

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050719\
 Data File : VN055444.D
 Acq On : 7 May 2019 18:00
 Operator : JC/SP
 Sample : VN0507WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0507WBSD01

Manual Integrations
 APPROVED

MMDadoda
 5/8/2019 10:22:34 AM

Quant Time: May 08 07:07:22 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	322916	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	530932	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	454050	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	175502	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	237908	56.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.64%	
35) Dibromofluoromethane	7.59	113	178186	51.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.26%	
50) Toluene-d8	10.09	98	634757	50.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.88%	
62) 4-Bromofluorobenzene	12.40	95	214692	54.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	75718	19.138	ug/l	95
3) Chloromethane	2.06	50	85982	17.551	ug/l	99
4) Vinyl Chloride	2.19	62	75068	19.009	ug/l	99
5) Bromomethane	2.56	94	42205	20.177	ug/l	100
6) Chloroethane	2.70	64	41350	19.329	ug/l	97
7) Trichlorofluoromethane	3.02	101	112912	20.108	ug/l	97
8) Diethyl Ether	3.41	74	47351	24.102	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	68548	20.500	ug/l	98
10) Methyl Iodide	3.95	142	86307	18.340	ug/l	97
11) Tert butyl alcohol	4.79	59	42463	175.567	ug/l	100
12) 1,1-Dichloroethene	3.74	96	65586	20.561	ug/l	97
13) Acrolein	3.61	56	14661	77.618	ug/l	98
14) Allyl chloride	4.33	41	143190	21.674	ug/l	98
15) Acrylonitrile	5.00	53	183530	135.000	ug/l	100
16) Acetone	3.82	43	140905	107.047	ug/l	98
17) Carbon Disulfide	4.06	76	144203	17.322	ug/l	99
18) Methyl Acetate	4.33	43	102451	31.569	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	225005	25.091	ug/l	99
20) Methylene Chloride	4.55	84	79684	19.833	ug/l	95
21) trans-1,2-Dichloroethene	5.05	96	70572	20.890	ug/l	100
22) Diisopropyl ether	5.96	45	308102	23.472	ug/l	94
23) Vinyl Acetate	5.90	43	1093099	127.058	ug/l	100
24) 1,1-Dichloroethane	5.85	63	154366	22.071	ug/l	98
25) 2-Butanone	6.84	43	231450	137.492	ug/l	99
26) 2,2-Dichloropropane	6.83	77	91133	18.870	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	85010	22.128	ug/l	98
28) Bromochloromethane	7.20	49	80580	22.857	ug/l	96
29) Tetrahydrofuran	7.22	42	160310	148.724	ug/l	99
30) Chloroform	7.37	83	149329	22.523	ug/l	98
31) Cyclohexane	7.66	56	134621	20.259	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	116310	21.616	ug/l	99
36) 1,1-Dichloropropene	7.80	75	102621	20.179	ug/l	99
37) Ethyl Acetate	6.93	43	96079	24.651	ug/l #	79
38) Carbon Tetrachloride	7.78	117	99466	20.276	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	110455	20.428	ug/l	99
40) Benzene	8.04	78	314122	20.953	ug/l	100
41) Methacrylonitrile	7.18	41	49943	24.065	ug/l #	86
42) 1,2-Dichloroethane	8.13	62	116525	21.945	ug/l	100
43) Isopropyl Acetate	8.17	43	172224	27.496	ug/l #	88
44) Trichloroethene	8.84	130	77261	20.216	ug/l	97
45) 1,2-Dichloropropane	9.12	63	93675	21.665	ug/l	98
46) Dibromomethane	9.21	93	51519	21.798	ug/l	98
47) Bromodichloromethane	9.41	83	110385	21.771	ug/l	98
48) Methyl methacrylate	9.20	41	81663	26.520	ug/l	100
49) 1,4-Dioxane	9.20	88	18747	588.950	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	501866	142.310	ug/l	99
52) Toluene	10.16	92	181935	21.151	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	101428	23.044	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	118836	21.654	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	76446	23.933	ug/l	98
56) Ethyl methacrylate	10.43	69	101992	25.942	ug/l	98
57) 1,3-Dichloropropane	10.71	76	129134	23.045	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	104061	93.458	ug/l	99
59) 2-Hexanone	10.75	43	329106	149.152	ug/l	98
60) Dibromochloromethane	10.90	129	74960	22.961	ug/l	99
61) 1,2-Dibromoethane	11.01	107	70986	24.044	ug/l	99
64) Tetrachloroethene	10.63	164	75468	20.325	ug/l	98
65) Chlorobenzene	11.43	112	182686	20.579	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.51	131	73102	21.030	ug/l	99
67) Ethyl Benzene	11.51	91	344020	21.460	ug/l	99
68) m/p-Xylenes	11.62	106	245687	42.937	ug/l	98
69) o-Xylene	11.95	106	121845	21.484	ug/l	99
70) Styrene	11.96	104	200598	23.036	ug/l	100
71) Bromoform	12.13	173	45816	23.753	ug/l #	99
73) Isopropylbenzene	12.25	105	339669	22.590	ug/l	99
74) N-amyl acetate	12.07	43	126926	28.180	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	96411	26.213	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	86483m	25.266	ug/l	
77) Bromobenzene	12.53	156	80640	22.890	ug/l	98
78) n-propylbenzene	12.59	91	363676	20.173	ug/l	100
79) 2-Chlorotoluene	12.68	91	229274	22.649	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	287538	20.898	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	21064	22.745	ug/l	93
82) 4-Chlorotoluene	12.77	91	215975	20.604	ug/l	99
83) tert-Butylbenzene	12.99	119	245527	23.679	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	277885	22.583	ug/l	99
85) sec-Butylbenzene	13.17	105	317692	21.244	ug/l	100
86) p-Isopropyltoluene	13.29	119	265329	21.587	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	126451	21.532	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	119868	21.674	ug/l	98
89) n-Butylbenzene	13.62	91	192053	21.989	ug/l	99
90) Hexachloroethane	13.87	117	45636	22.585	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	127587	21.920	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	14021	30.367	ug/l	99

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ClientSampleId :
VN0507WBSD01

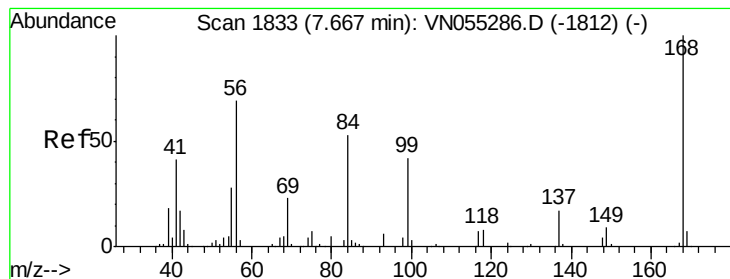
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	46922	22.405	ug/l	97
94) Hexachlorobutadiene	15.01	225	46254	25.010	ug/l	97
95) Naphthalene	15.13	128	105721	23.558	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	49809	23.502	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.00 min

Lab File: VN055444.D

Acq: 7 May 2019 18:00

Instrument :

MSVOA_N

ClientSampled :

VN0507WBSD01

Tot Ion:168 Resp: 322916

Ion Ratio Lower Upper

168 100

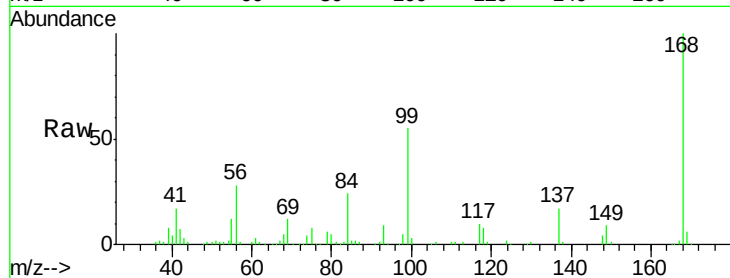
99 54.3 43.6 65.4

Manual Integrations

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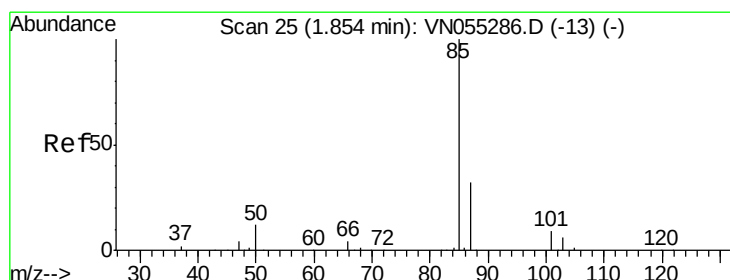
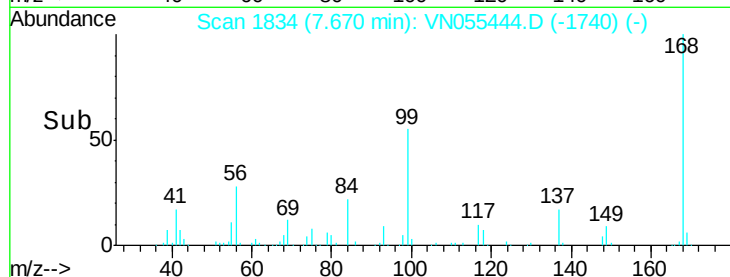
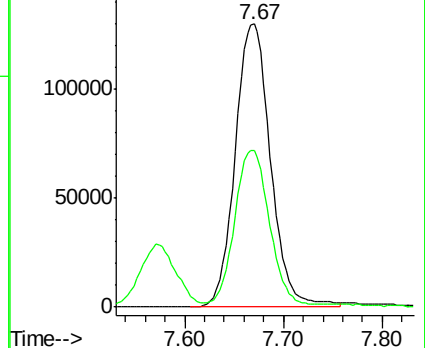
MMDadoda

5/8/2019 10:22:34 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 19.138 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN055444.D

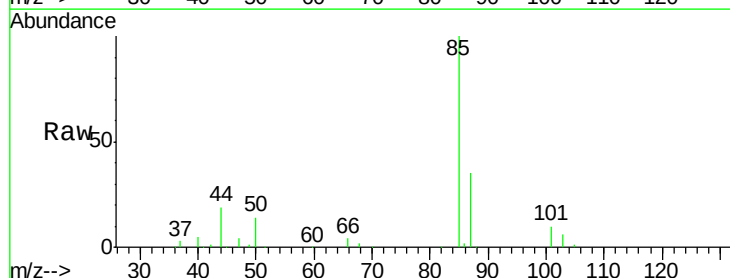
Acq: 7 May 2019 18:00

Tgt Ion: 85 Resp: 75718

Ion Ratio Lower Upper

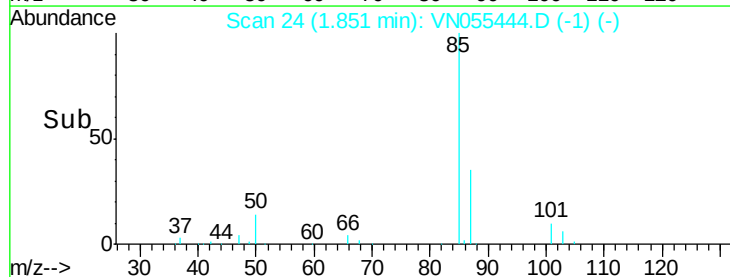
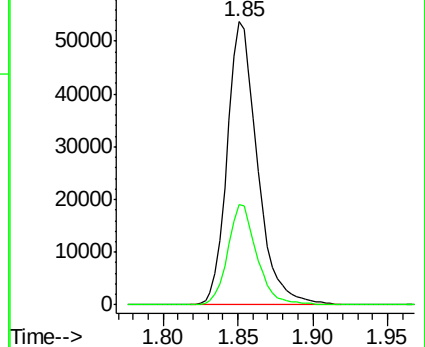
85 100

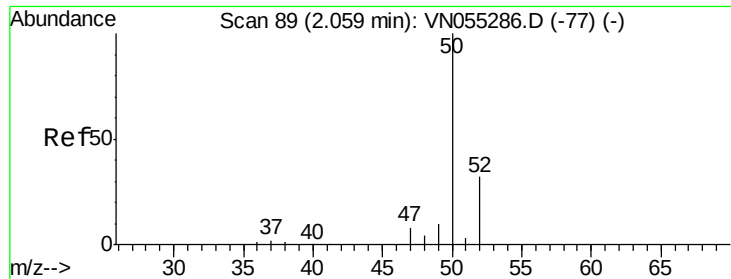
87 35.2 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 17.551 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN055444.D

Acq: 7 May 2019 18:00

Instrument :

MSVOA_N

ClientSampled :

VN0507WBSD01

Tot Ion: 50 Resp: 85982

Ion Ratio Lower Upper

50 100

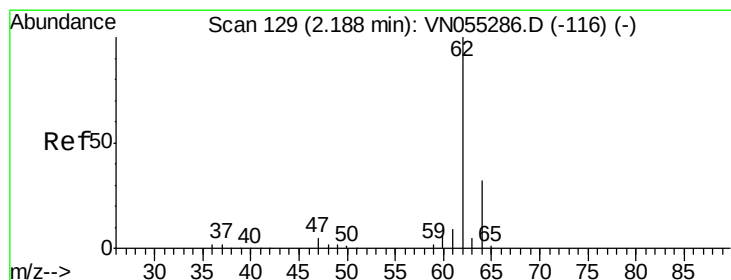
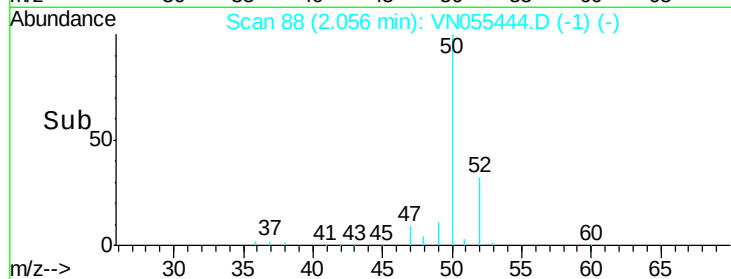
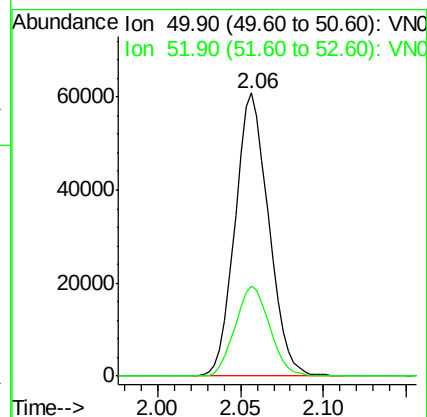
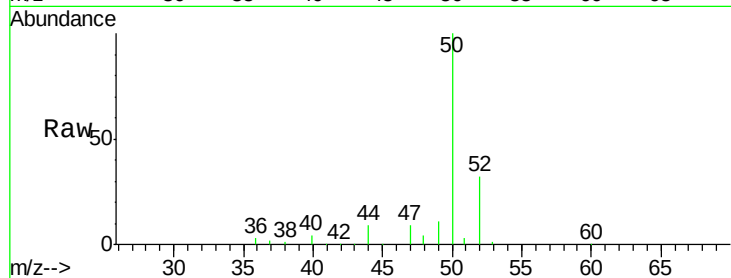
52 31.8 25.7 38.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.009 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN055444.D

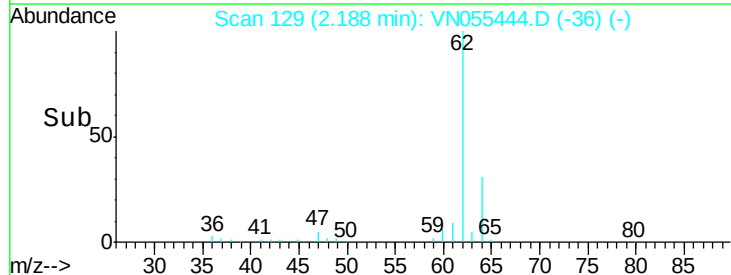
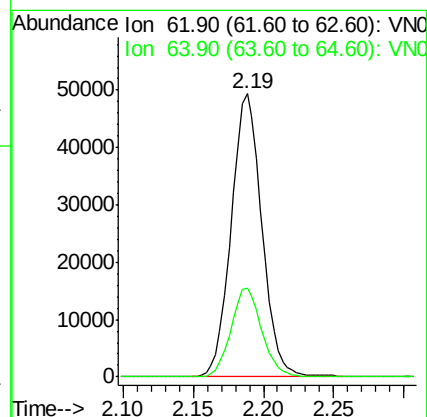
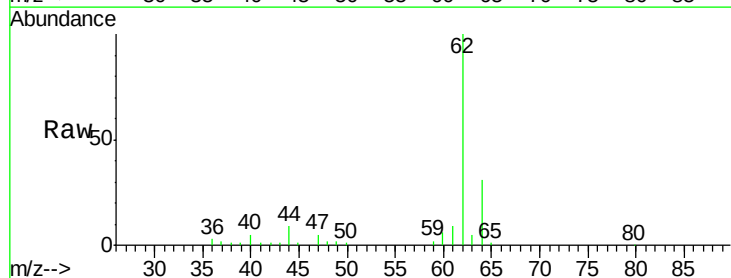
Acq: 7 May 2019 18:00

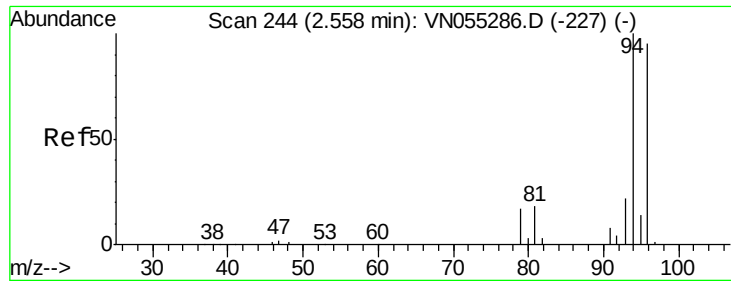
Tgt Ion: 62 Resp: 75068

Ion Ratio Lower Upper

62 100

64 31.4 25.5 38.3





#5

Bromomethane

Concen: 20.177 ug/l

RT: 2.56 min Scan# 245

Delta R.T. 0.00 min

Lab File: VN055444.D

Acq: 7 May 2019 18:00

Instrument :

MSVOA_N

ClientSampled :

