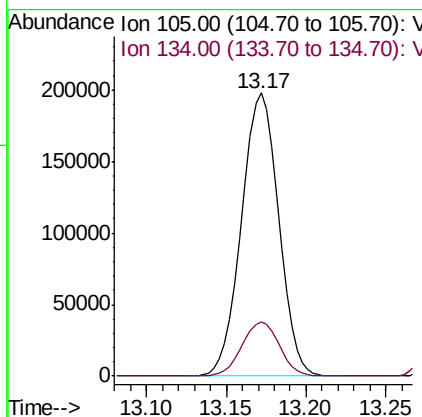
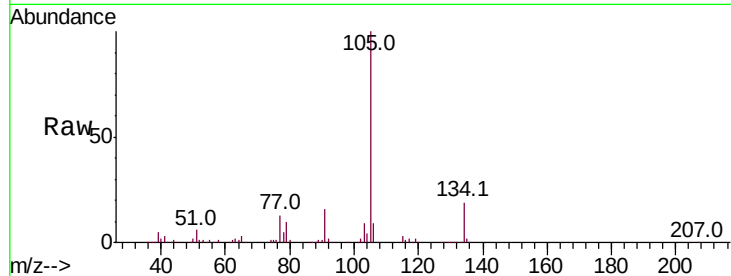
#85
 sec-Butylbenzene
 Concen: 19.206 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN055324.D
 Acq: 1 May 2019 13:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0501WBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.5	9.6	28.8

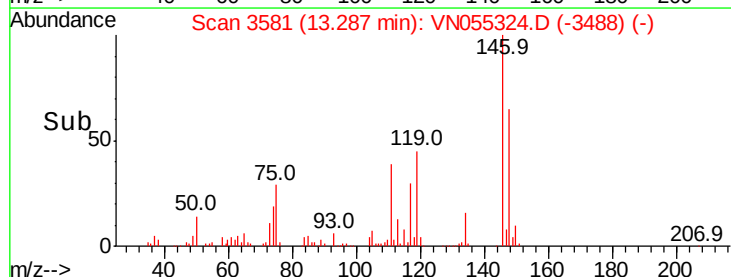
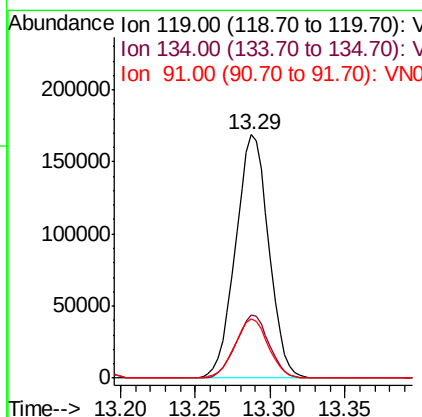
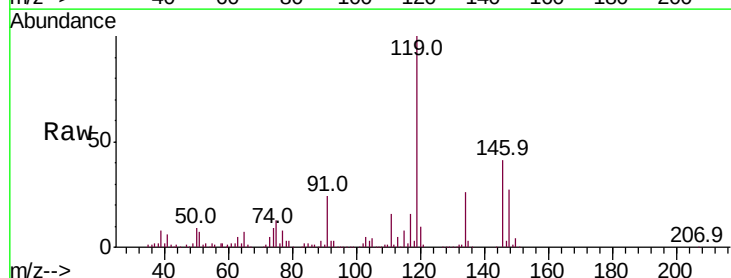
Manual Integrations
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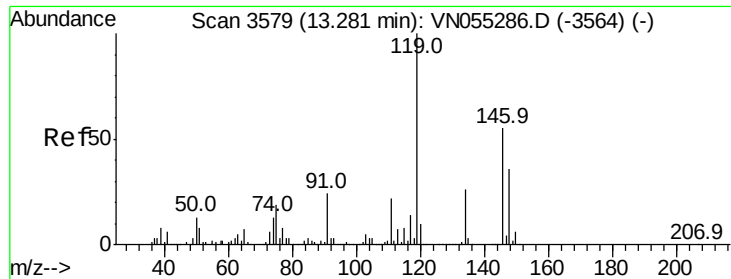
MMDadoda
 5/2/2019 9:35:41 AM