VN0507WBSD01

Tot Ion: 94 Resp: 42205

Ion Ratio Lower Upper

94 100

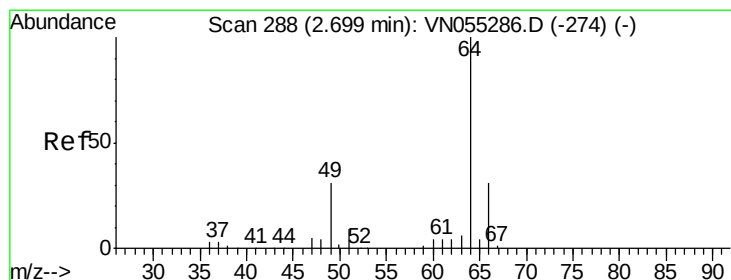
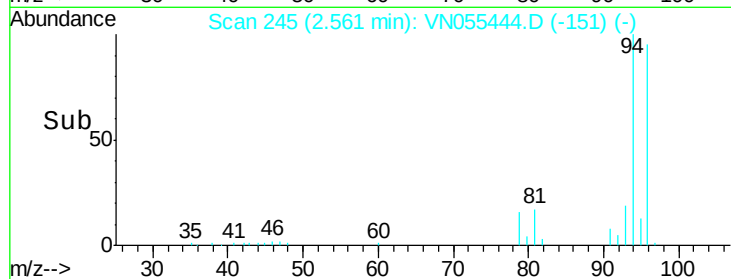
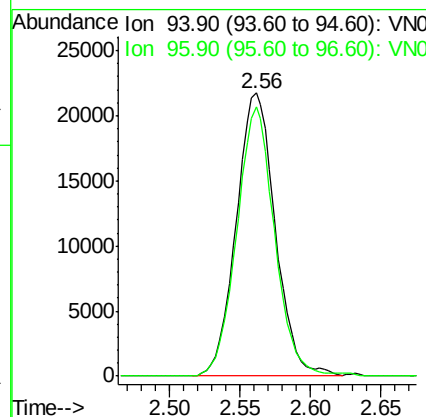
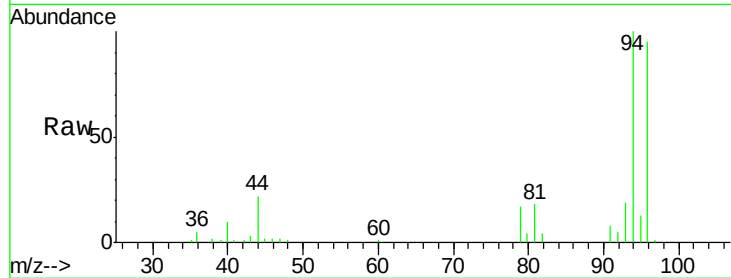
96 95.2 76.0 114.0

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#6

Chloroethane

Concen: 19.329 ug/l

RT: 2.70 min Scan# 289

Delta R.T. 0.00 min

Lab File: VN055444.D

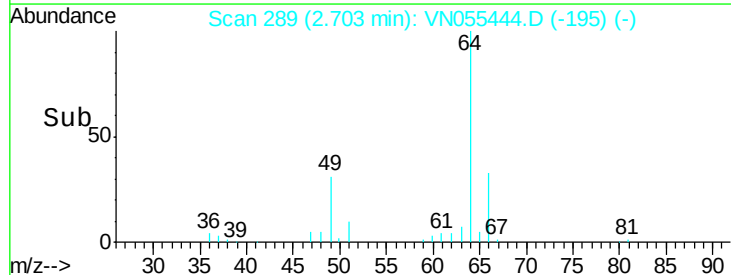
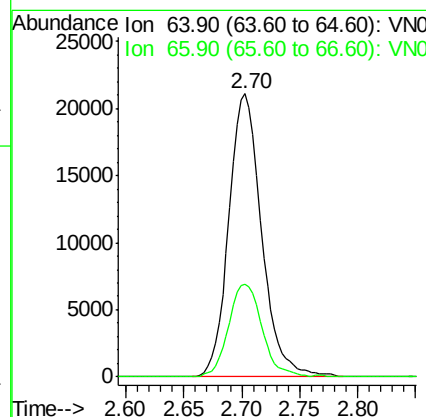
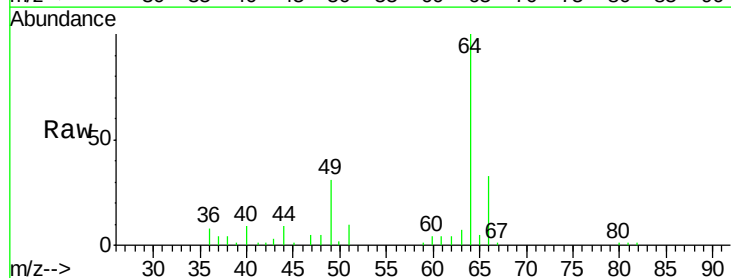
Acq: 7 May 2019 18:00

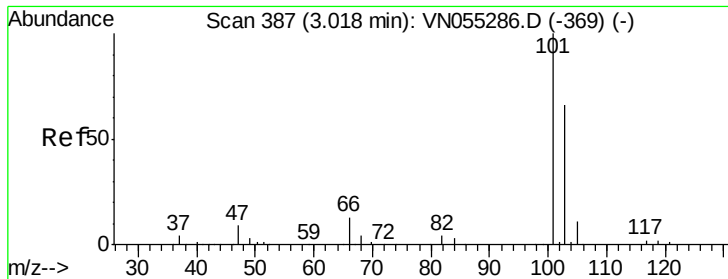
Tgt Ion: 64 Resp: 41350

Ion Ratio Lower Upper

64 100

66 32.8 25.0 37.4





#7

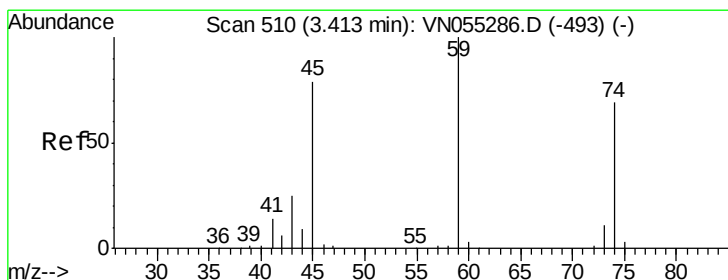
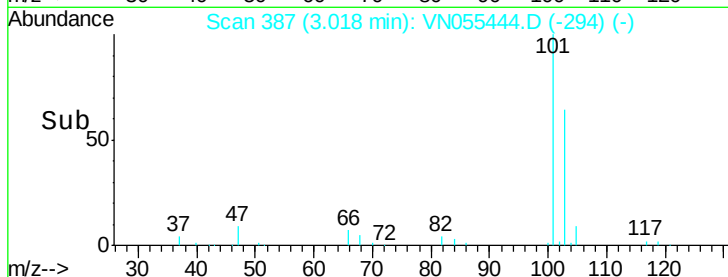
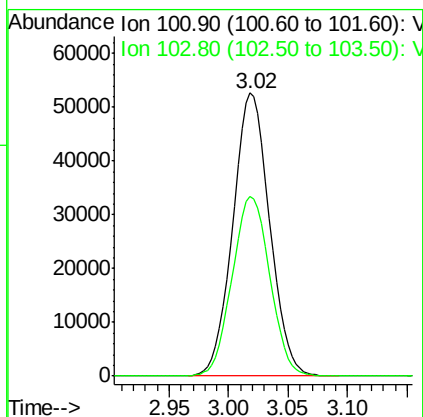
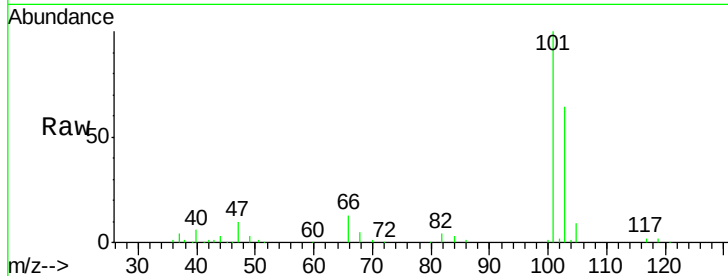
Trichlorofluoromethane
Concen: 20.108 ug/l
RT: 3.02 min Scan# 387
Delta R.T. 0.00 min
Lab File: VN055444.D
Acq: 7 May 2019 18:00

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ClientSampleId :
VN0507WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.7	52.6	79.0

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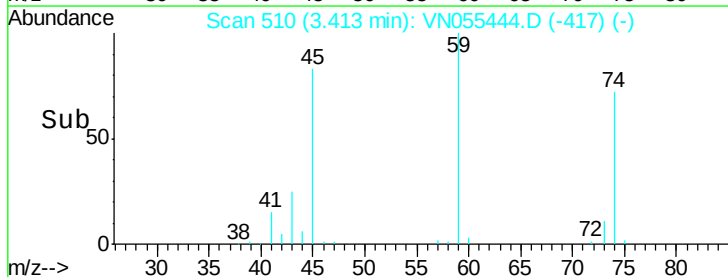
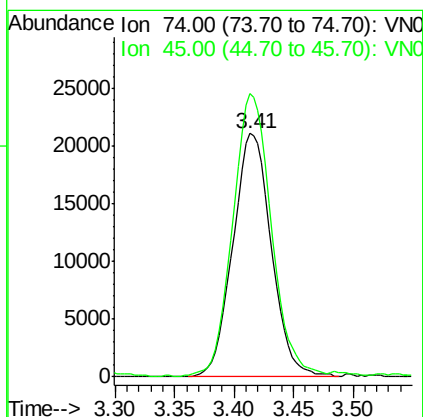
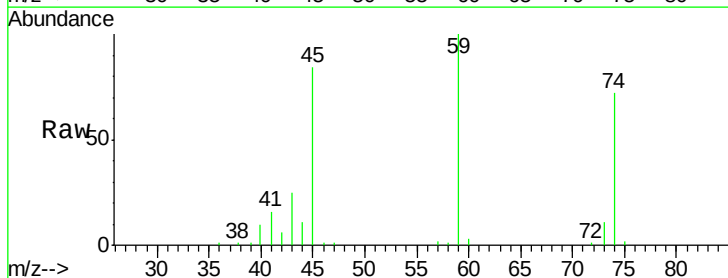
MMDadoda
5/8/2019 10:22:34 AM

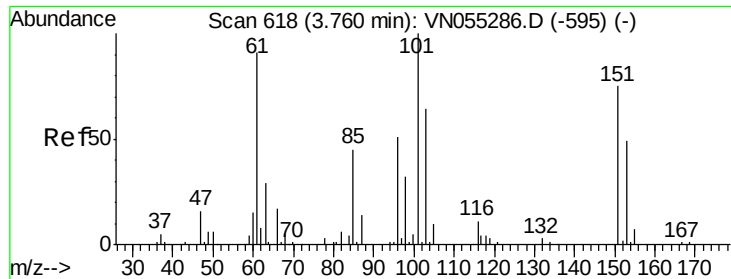


#8

Diethyl Ether
Concen: 24.102 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN055444.D
Acq: 7 May 2019 18:00

Tgt Ion	Ratio	Lower	Upper
74	100		
45	117.1	58.9	176.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.500 ug/l

RT: 3.76 min Scan# 618

Delta R.T. 0.00 min

Lab File: VN055444.D

Acq: 7 May 2019 18:00

Instrument :

MSVOA_N

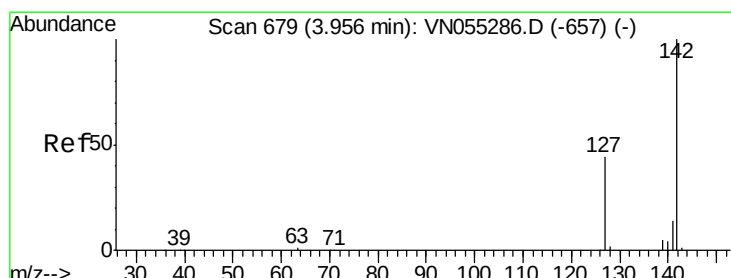
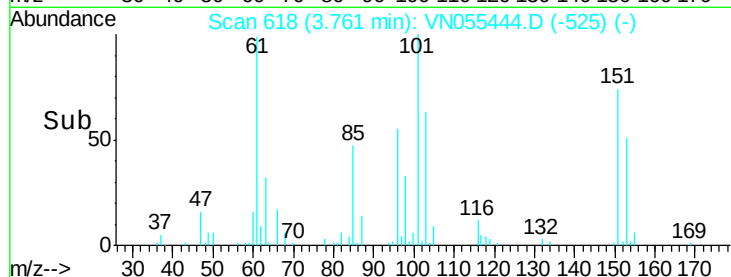
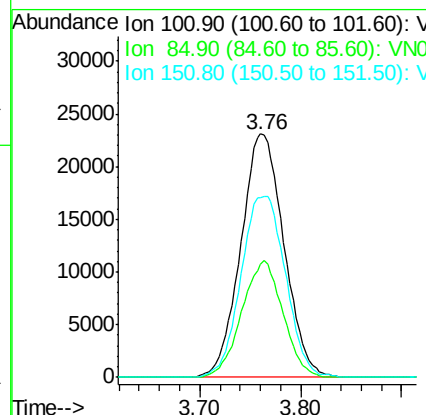
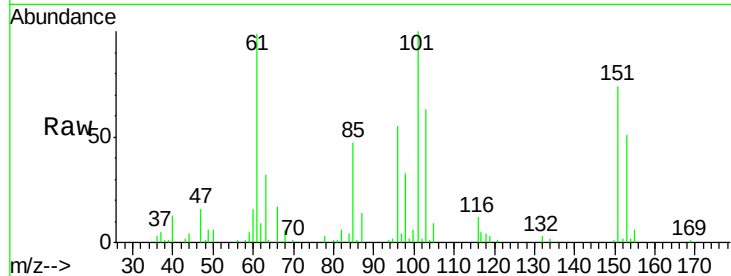
ClientSampleId :

VN0507WBSD01

Tot Ion:	101	Resp:	68548
Ion Ratio	Lower	Upper	
101	100		
85	45.5	35.7	53.5
151	76.9	63.3	94.9

Manual Integrations
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#10

Methyl Iodide

Concen: 18.340 ug/l

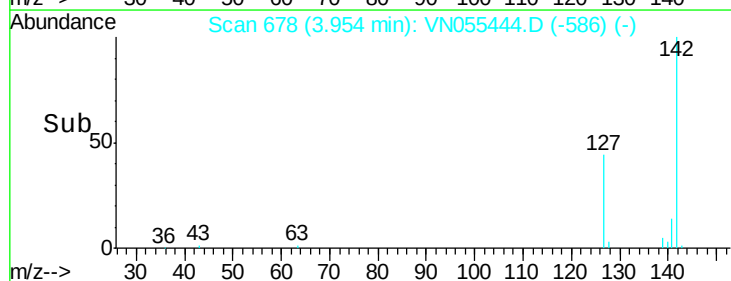
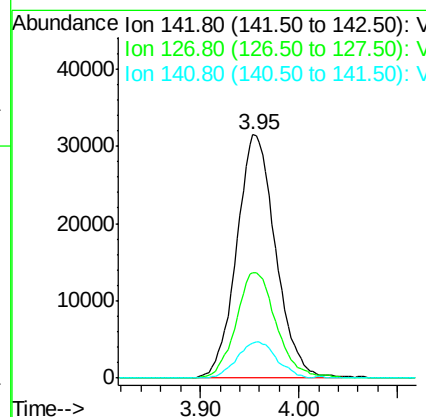
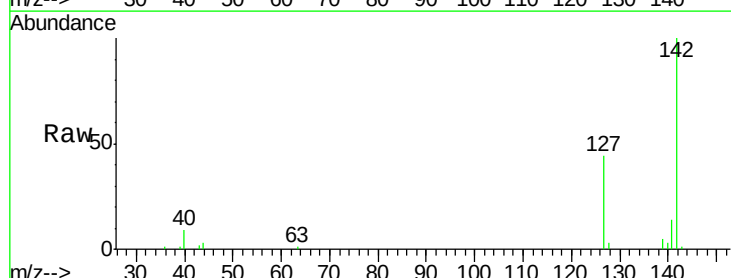
RT: 3.95 min Scan# 678

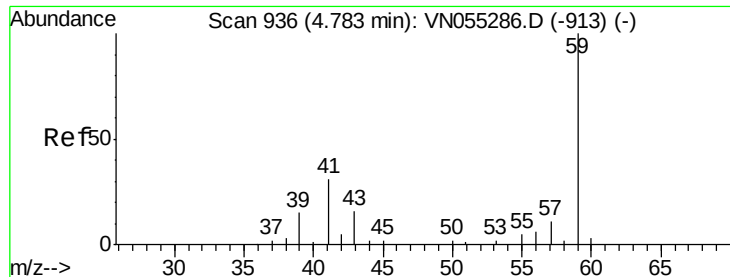
Delta R.T. -0.00 min

Lab File: VN055444.D

Acq: 7 May 2019 18:00

Tgt Ion:	142	Resp:	86307
Ion Ratio	Lower	Upper	
142	100		
127	44.8	34.4	51.6
141	15.1	11.5	17.3





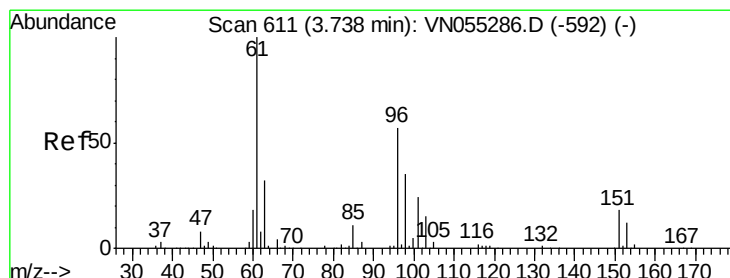
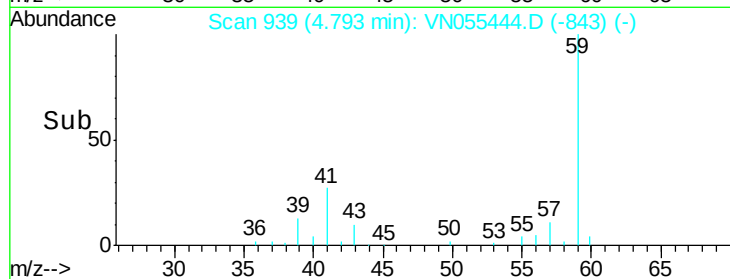
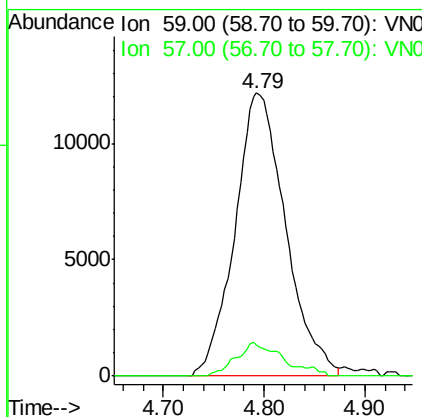
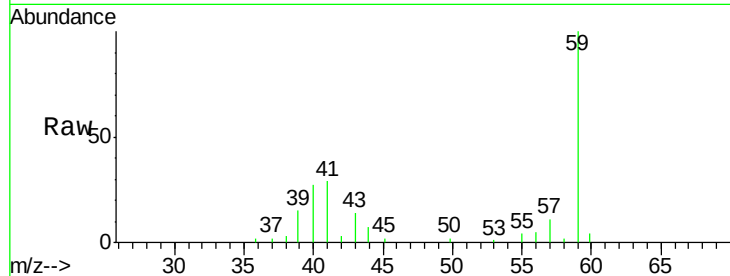
#11
Tert butyl alcohol
Concen: 175.567 ug/l
RT: 4.79 min Scan# 939
Delta R.T. 0.01 min
Lab File: VN055444.D
Acq: 7 May 2019 18:00

Instrument :
MSVOA_N
ClientSampleId :
VN0507WBSD01

Tot Ion	59	57	Ratio	100	10.4	Resp:	42463	Lower	8.2	Upper	12.2

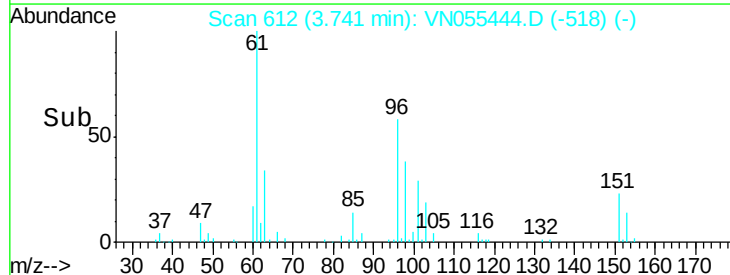
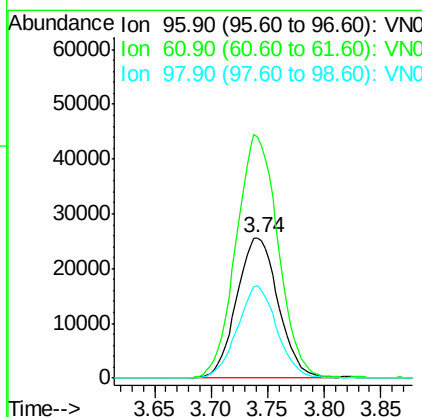
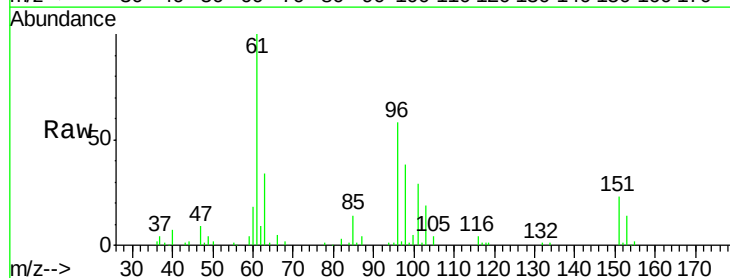
Manual Integrations
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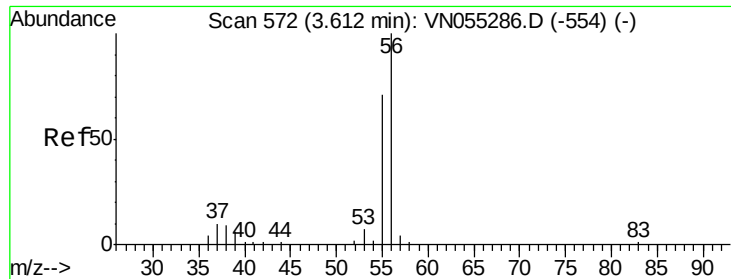
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#12
1,1-Dichloroethene
Concen: 20.561 ug/l
RT: 3.74 min Scan# 612
Delta R.T. 0.00 min
Lab File: VN055444.D
Acq: 7 May 2019 18:00

Tgt Ion	96	61	98	Ratio	100	171.7	65.9	Resp:	65586	Lower	140.9	50.0	Upper	211.3	75.0





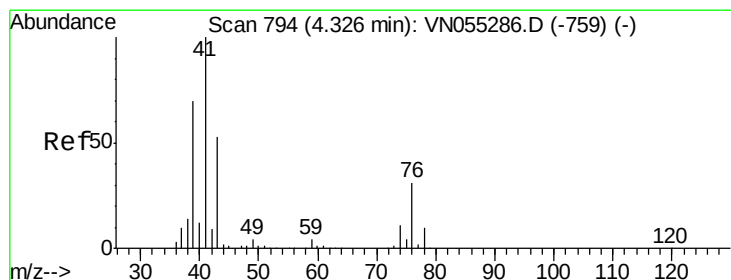
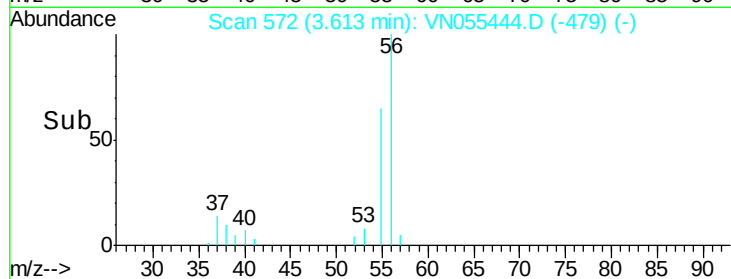
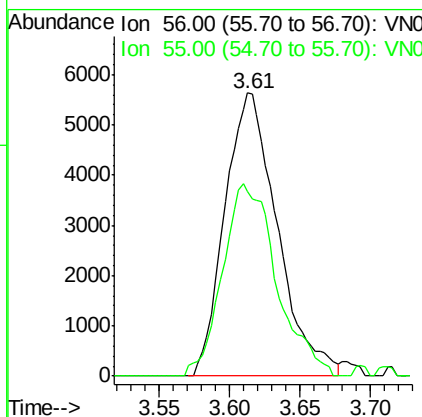
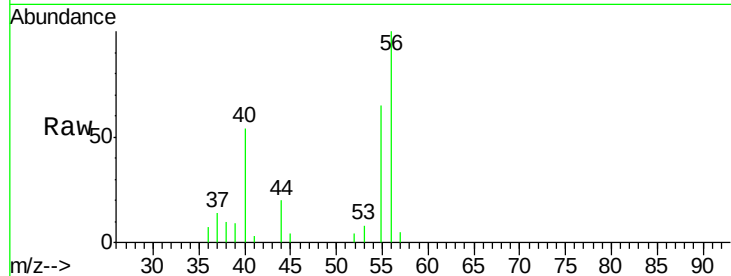
#13
 Acrolein
 Concen: 77.618 ug/l
 RT: 3.61 min Scan# 572
 Delta R.T. 0.00 min
 Lab File: VN055444.D
 Acq: 7 May 2019 18:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0507WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
55	69.8	57.4	86.2	

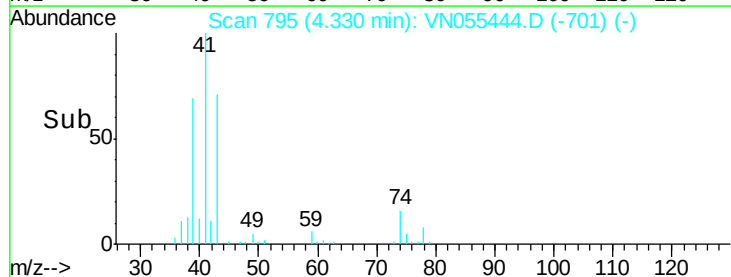
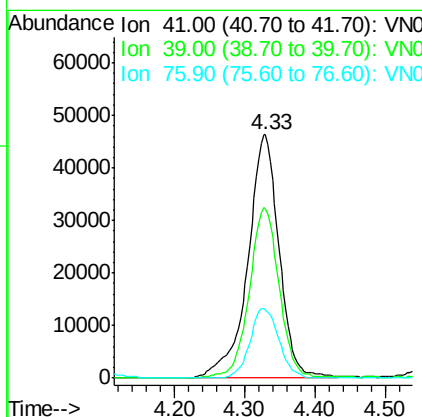
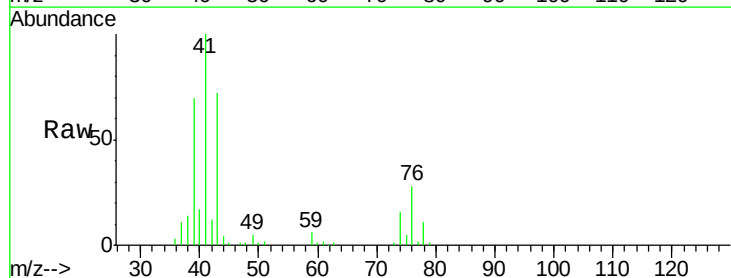
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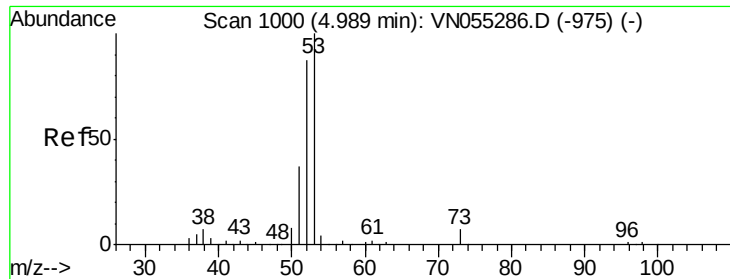
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#14
 Allyl chloride
 Concen: 21.674 ug/l
 RT: 4.33 min Scan# 795
 Delta R.T. 0.00 min
 Lab File: VN055444.D
 Acq: 7 May 2019 18:00

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	66.9	53.0	79.6	
76	26.4	22.7	34.1	





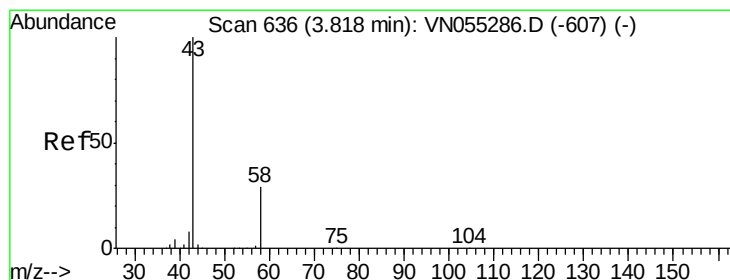
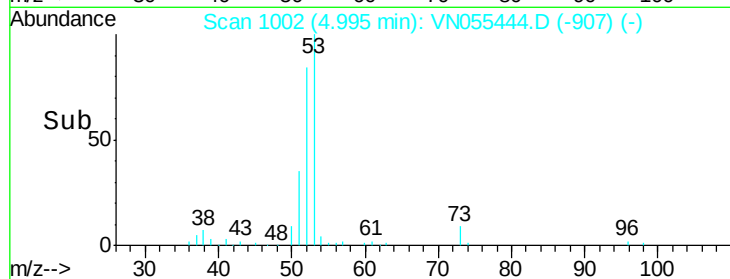
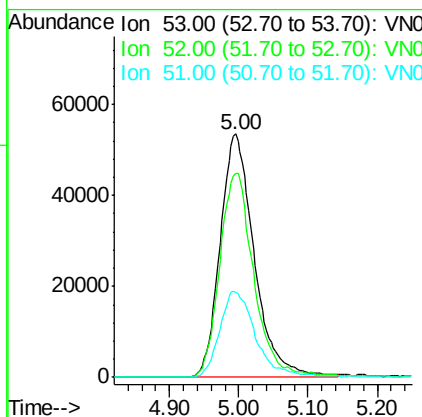
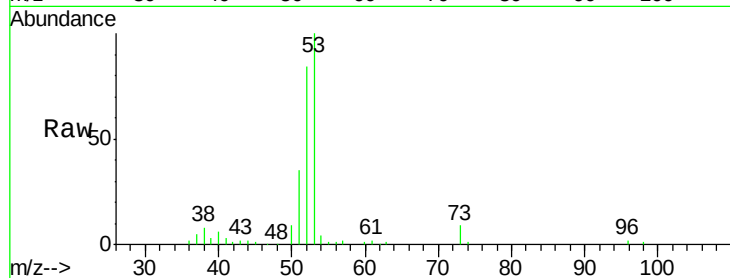
#15
 Acrylonitrile
 Concen: 135.000 ug/l
 RT: 5.00 min Scan# 1002
 Delta R.T. 0.01 min
 Lab File: VN055444.D
 Acq: 7 May 2019 18:00

Instrument :
 MSVOA_N
 ClientSampled :
 VN0507WBSD01

Tot Ion	Ratio	Lower	Upper
53	100		
52	83.0	66.5	99.7
51	37.1	29.6	44.4

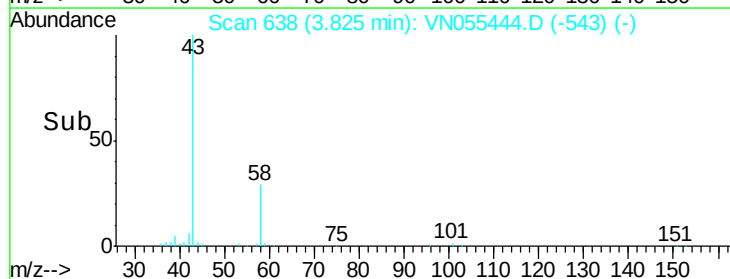
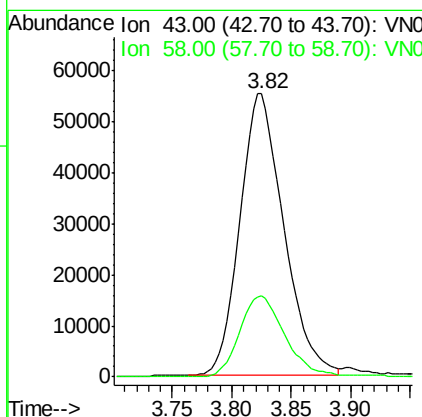
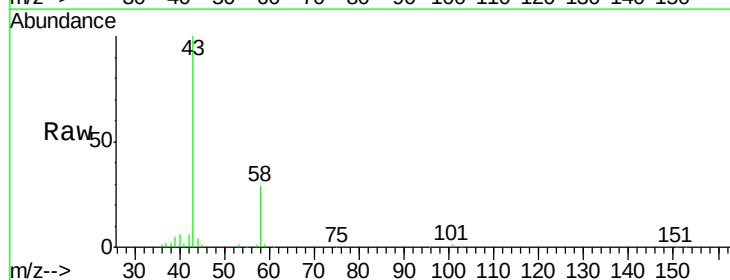
Manual Integrations
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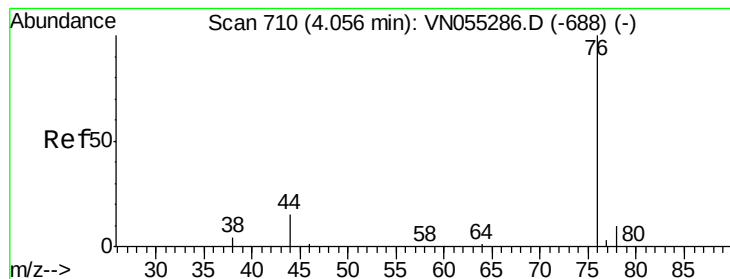
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#16
 Acetone
 Concen: 107.047 ug/l
 RT: 3.82 min Scan# 638
 Delta R.T. 0.01 min
 Lab File: VN055444.D
 Acq: 7 May 2019 18:00

Tgt Ion	Ratio	Lower	Upper
43	100		
58	28.6	23.6	35.4





#17

Carbon Disulfide

Concen: 17.322 ug/l

RT: 4.06 min Scan# 710

Delta R.T. 0.00 min

Lab File: VN055444.D

Acq: 7 May 2019 18:00

Instrument :

MSVOA_N

ClientSampleId :

VN0507WBSD01

Tot Ion: 76 Resp: 144203

Ion Ratio Lower Upper

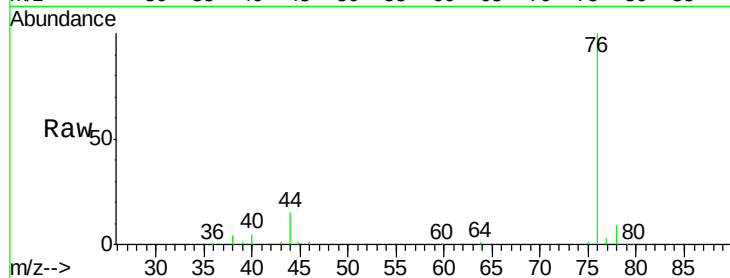
76 100

78 9.1 7.6 11.4

Manual Integrations
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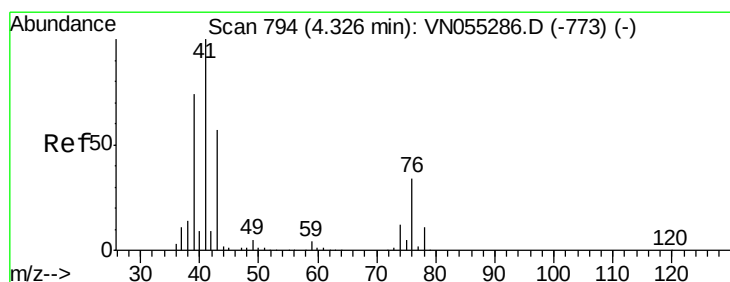
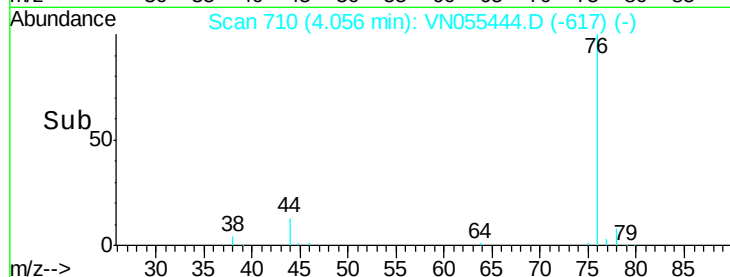
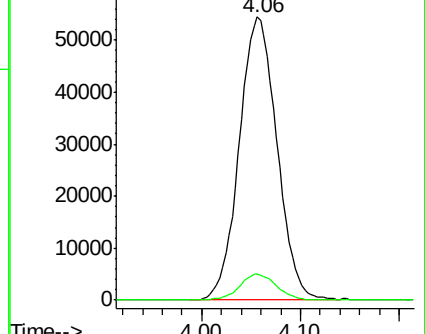
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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 31.569 ug/l

RT: 4.33 min Scan# 796

Delta R.T. 0.01 min

Lab File: VN055444.D

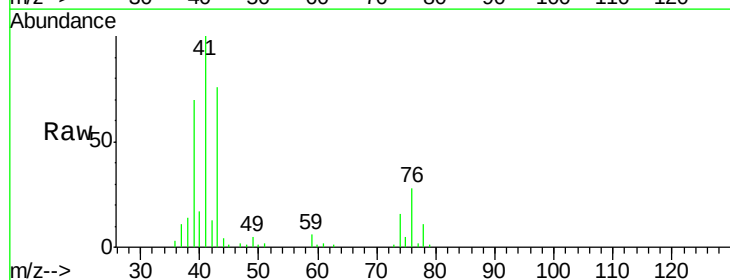
Acq: 7 May 2019 18:00

Tgt Ion: 43 Resp: 102451

Ion Ratio Lower Upper

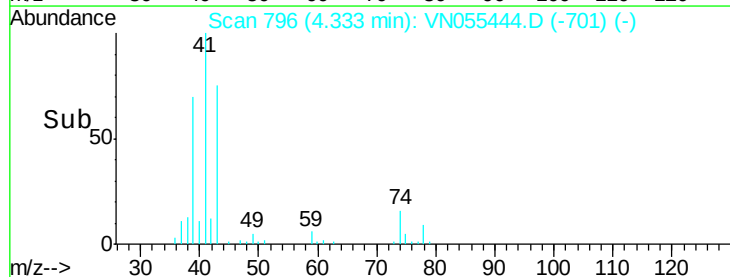
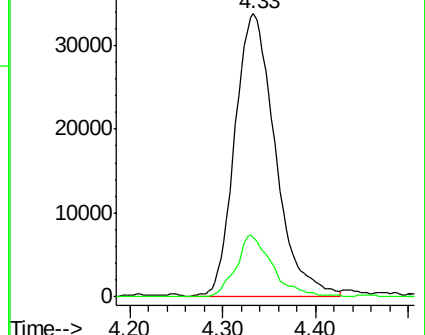
43 100

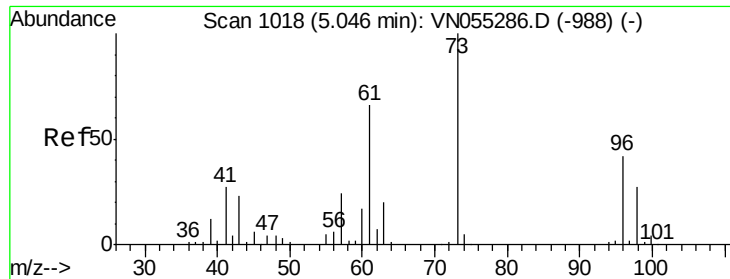
74 19.6 15.8 23.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