#86
 p-Isopropyltoluene
 Concen: 19.459 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN055324.D
 Acq: 1 May 2019 13:02

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.9	13.0	38.9
91	24.7	12.2	36.6





#87

1,3-Dichlorobenzene

Concen: 19.811 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN055324.D

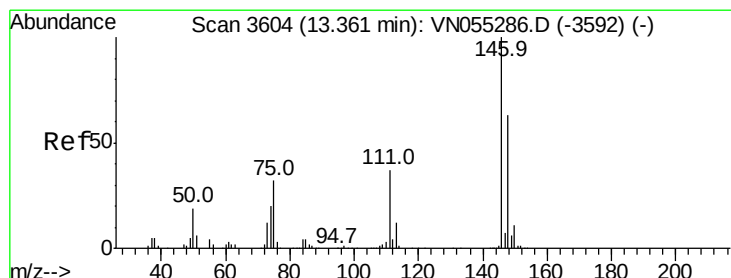
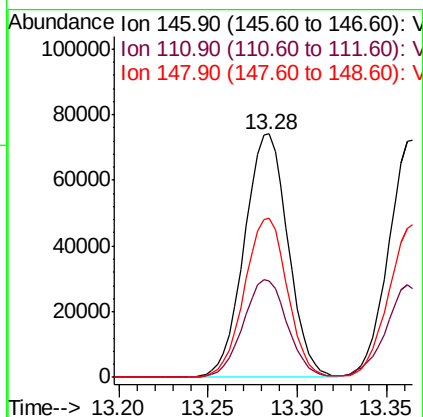
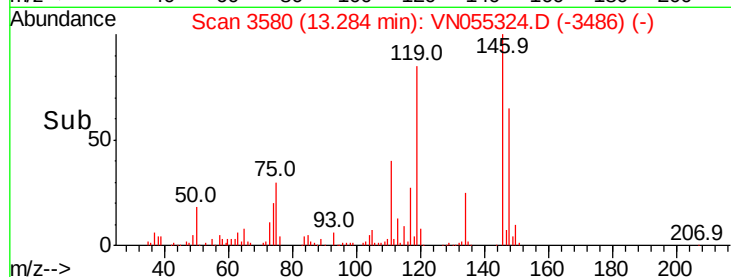
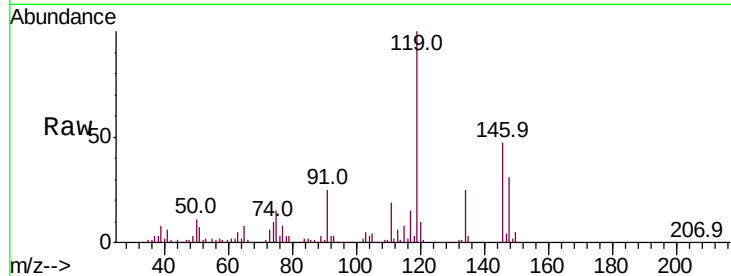
Acq: 1 May 2019 13:02

Instrument :
MSVOA_N
ClientSampled :
VN0501WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.3	60.8
148	64.2	32.5	97.5

Manual Integrations
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5/2/2019 9:35:41 AM



#88

1,4-Dichlorobenzene

Concen: 19.898 ug/l

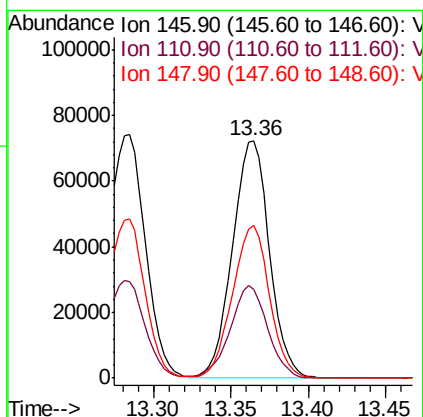
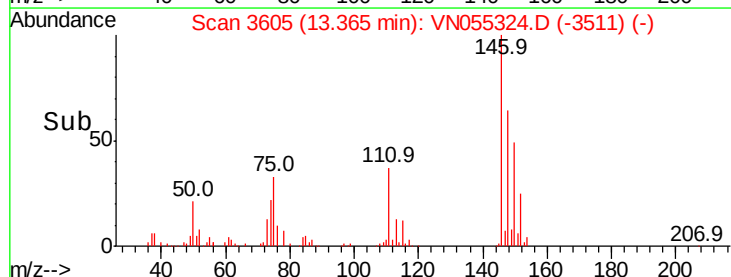
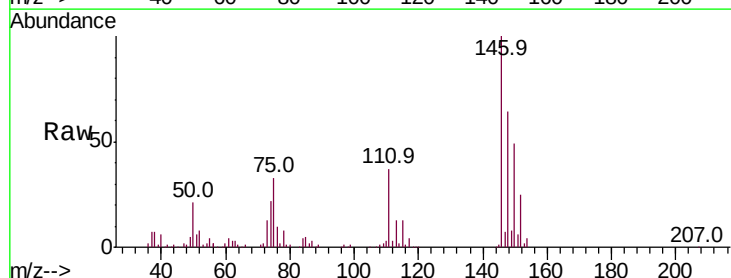
RT: 13.36 min Scan# 3605

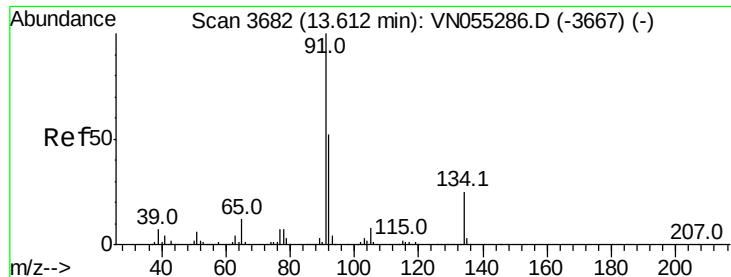
Delta R.T. 0.00 min

Lab File: VN055324.D

Acq: 1 May 2019 13:02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.5	58.5
148	64.5	32.5	97.4





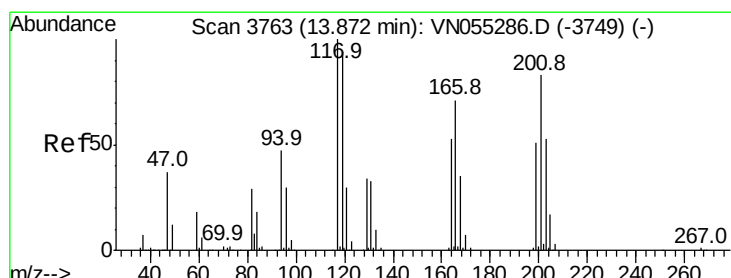
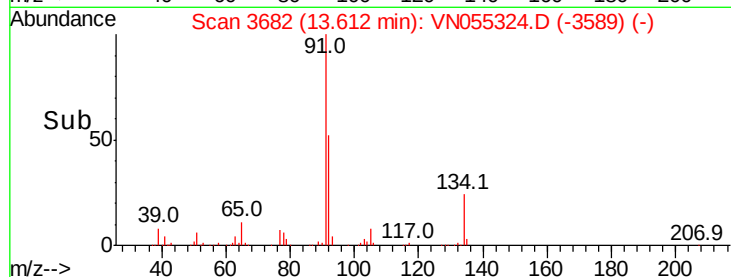
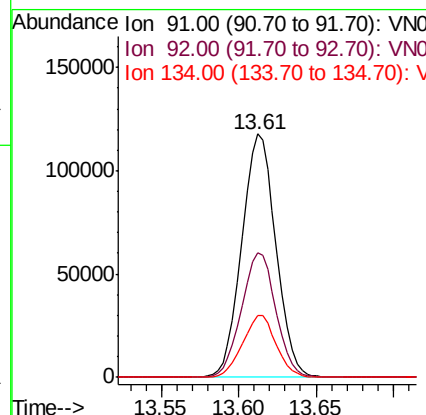
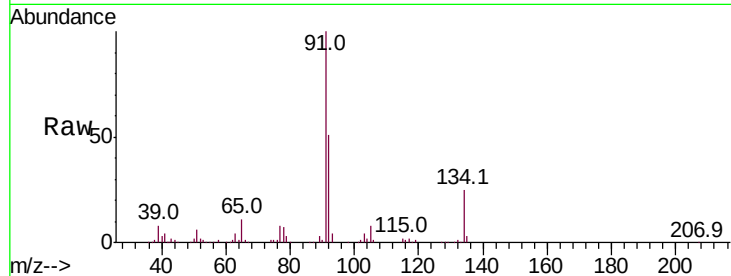
#89
n-Butylbenzene
Concen: 18.948 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055324.D
Acq: 1 May 2019 13:02