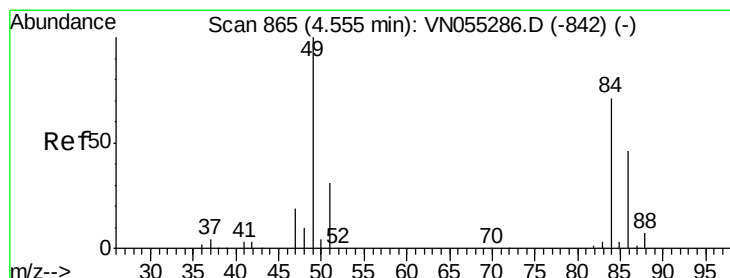
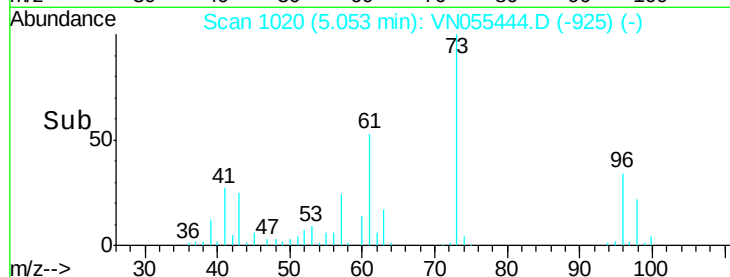
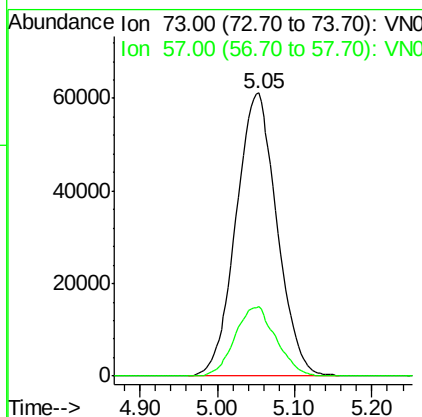
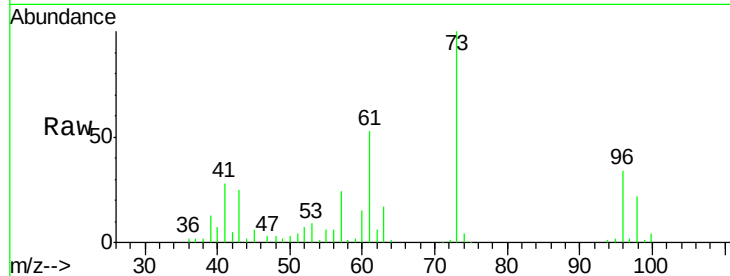
#19
Methyl tert-butyl Ether
Concen: 25.091 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VN055444.D
Acq: 7 May 2019 18:00

Instrument :
MSVOA_N
ClientSampleId :
VN0507WBSD01

Tot Ion: 73 Resp: 225005
Ion Ratio Lower Upper
73 100
57 24.5 19.1 28.7

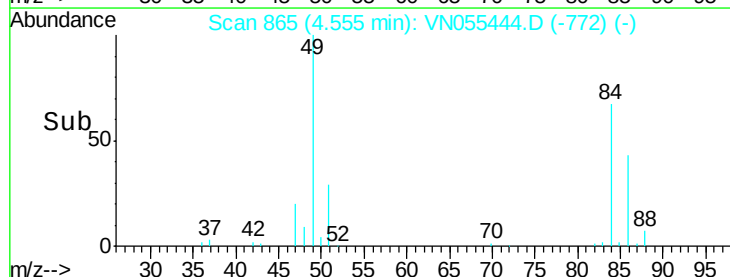
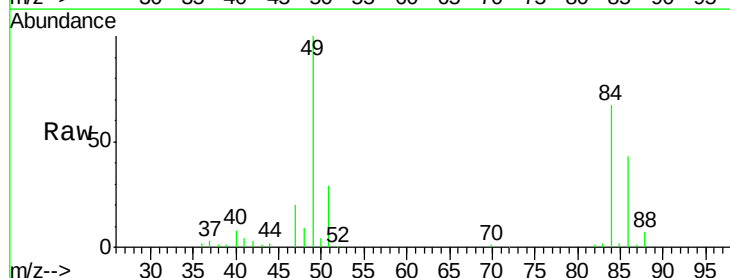
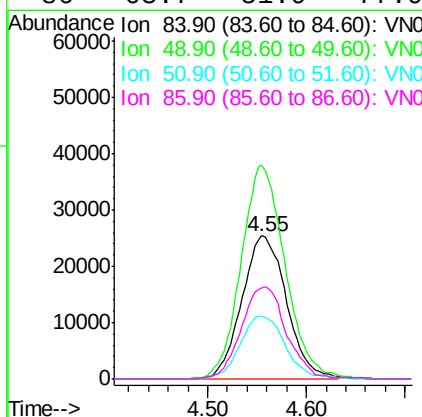
Manual Integrations
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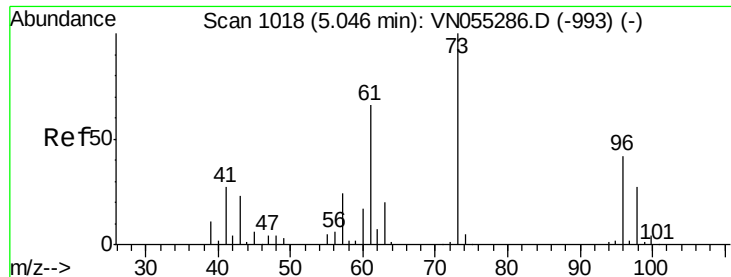
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#20
Methylene Chloride
Concen: 19.833 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN055444.D
Acq: 7 May 2019 18:00

Tgt Ion: 84 Resp: 79684
Ion Ratio Lower Upper
84 100
49 149.5 112.4 168.6
51 43.8 34.6 51.8
86 63.7 51.9 77.9





#21

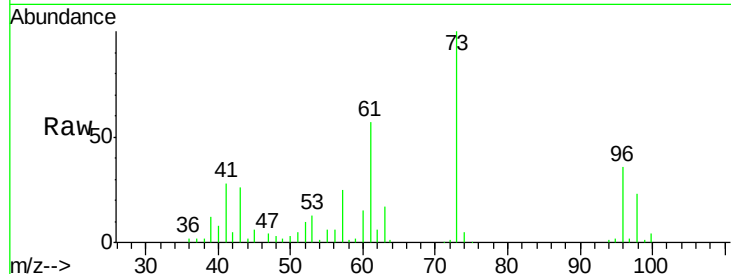
trans-1,2-Dichloroethene
Concen: 20.890 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN055444.D
Acq: 7 May 2019 18:00

Instrument :
MSVOA_N
ClientSampled :
VN0507WBSD01

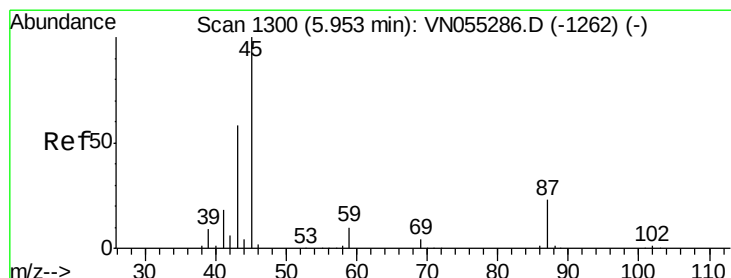
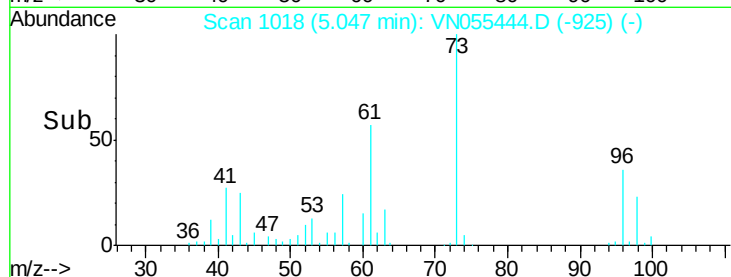
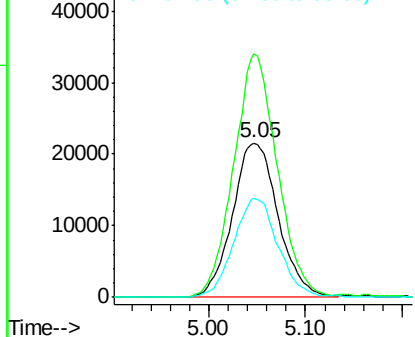
Tot Ion	Ratio	Lower	Upper
96	100		
61	158.1	126.2	189.4
98	64.6	52.2	78.2

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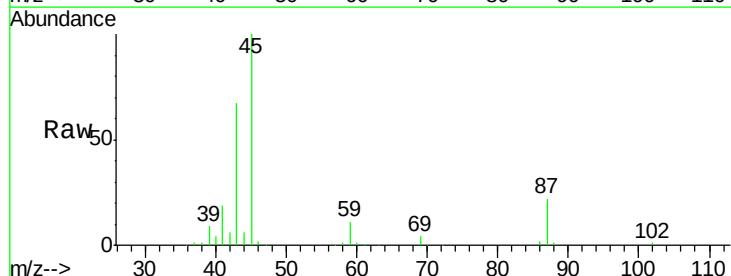
Abundance Ion 95.90 (95.60 to 96.60): VNO
Ion 60.90 (60.60 to 61.60): VNO
Ion 97.90 (97.60 to 98.60): VNO



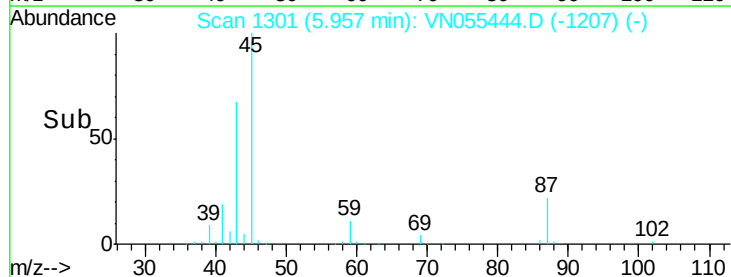
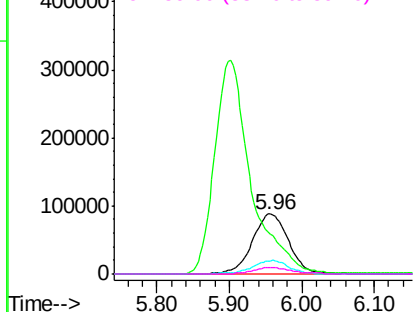
#22

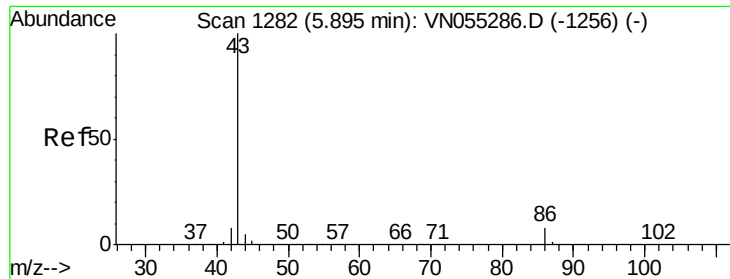
Diisopropyl ether
Concen: 23.472 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN055444.D
Acq: 7 May 2019 18:00

Tgt Ion	Ratio	Lower	Upper
45	100		
43	65.1	46.6	70.0
87	22.0	18.1	27.1
59	10.7	8.2	12.2



Abundance Ion 45.00 (44.70 to 45.70): VNO
Ion 43.00 (42.70 to 43.70): VNO
Ion 87.00 (86.70 to 87.70): VNO
Ion 59.00 (58.70 to 59.70): VNO





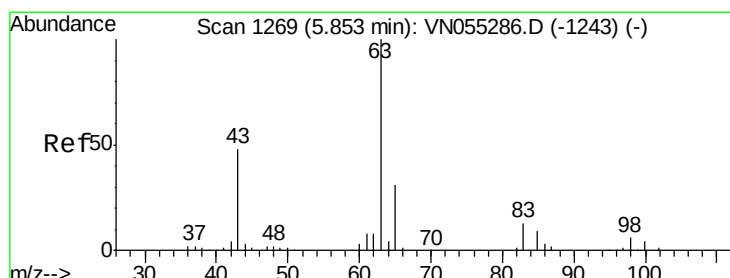
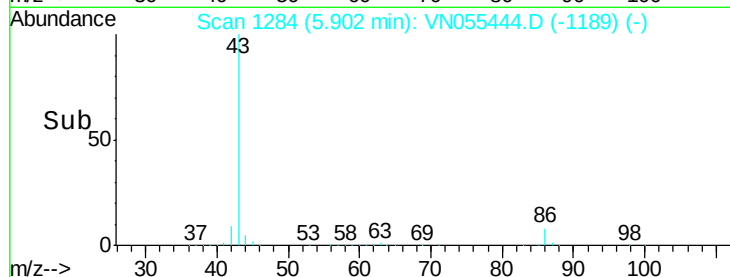
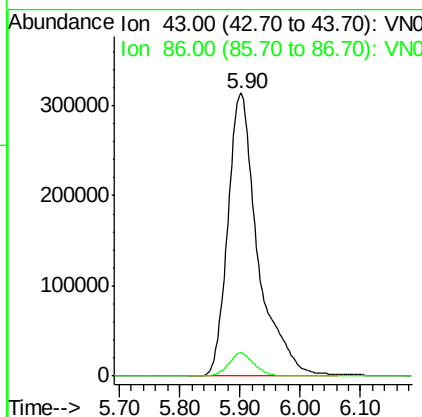
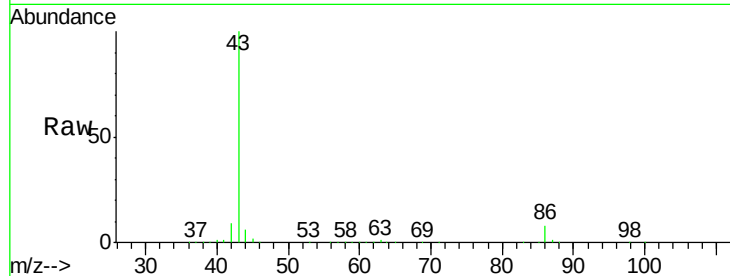
#23
 Vinyl Acetate
 Concen: 127.058 ug/l
 RT: 5.90 min Scan# 1284
 Delta R.T. 0.01 min
 Lab File: VN055444.D
 Acq: 7 May 2019 18:00

Instrument :
 MSVOA_N
 ClientSampled :
 VN0507WBSD01

Tot Ion: 43 Resp: 1093099
 Ion Ratio Lower Upper
 43 100
 86 8.1 6.6 10.0

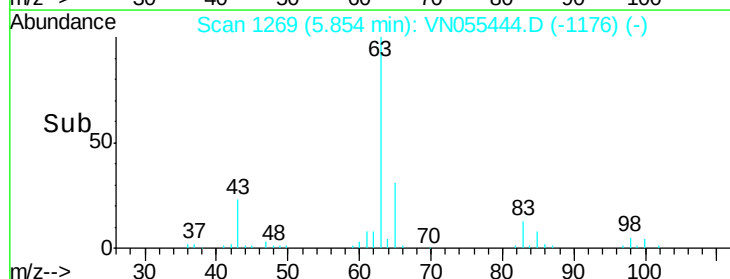
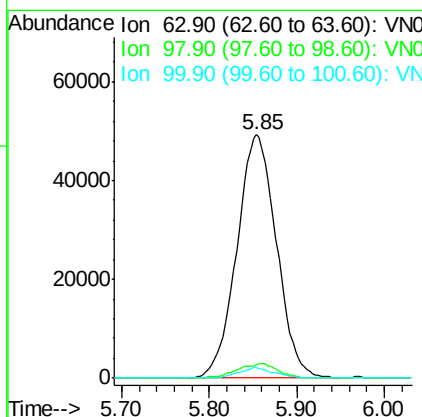
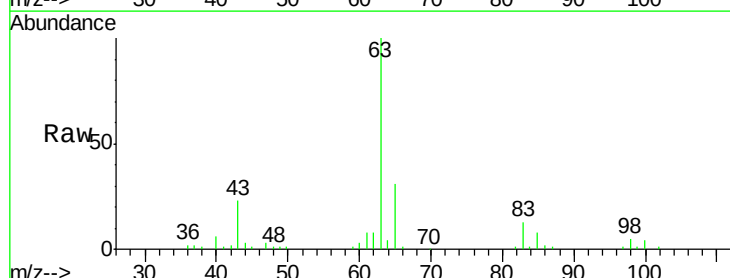
Manual Integrations
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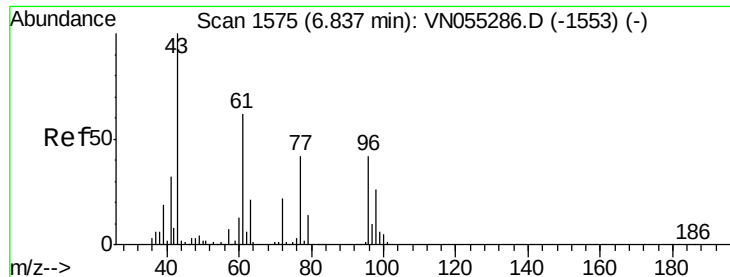
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#24
 1,1-Dichloroethane
 Concen: 22.071 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN055444.D
 Acq: 7 May 2019 18:00

Tgt Ion: 63 Resp: 154366
 Ion Ratio Lower Upper
 63 100
 98 5.4 3.0 9.0
 100 4.2 1.8 5.4





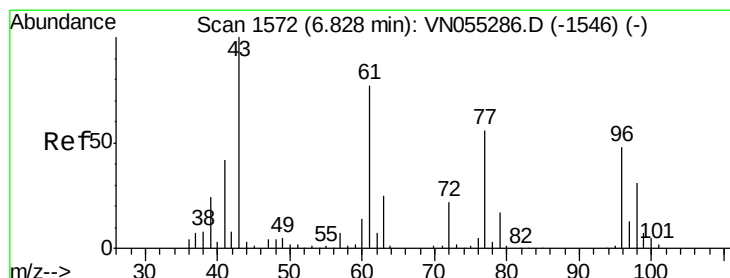
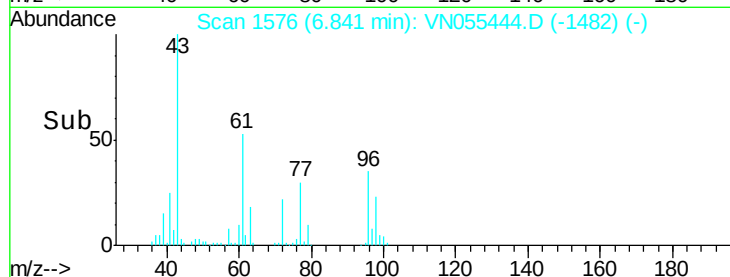
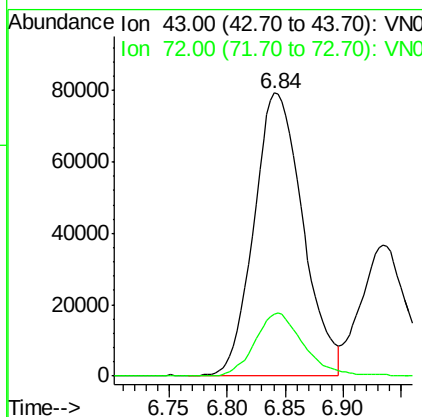
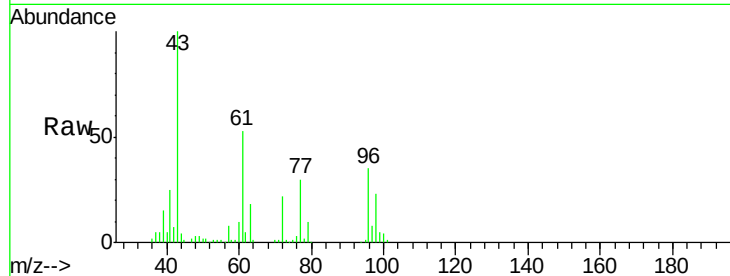
#25
2-Butanone
Concen: 137.492 ug/l
RT: 6.84 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VN055444.D
Acq: 7 May 2019 18:00