Instrument :
MSVOA_N
ClientSampleId :
VN0501WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.5	26.1	78.3
134	25.1	12.4	37.4

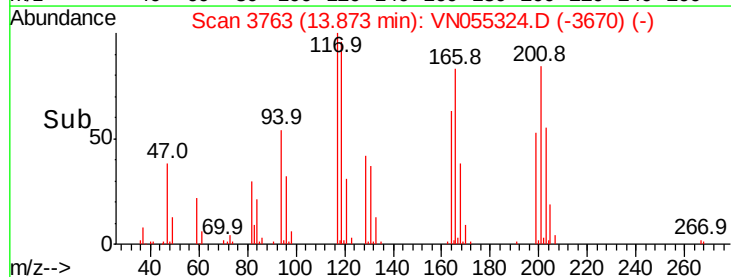
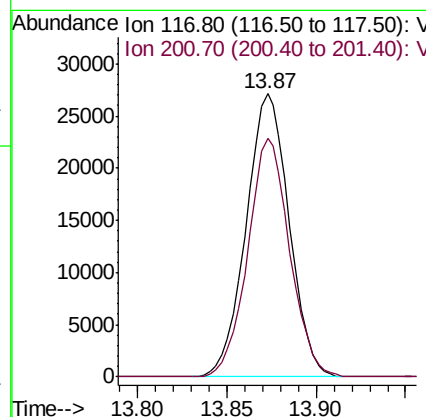
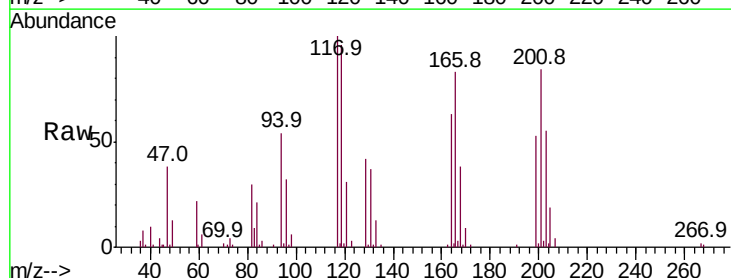
Manual Integrations
APPROVED

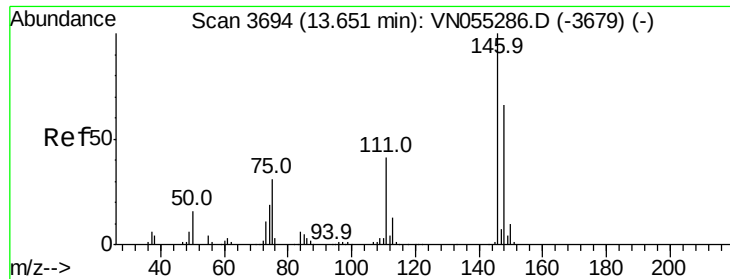
MMDadoda
5/2/2019 9:35:41 AM



#90
Hexachloroethane
Concen: 20.583 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055324.D
Acq: 1 May 2019 13:02

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.1	41.9	125.8





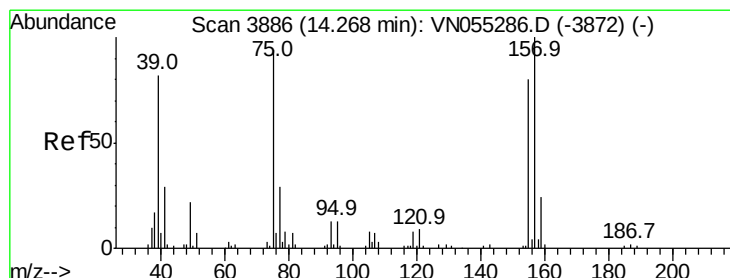
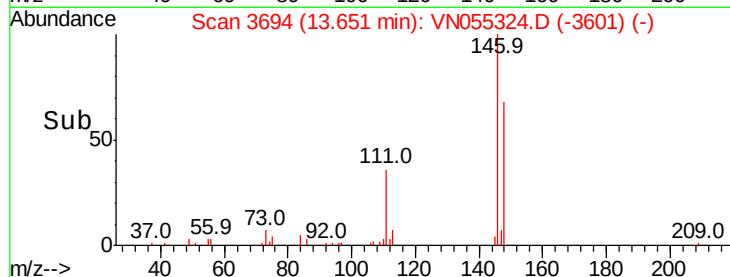
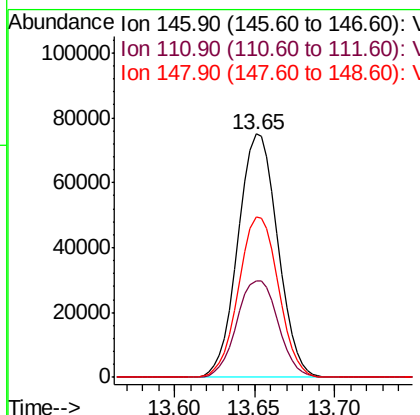
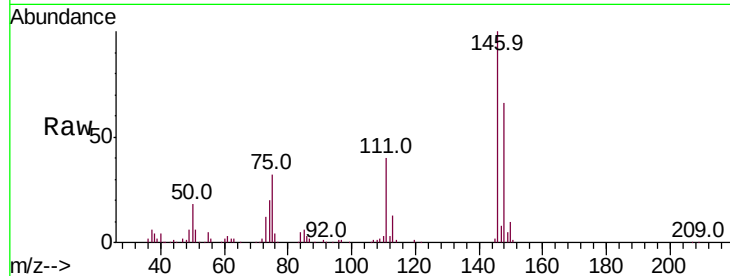
#91
 1,2-Dichlorobenzene
 Concen: 20.017 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN055324.D
 Acq: 1 May 2019 13:02

Instrument :
 MSVOA_N
 ClientSampled :
 VN0501WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.3	61.0
148	66.0	32.4	97.2