Instrument :
MSVOA_N
ClientSampleId :
VN0507WBSD01

Tot Ion: 43 Resp: 231450
Ion Ratio Lower Upper
43 100
72 22.2 18.0 27.0

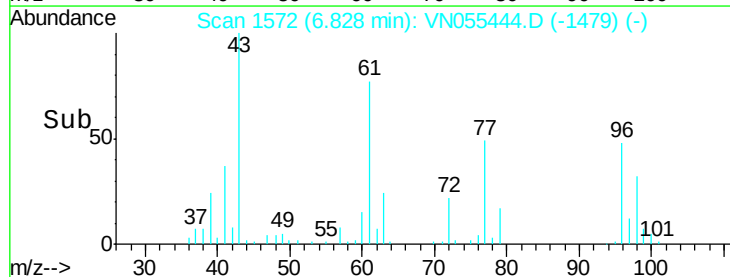
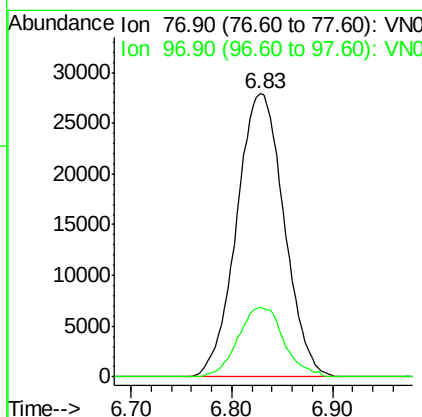
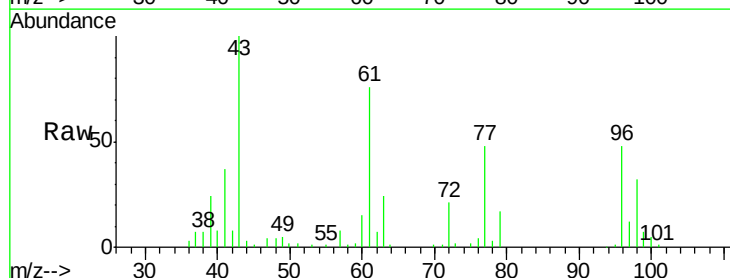
Manual Integrations
APPROVED

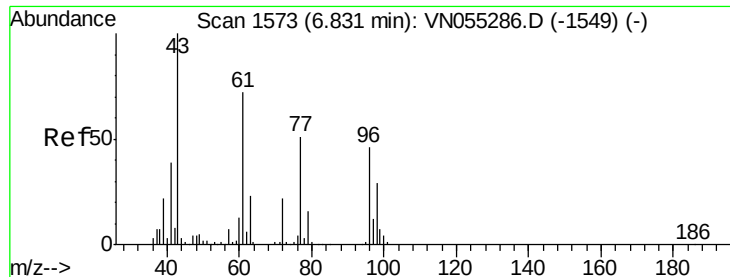
MMDadoda
5/8/2019 10:22:34 AM



#26
2,2-Dichloropropane
Concen: 18.870 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN055444.D
Acq: 7 May 2019 18:00

Tgt Ion: 77 Resp: 91133
Ion Ratio Lower Upper
77 100
97 23.7 11.4 34.2





#27

cis-1,2-Dichloroethene

Concen: 22.128 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN055444.D

Acq: 7 May 2019 18:00

Instrument :

MSVOA_N

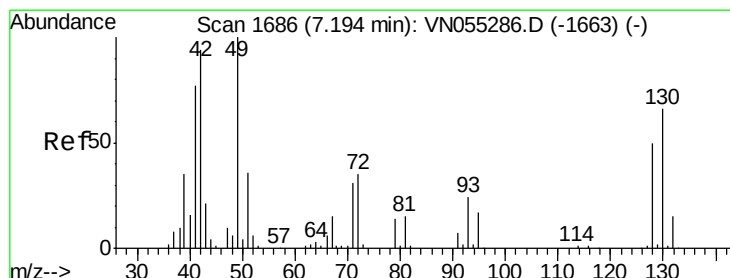
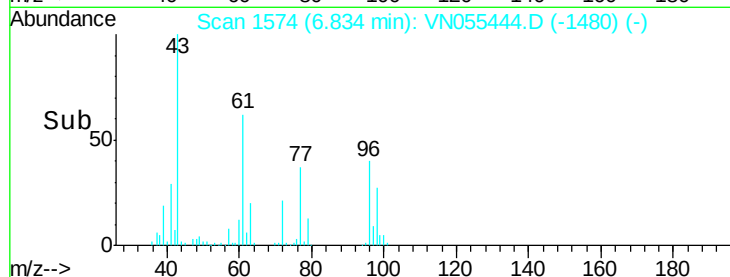
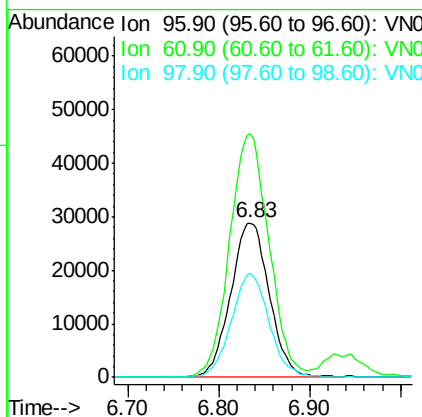
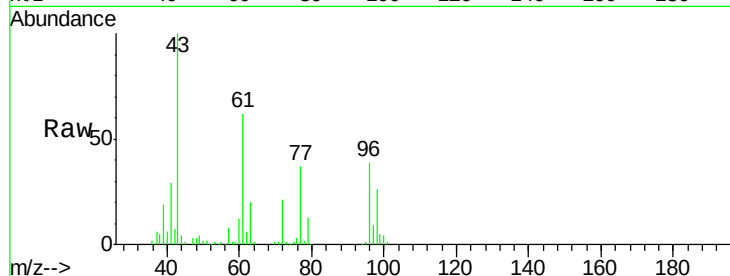
ClientSampleId :

VN0507WBSD01

Tot Ion:	96	Resp:	85010
Ion	Ratio	Lower	Upper
96	100		
61	160.4	0.0	316.2
98	65.8	0.0	126.6

Manual Integrations
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MMDadoda
5/8/2019 10:22:34 AM



#28

Bromochloromethane

Concen: 22.857 ug/l

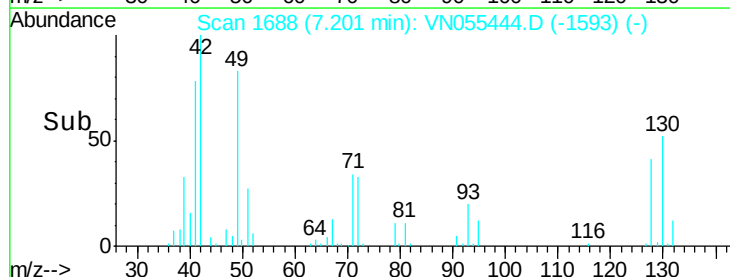
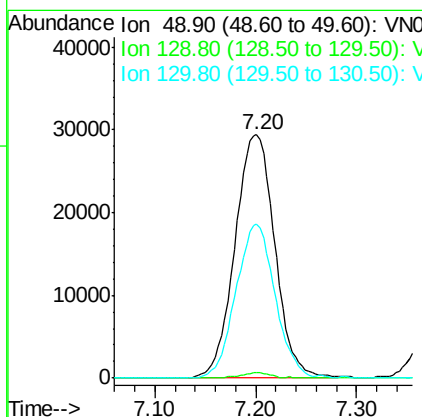
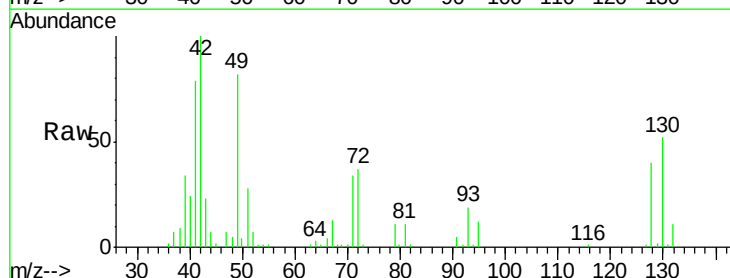
RT: 7.20 min Scan# 1688

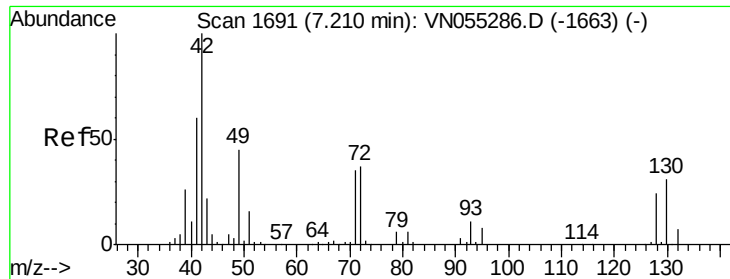
Delta R.T. 0.01 min

Lab File: VN055444.D

Acq: 7 May 2019 18:00

Tgt Ion:	49	Resp:	80580
Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	2.4
130	61.9	52.0	78.0





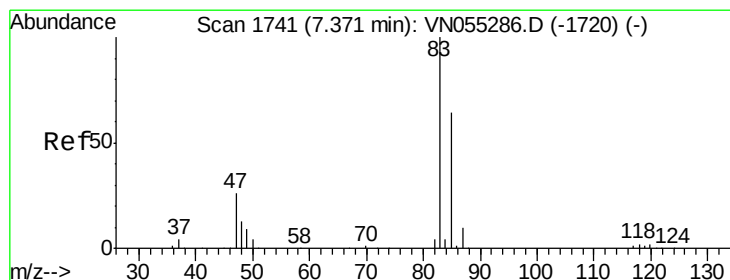
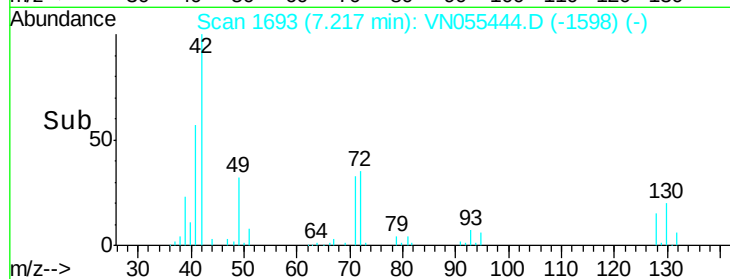
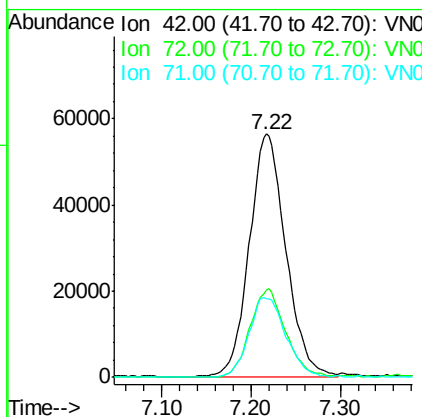
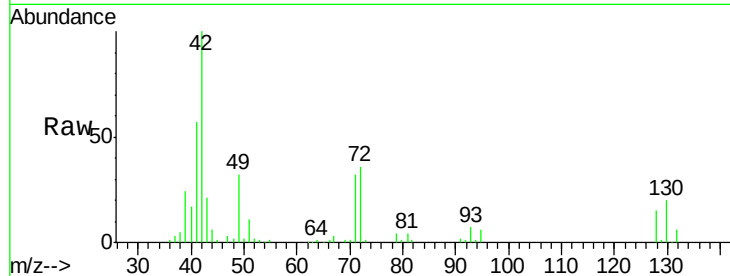
#29
Tetrahydrofuran
Concen: 148.724 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.01 min
Lab File: VN055444.D
Acq: 7 May 2019 18:00

Instrument :
MSVOA_N
ClientSampled :
VN0507WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	35.7	29.0	43.6
71	33.4	27.1	40.7

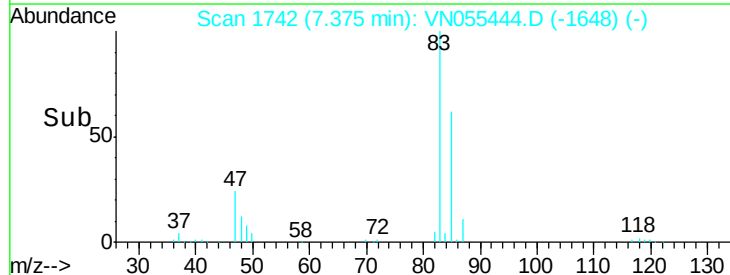
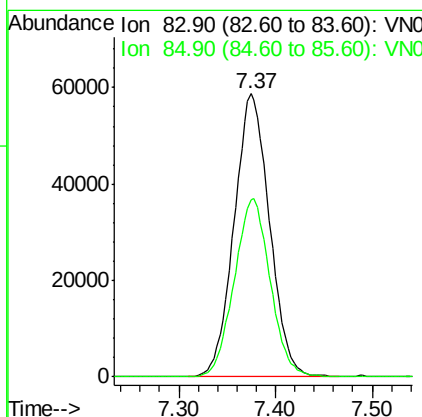
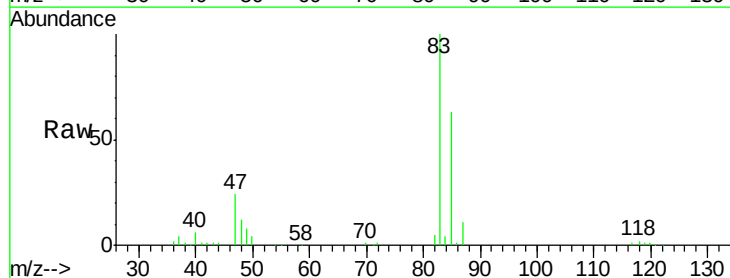
Manual Integrations
APPROVED

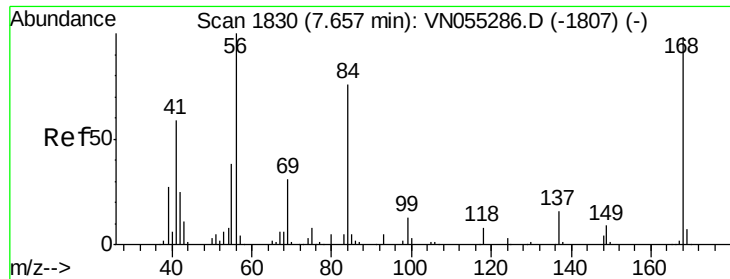
MMDadoda
5/8/2019 10:22:34 AM



#30
Chloroform
Concen: 22.523 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN055444.D
Acq: 7 May 2019 18:00

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.6	51.4	77.2





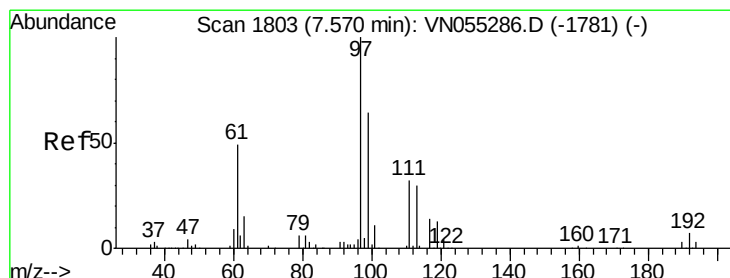
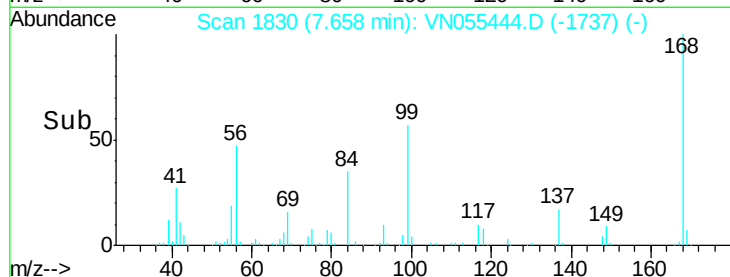
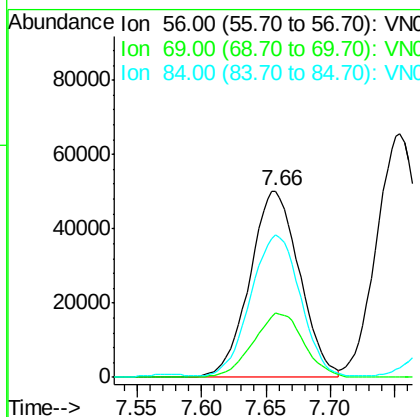
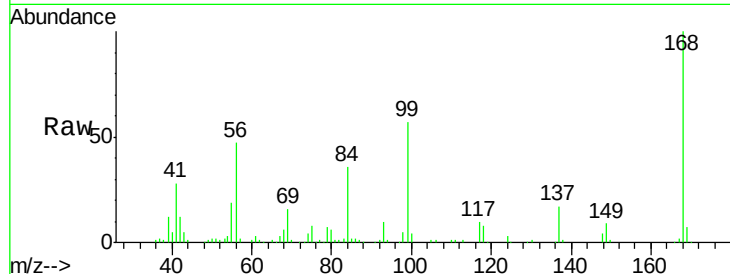
#31
Cyclohexane
Concen: 20.259 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN055444.D
Acq: 7 May 2019 18:00

Instrument :
MSVOA_N
ClientSampled :
VN0507WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.3	25.2	37.8
84	75.2	61.1	91.7

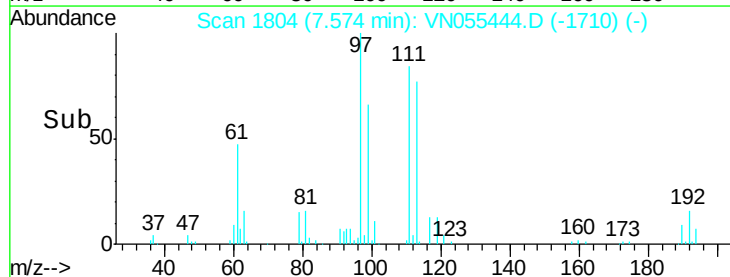
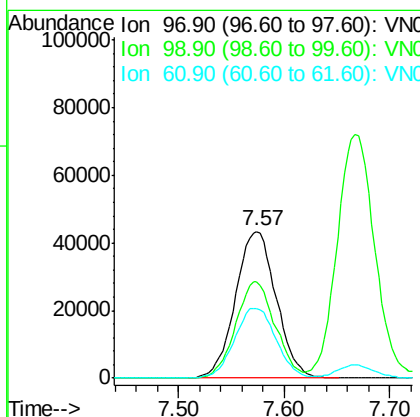
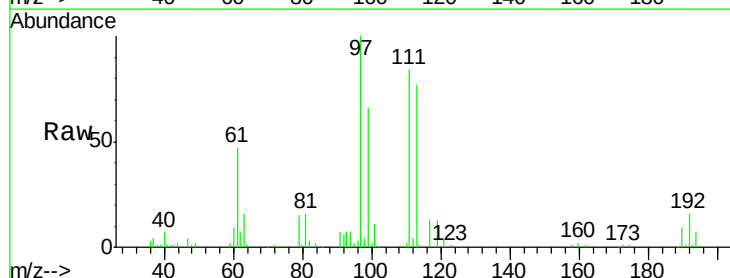
Manual Integrations
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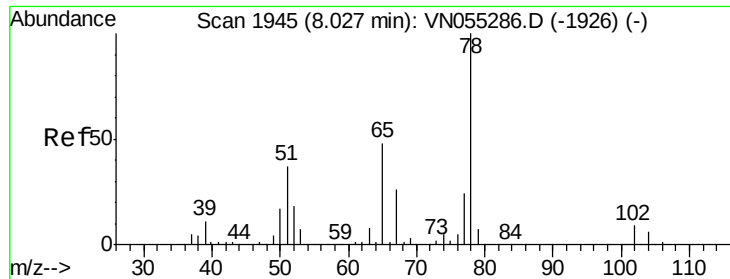
MMDadoda
5/8/2019 10:22:34 AM