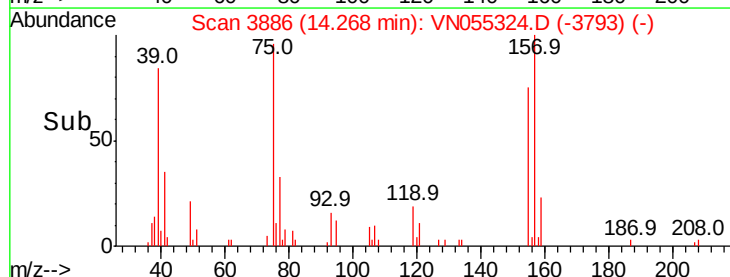
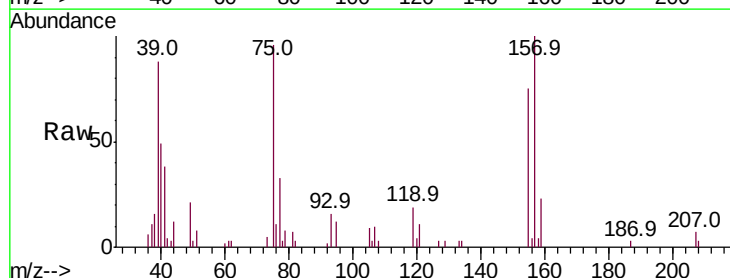
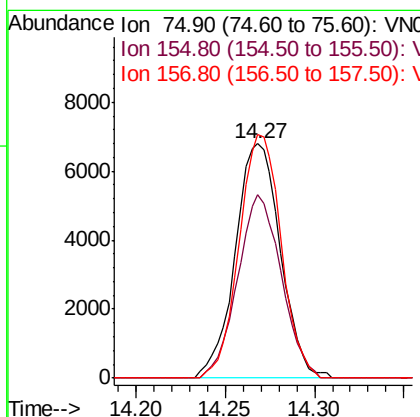
Manual Integrations
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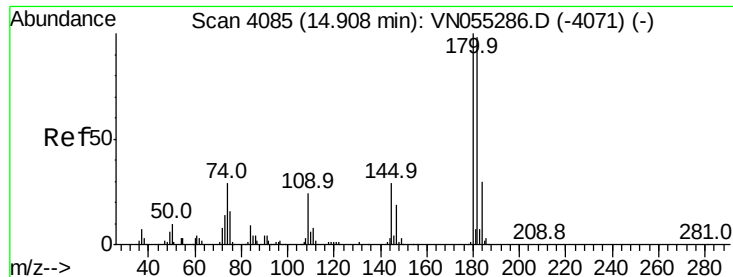
MMDadoda
 5/2/2019 9:35:41 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 23.760 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN055324.D
 Acq: 1 May 2019 13:02

Tgt Ion	Ratio	Lower	Upper
75	100		
155	75.5	41.5	124.6
157	96.8	54.0	162.2





#93

1,2,4-Trichlorobenzene

Concen: 16.948 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN055324.D

Acq: 1 May 2019 13:02

Instrument :

MSVOA_N

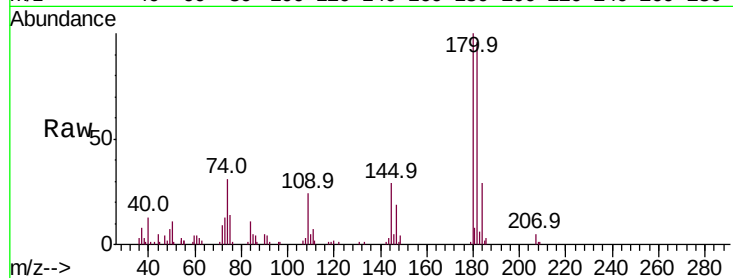
ClientSampleId :

VN0501WBSD01

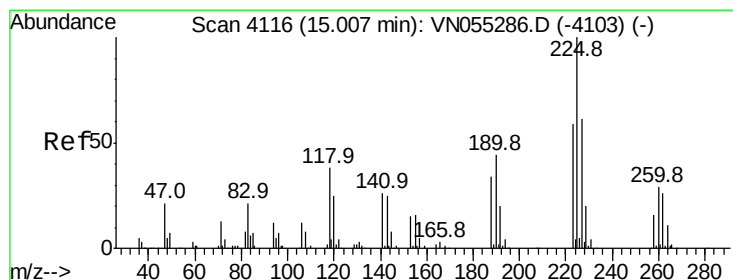
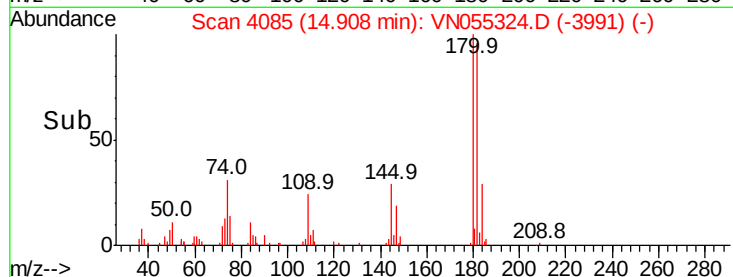
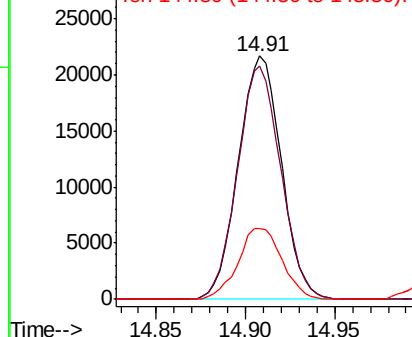
Tot Ion:	180	Resp:	36524
Ion Ratio	Lower	Upper	
180	100		
182	96.5	48.3	144.9
145	29.8	14.2	42.6

Manual Integrations
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5/2/2019 9:35:41 AM



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



#94

Hexachlorobutadiene

Concen: 21.614 ug/l

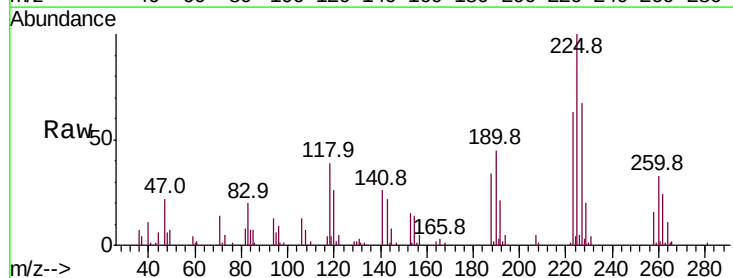
RT: 15.01 min Scan# 4117

Delta R.T. 0.00 min

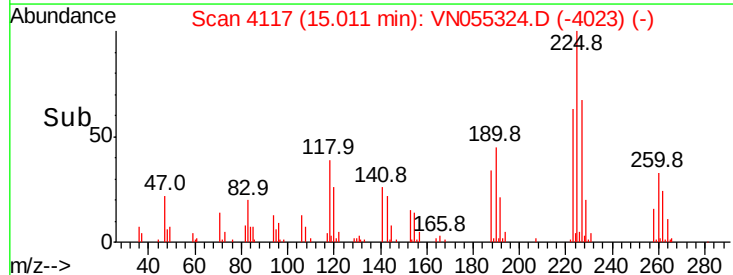
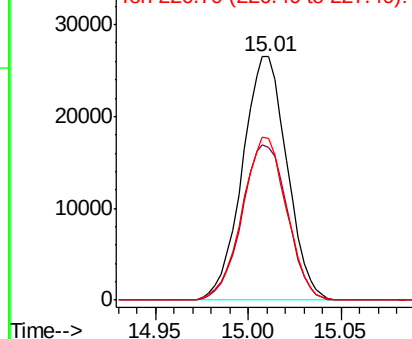
Lab File: VN055324.D