#32
1,1,1-Trichloroethane
Concen: 21.616 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VN055444.D
Acq: 7 May 2019 18:00

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.8	77.8
61	48.6	39.0	58.6





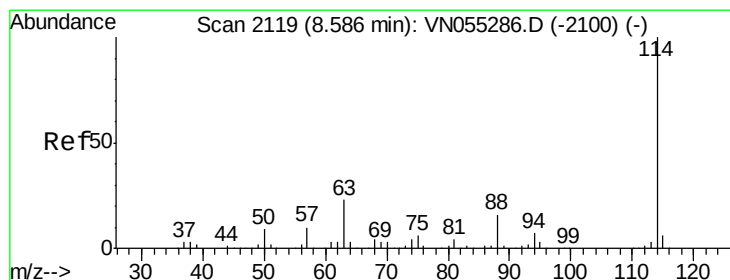
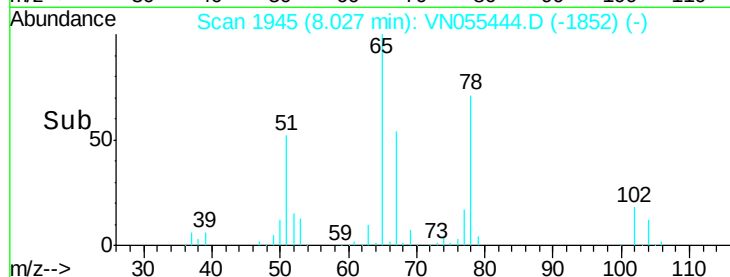
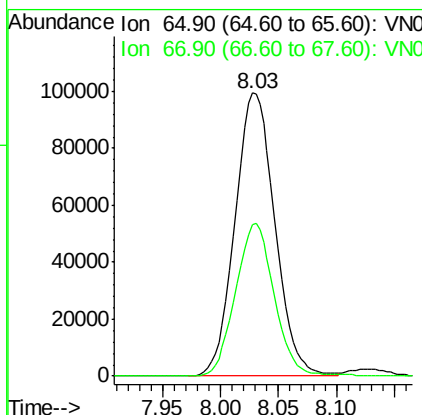
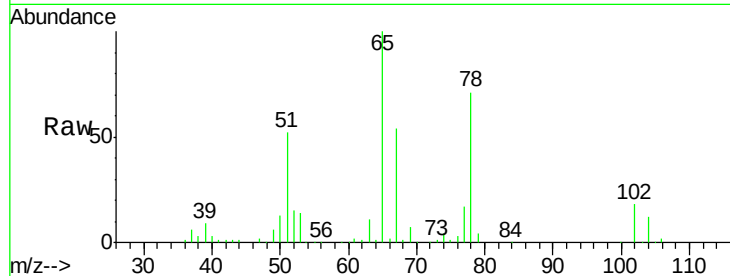
#33
 1,2-Dichloroethane-d4
 Concen: 56.317 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055444.D
 Acq: 7 May 2019 18:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0507WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	237908		
67	52.0	0.0	106.8	

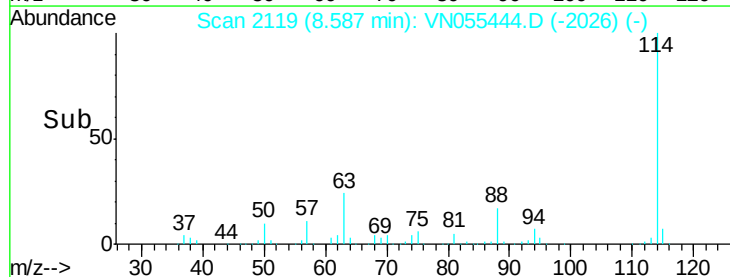
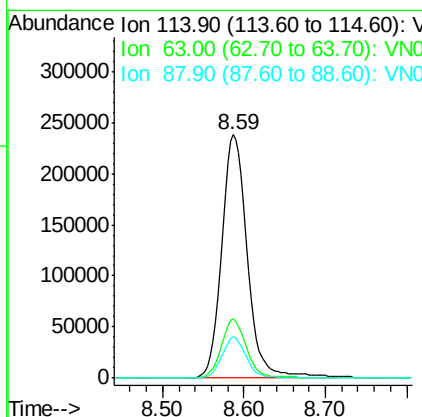
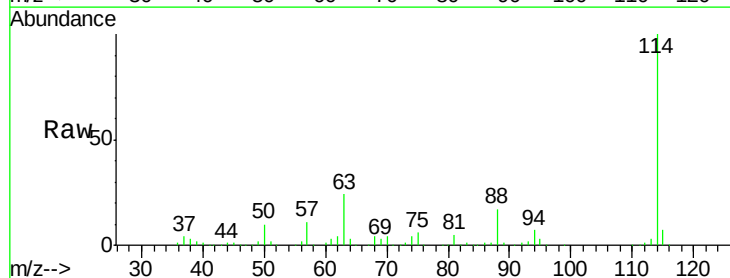
Manual Integrations
 APPROVED

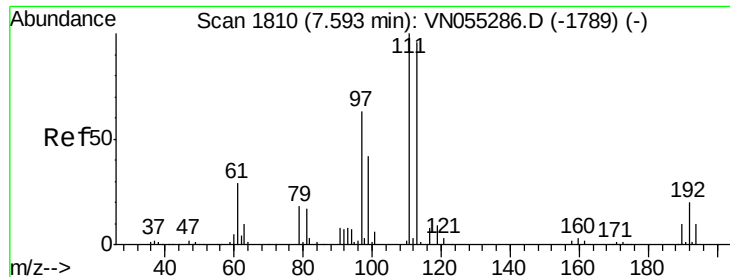
MMDadoda
 5/8/2019 10:22:34 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055444.D
 Acq: 7 May 2019 18:00

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	530932		
63	24.5	0.0	45.2	
88	17.1	0.0	31.6	





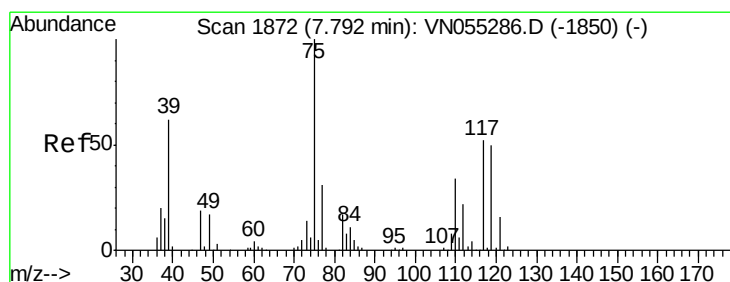
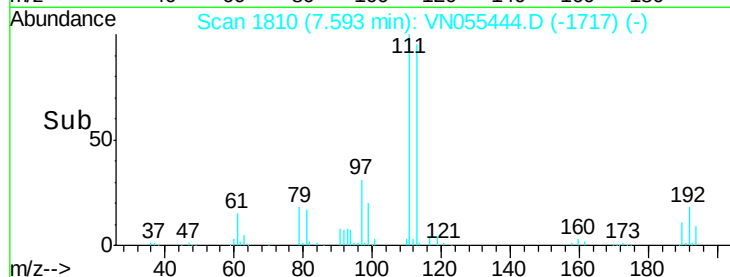
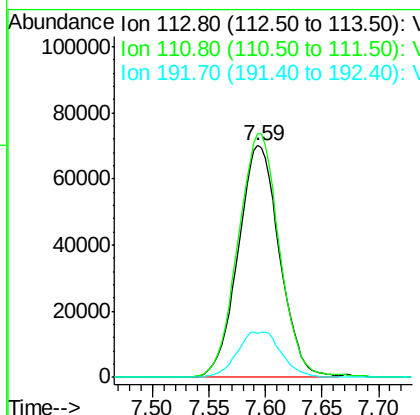
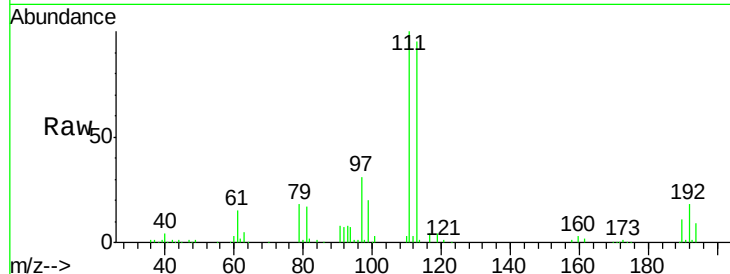
#35
 Dibromofluoromethane
 Concen: 51.131 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN055444.D
 Acq: 7 May 2019 18:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0507WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	105.6	82.3	123.5	
192	10.6	17.0	25.6	

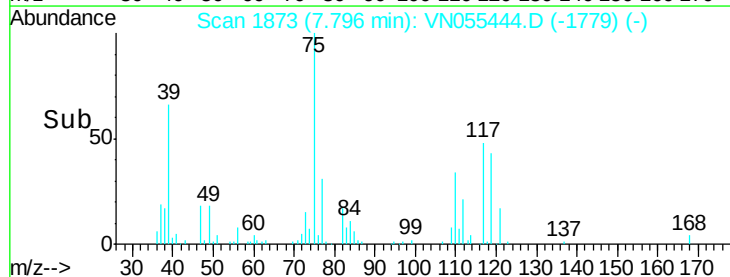
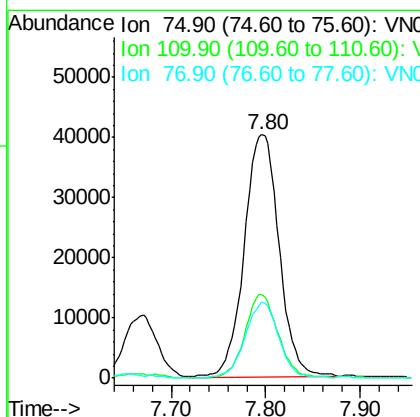
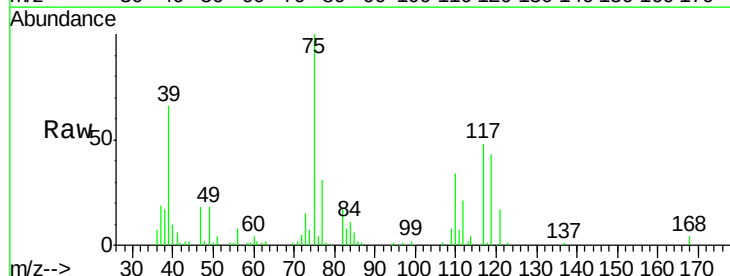
Manual Integrations
 APPROVED

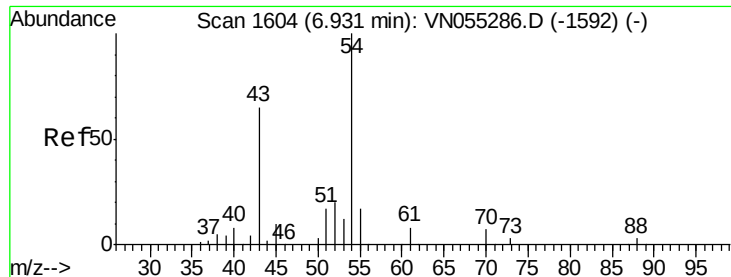
MMDadoda
 5/8/2019 10:22:34 AM



#36
 1,1-Dichloropropene
 Concen: 20.179 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN055444.D
 Acq: 7 May 2019 18:00

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	33.1	16.8	50.4	
77	30.4	25.0	37.6	





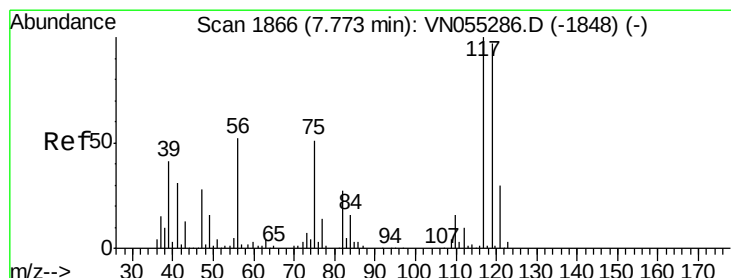
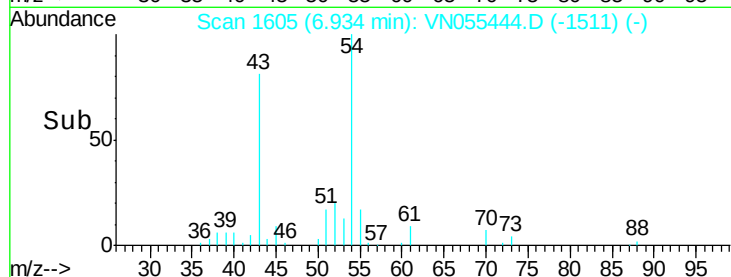
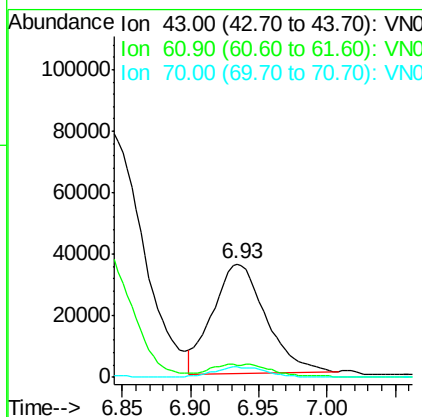
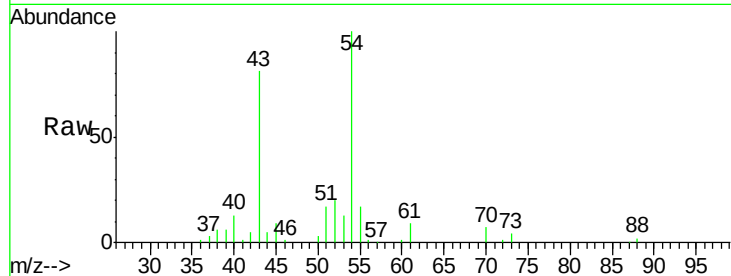
#37
Ethyl Acetate
Concen: 24.651 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN055444.D
Acq: 7 May 2019 18:00

Instrument :
MSVOA_N
ClientSampled :
VN0507WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.4	15.6#
70	9.6	6.6	10.0

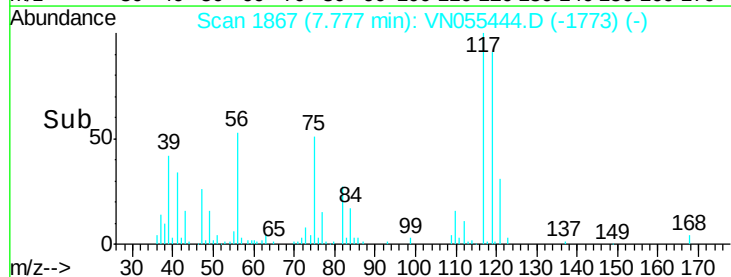
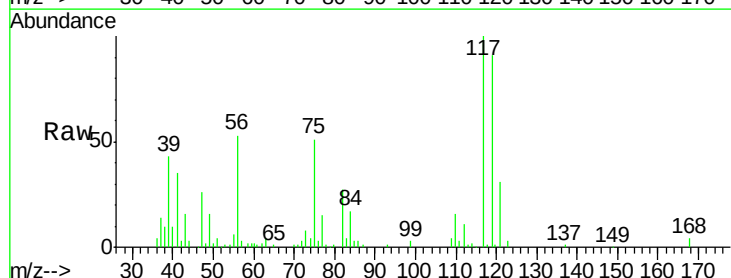
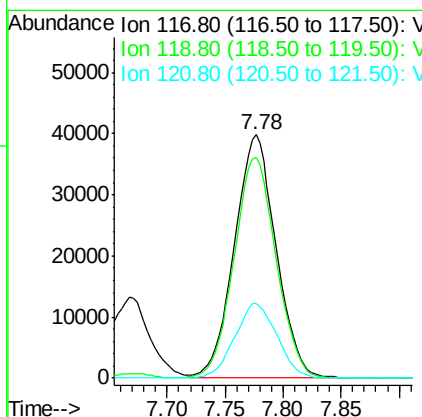
Manual Integrations
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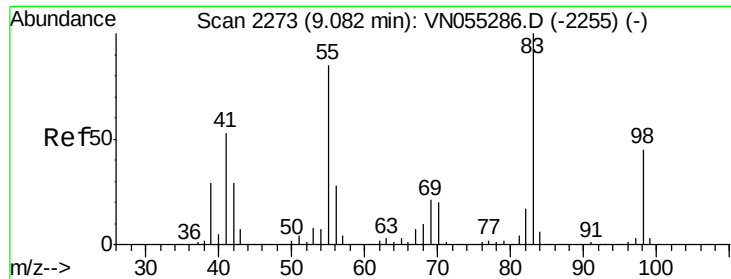
MMDadoda
5/8/2019 10:22:34 AM



#38
Carbon Tetrachloride
Concen: 20.276 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN055444.D
Acq: 7 May 2019 18:00

Tgt Ion	Ratio	Lower	Upper
117	100		
119	90.5	77.0	115.6
121	30.8	23.8	35.8





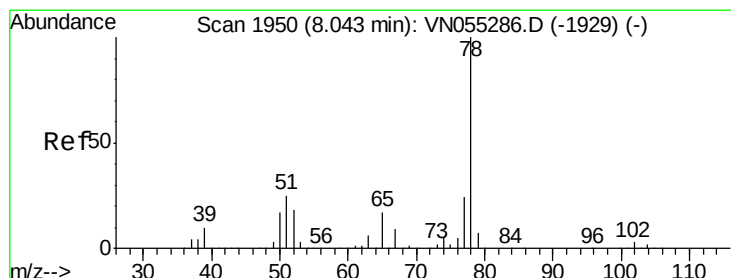
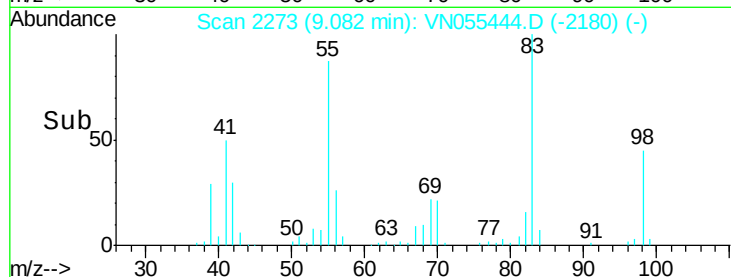
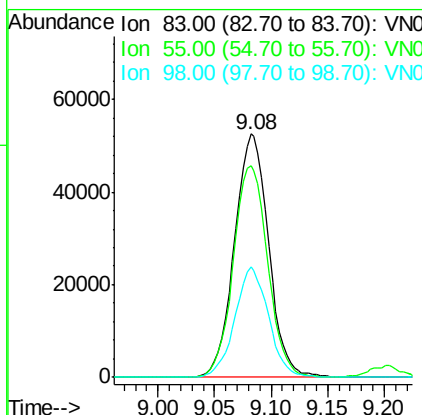
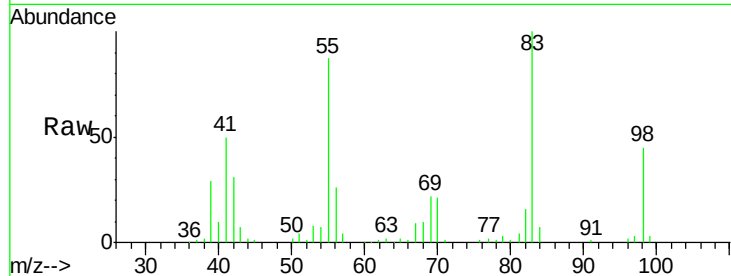
#39
Methylvlcyclohexane
Concen: 20.428 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN055444.D
Acq: 7 May 2019 18:00

Instrument :
MSVOA_N
ClientSampleId :
VN0507WBSD01

Tot Ion	83.00	Resp	110455
Ion Ratio	100	Lower	Upper
83	100		
55	86.7	67.8	101.6
98	45.4	36.2	54.4

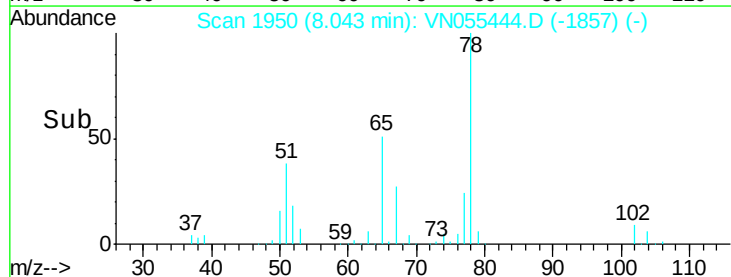
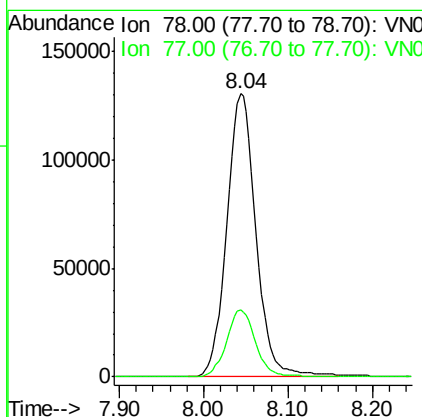
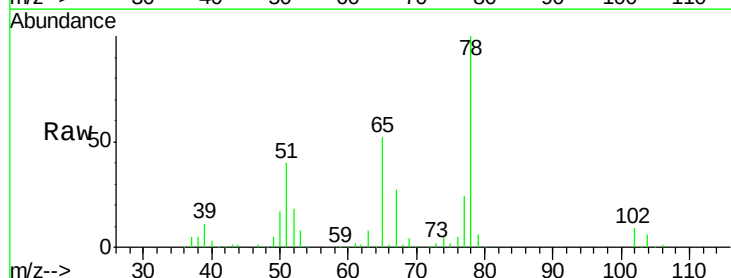
Manual Integrations
APPROVED

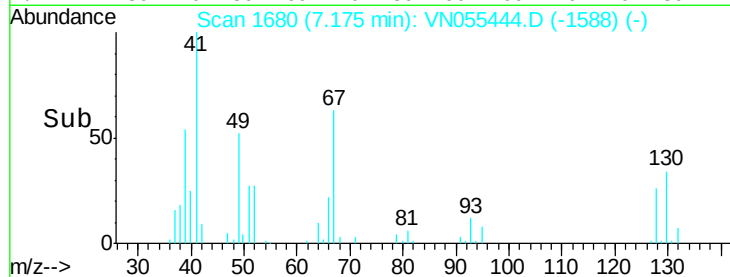
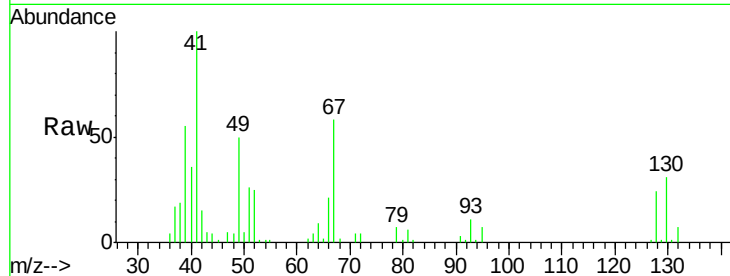
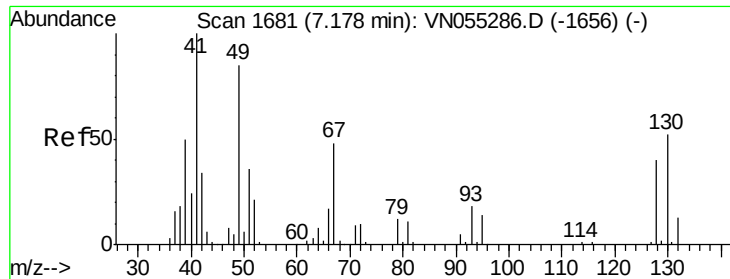
MMDadoda
5/8/2019 10:22:34 AM



#40
Benzene
Concen: 20.953 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN055444.D
Acq: 7 May 2019 18:00

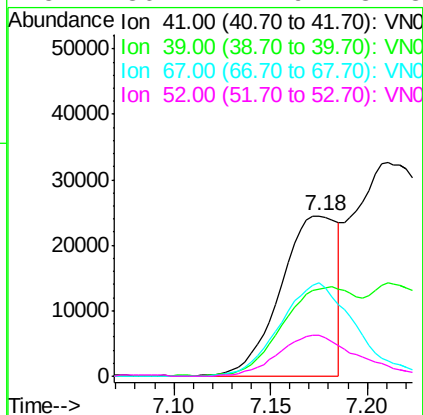
Tgt Ion	78.00	Resp	314122
Ion Ratio	100	Lower	Upper
78	100		
77	23.7	19.0	28.6





#41
Methacrylonitrile
Concen: 24.065 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN055444.D
Acq: 7 May 2019 18:00

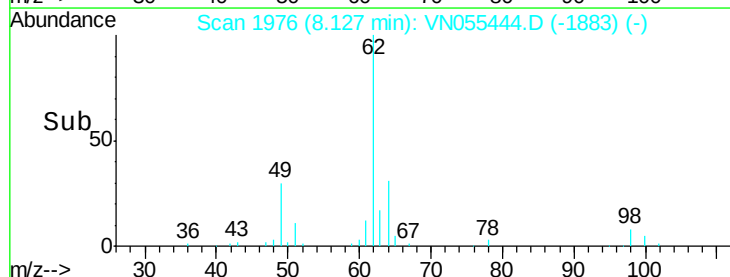
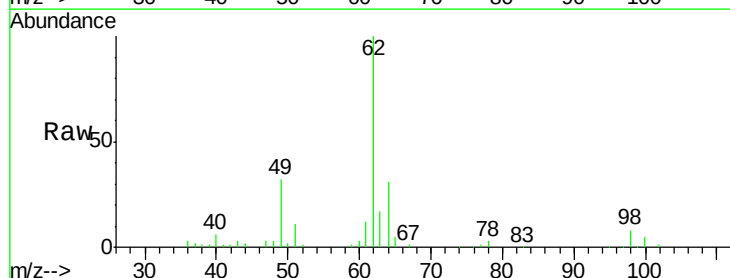
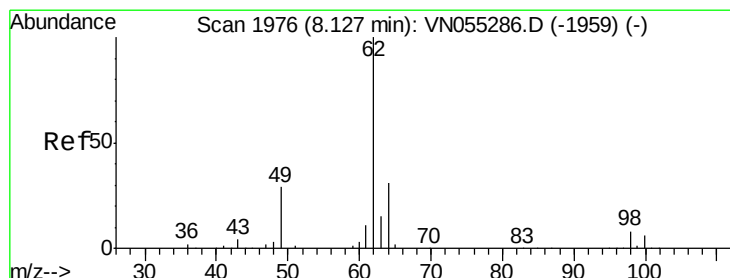
Tot Ion	Ratio	Lower	Upper
41	100		
39	73.9	48.5	72.7#
67	79.0	54.9	82.3
52	36.1	24.9	37.3



Instrument :
MSVOA_N
ClientSampleId :
VN0507WBSD01

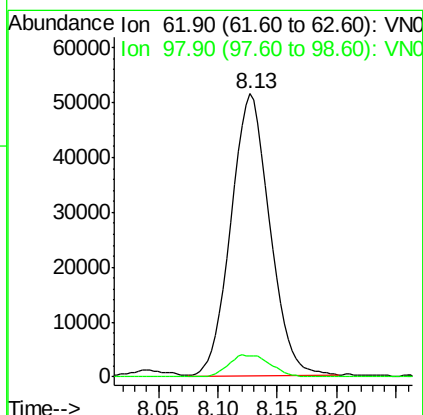
Manual Integrations
APPROVED

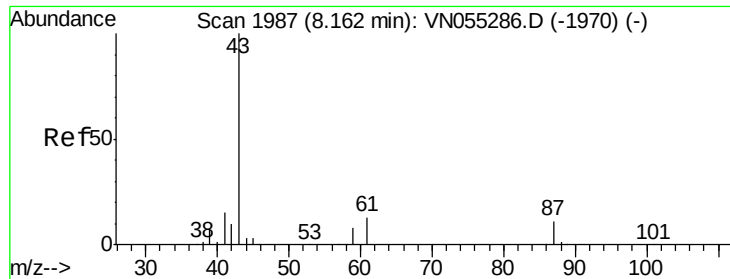
MMDadoda
5/8/2019 10:22:34 AM



#42
1,2-Dichloroethane
Concen: 21.945 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN055444.D
Acq: 7 May 2019 18:00

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	16.4





#43

Isopropyl Acetate

Concen: 27.496 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN055444.D

Acq: 7 May 2019 18:00

Instrument :

MSVOA_N

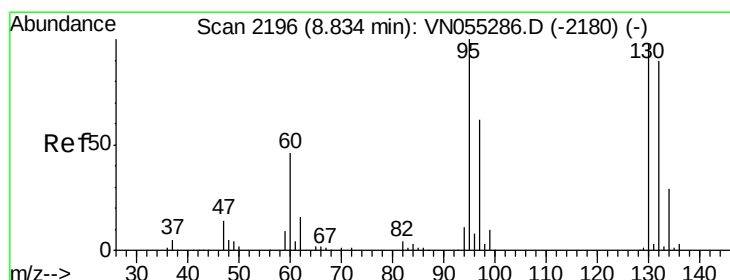
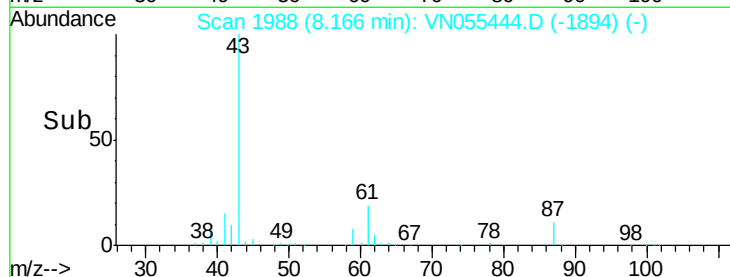
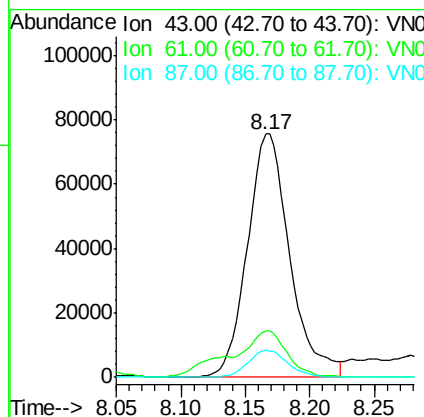
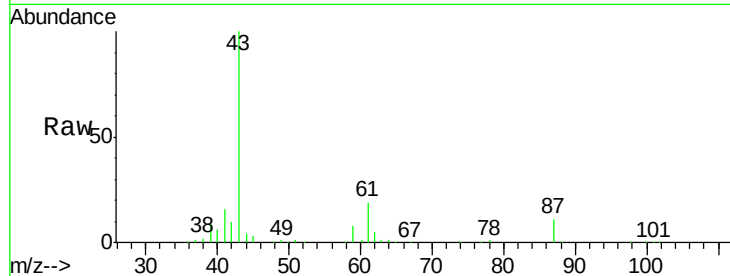
ClientSampleId :

VN0507WBSD01

Tot Ion:	43	Resp:	172224
Ion	Ratio	Lower	Upper
43	100		
61	17.1	20.8	31.2#
87	10.6	8.5	12.7

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#44

Trichloroethene

Concen: 20.216 ug/l

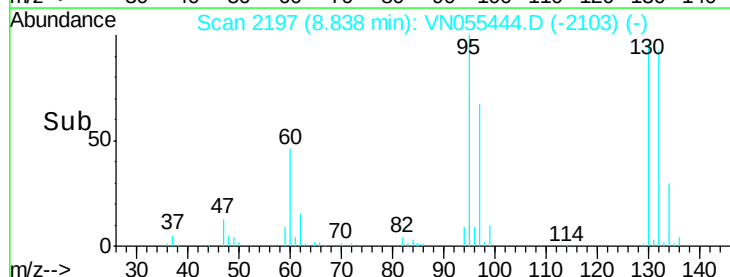
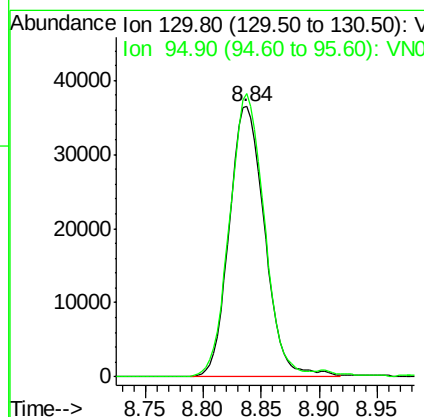
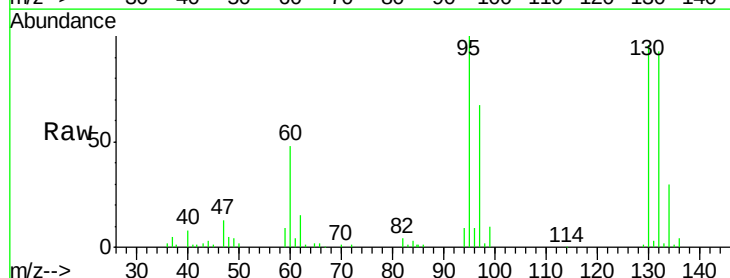
RT: 8.84 min Scan# 2197

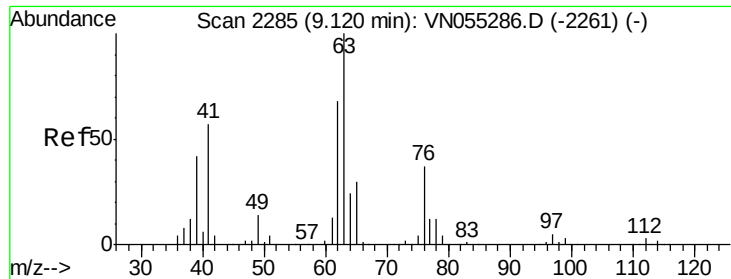
Delta R.T. 0.00 min

Lab File: VN055444.D

Acq: 7 May 2019 18:00

Tgt Ion:	130	Resp:	77261
Ion	Ratio	Lower	Upper
130	100		
95	104.6	0.0	203.4





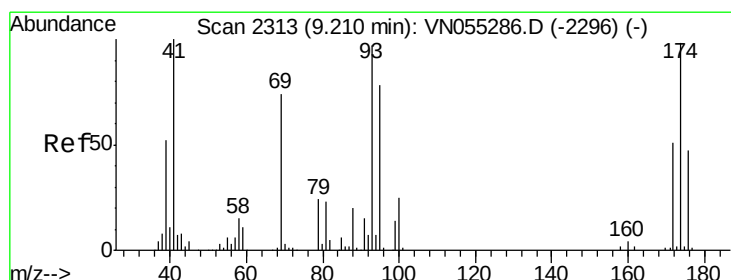
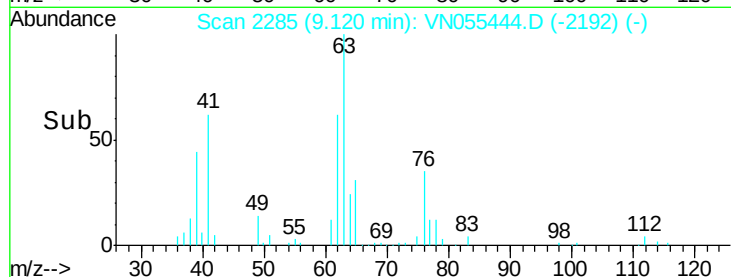
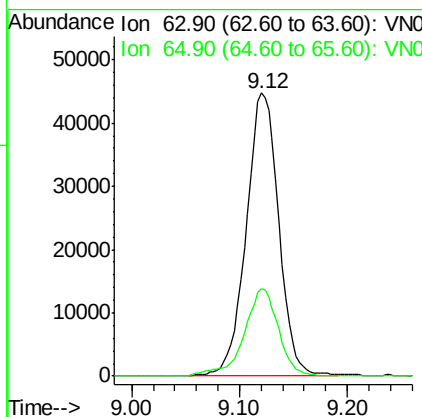
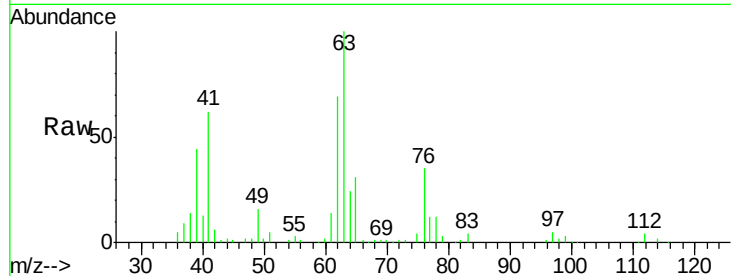
#45
 1,2-Dichloropropane
 Concen: 21.665 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN055444.D
 Acq: 7 May 2019 18:00