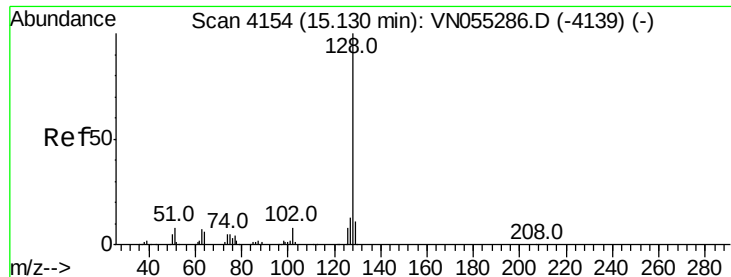
Acq: 1 May 2019 13:02

Tgt Ion:	225	Resp:	44290
Ion Ratio	Lower	Upper	
225	100		
223	65.0	30.3	90.8
227	66.5	30.9	92.7



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





#95

Naphthalene

Concen: 16.882 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055324.D

Acq: 1 May 2019 13:02

Instrument :

MSVOA_N

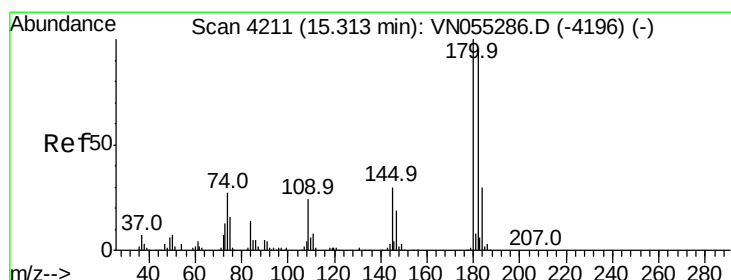
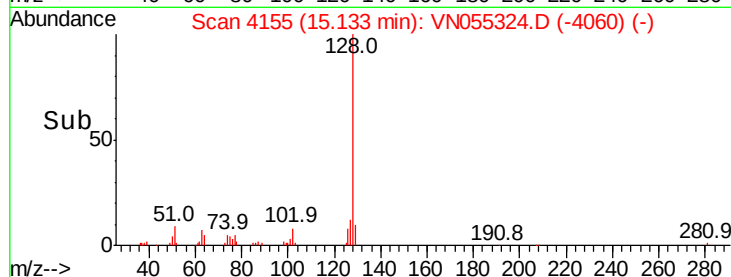
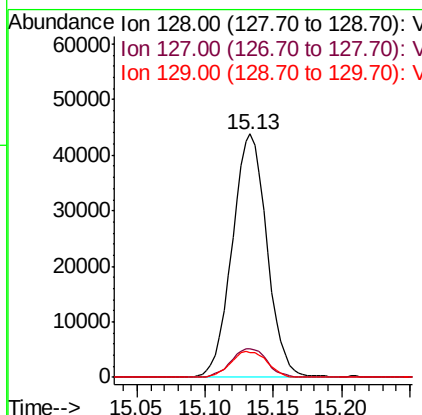
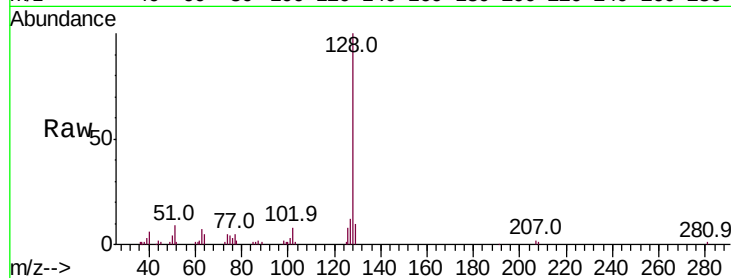
ClientSampleId :

VN0501WBSD01

Tot Ion:	128	Resp:	77197
Ion Ratio	Lower	Upper	
128	100		
127	12.2	10.7	16.1
129	11.2	8.6	13.0

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MMDadoda
5/2/2019 9:35:41 AM



#96

1,2,3-Trichlorobenzene

Concen: 18.739 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055324.D

Acq: 1 May 2019 13:02

Tgt Ion:	180	Resp:	41906
Ion Ratio	Lower	Upper	
180	100		
182	92.5	48.3	144.9
145	30.0	15.2	45.6