Instrument :
 MSVOA_N
 ClientSampled :
 VN0507WBSD01

Tot Ion: 63 Resp: 93675
 Ion Ratio Lower Upper
 63 100
 65 31.2 23.9 35.9

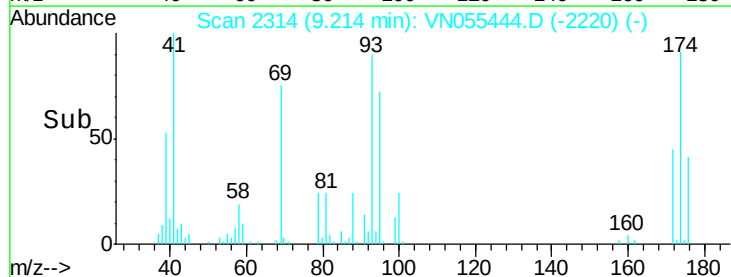
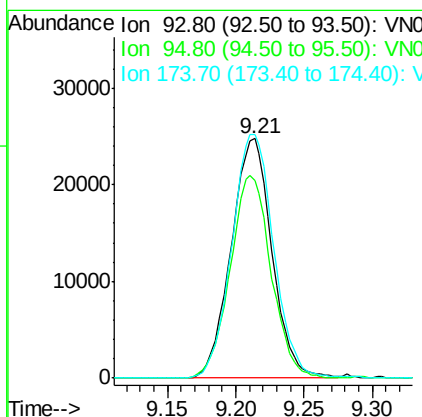
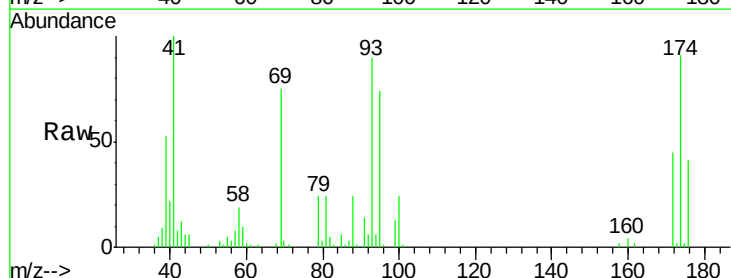
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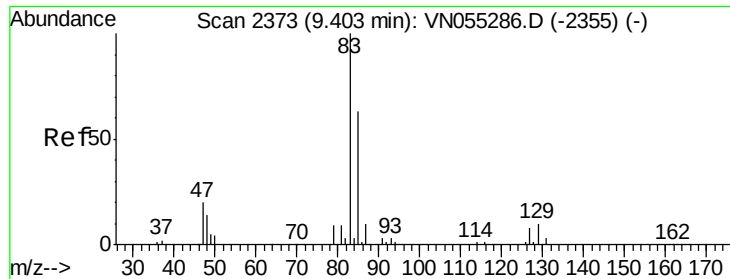
MMDadoda
 5/8/2019 10:22:34 AM



#46
 Dibromomethane
 Concen: 21.798 ug/l
 RT: 9.21 min Scan# 2314
 Delta R.T. 0.00 min
 Lab File: VN055444.D
 Acq: 7 May 2019 18:00

Tgt Ion: 93 Resp: 51519
 Ion Ratio Lower Upper
 93 100
 95 84.5 65.7 98.5
 174 104.2 81.5 122.3





#47

Bromodichloromethane

Concen: 21.771 ug/l

RT: 9.41 min Scan# 2374

Delta R.T. 0.00 min

Lab File: VN055444.D

Acq: 7 May 2019 18:00

Instrument :

MSVOA_N

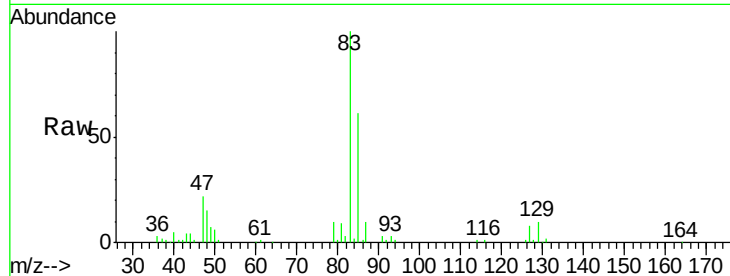
ClientSampled :

VN0507WBSD01

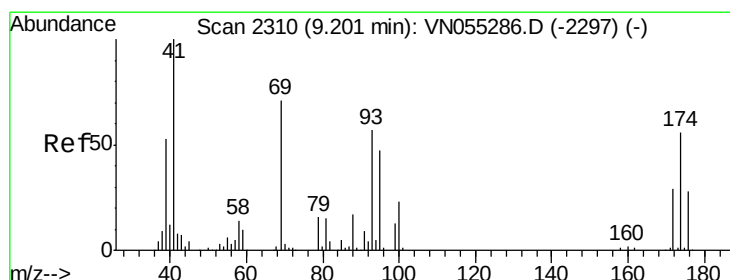
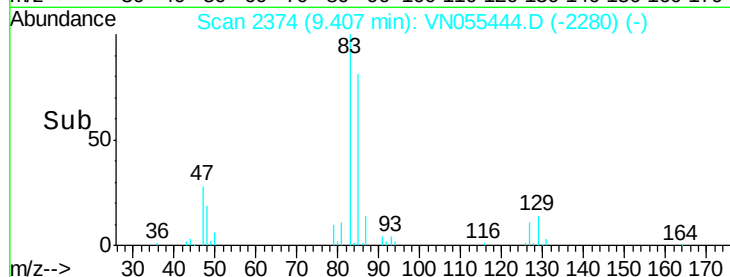
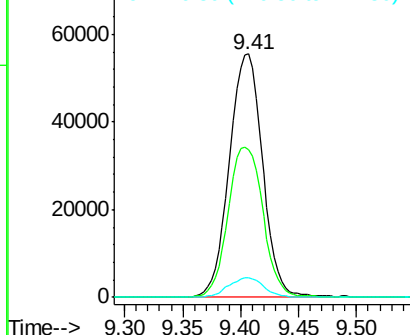
Tot Ion:	83	Resp:	110385
Ion Ratio	Lower	Upper	
83	100		
85	60.7	50.1	75.1
127	8.0	6.7	10.1

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Abundance Ion 82.90 (82.60 to 83.60): VN055444.D (-2280) (-)



#48

Methyl methacrylate

Concen: 26.520 ug/l

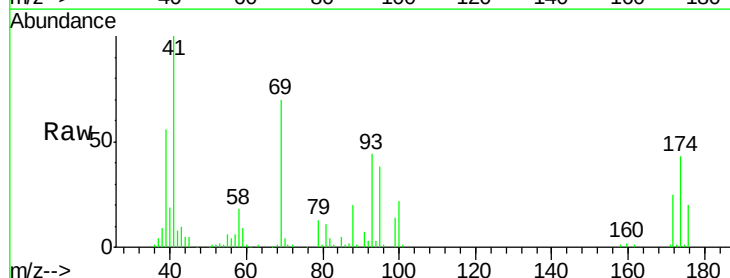
RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

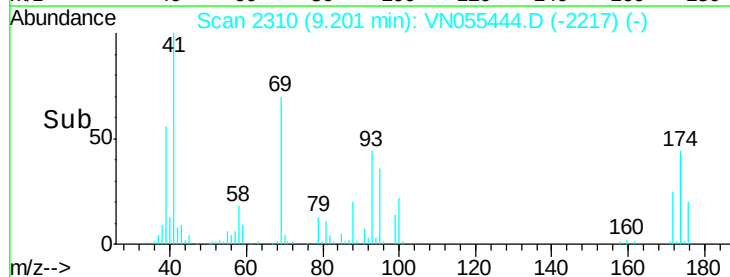
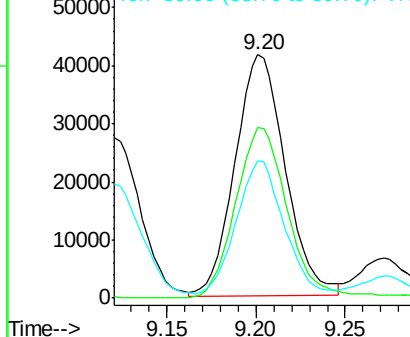
Lab File: VN055444.D

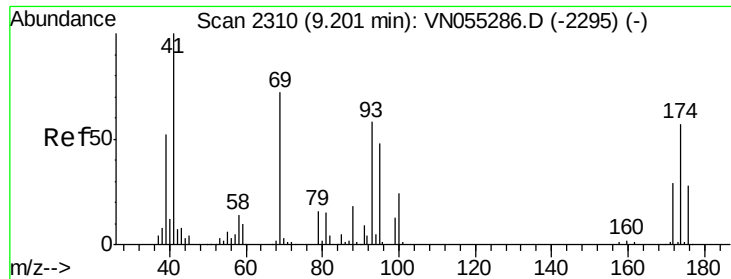
Acq: 7 May 2019 18:00

Tgt Ion:	41	Resp:	81663
Ion Ratio	Lower	Upper	
41	100		
69	73.3	58.6	87.8
39	54.2	43.8	65.6



Abundance Ion 41.00 (40.70 to 41.70): VN055444.D (-2217) (-)





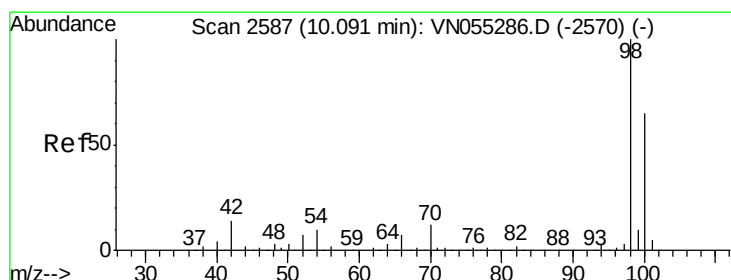
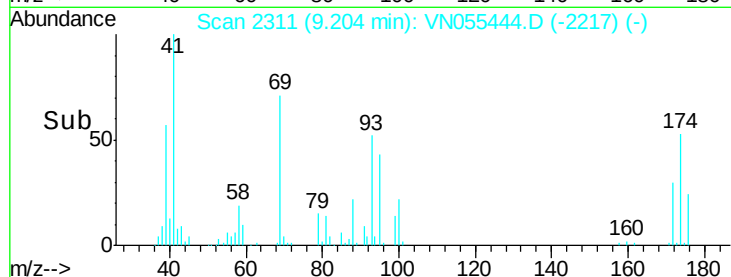
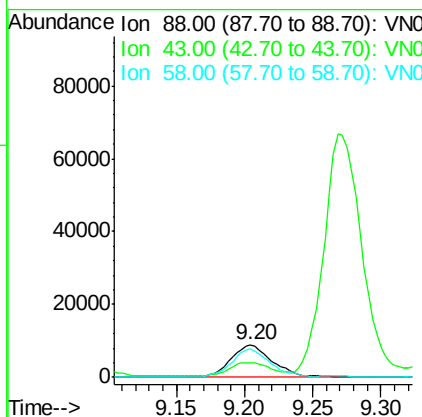
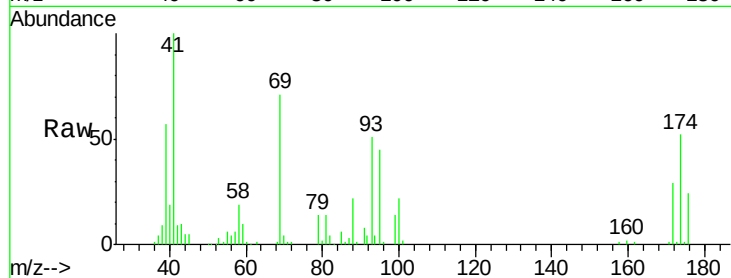
#49
1,4-Dioxane
Concen: 588.950 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN055444.D
Acq: 7 May 2019 18:00

Instrument :
MSVOA_N
ClientSampleId :
VN0507WBSD01

Tot Ion	88	Resp	18747
Ion Ratio	Lower	Upper	
88	100		
43	42.2	33.3	49.9
58	82.1	62.7	94.1

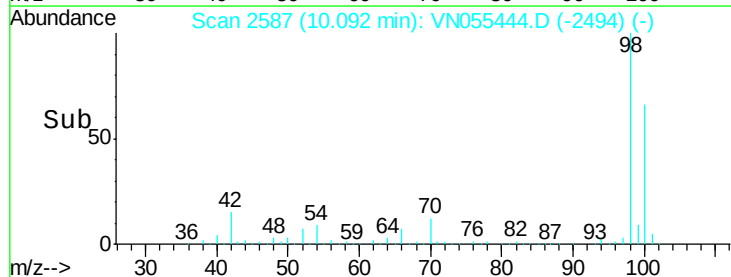
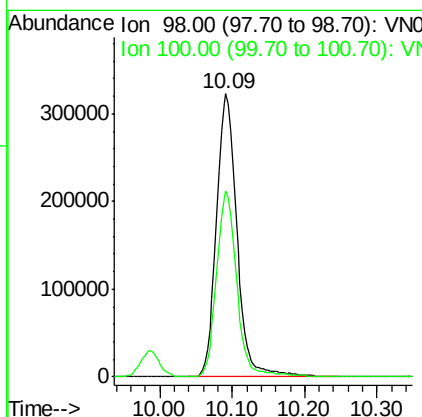
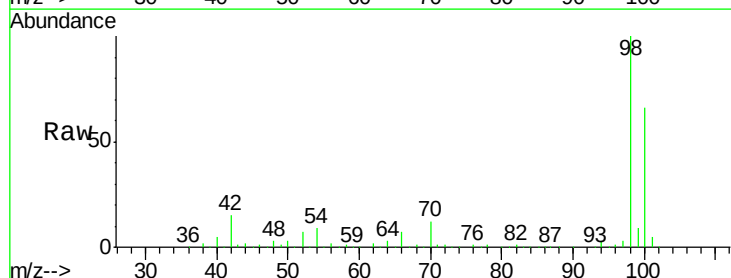
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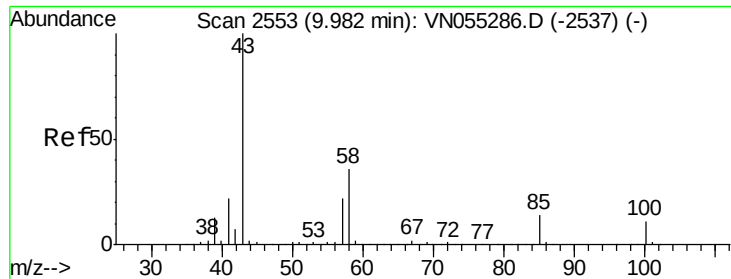
MMDadoda
5/8/2019 10:22:34 AM



#50
Toluene-d8
Concen: 50.444 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN055444.D
Acq: 7 May 2019 18:00

Tgt Ion	98	Resp	634757
Ion Ratio	Lower	Upper	
98	100		
100	64.9	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 142.310 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055444.D

Acq: 7 May 2019 18:00

Instrument :

MSVOA_N

ClientSampleId :

VN0507WBSD01

Tot Ion: 43 Resp: 501866

Ion Ratio Lower Upper

43 100

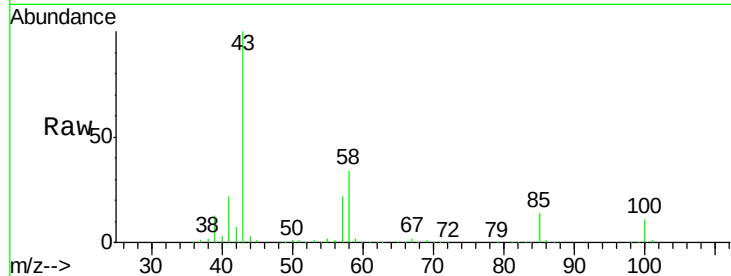
58 35.0 28.5 42.7

Manual Integrations

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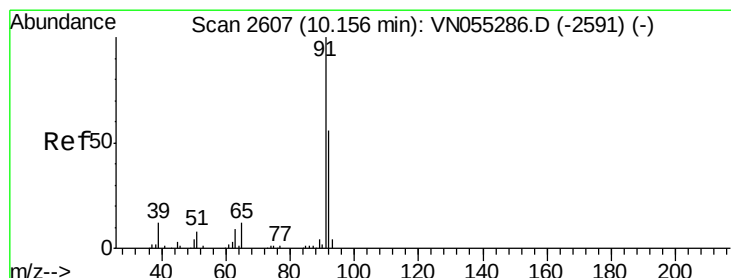
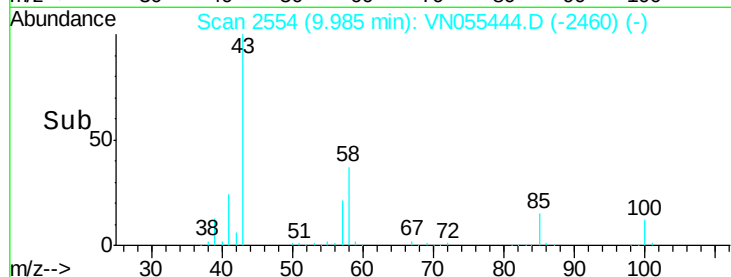
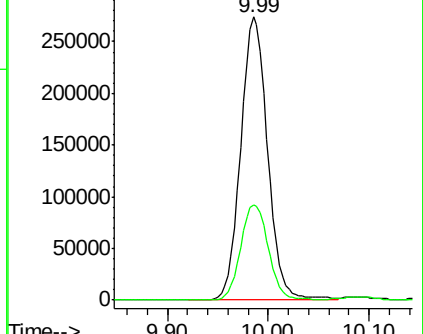
MMDadoda

5/8/2019 10:22:34 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 21.151 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055444.D

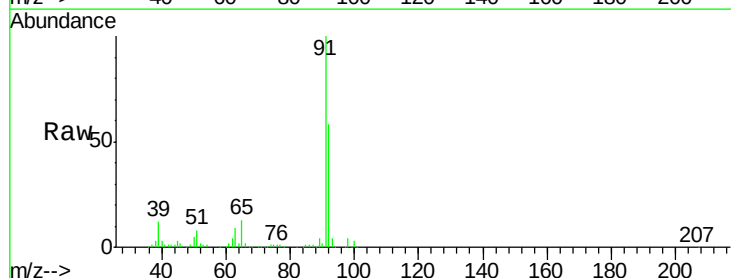
Acq: 7 May 2019 18:00

Tgt Ion: 92 Resp: 181935

Ion Ratio Lower Upper

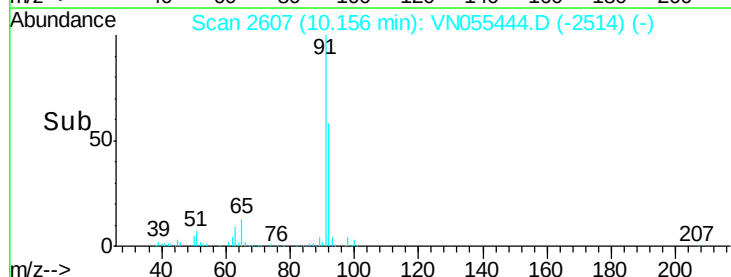
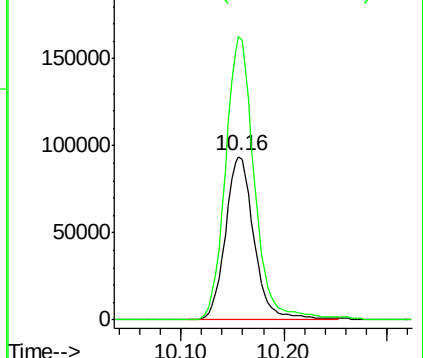
92 100

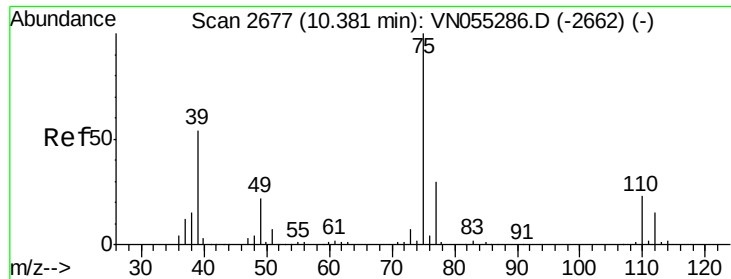
91 175.9 140.1 210.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





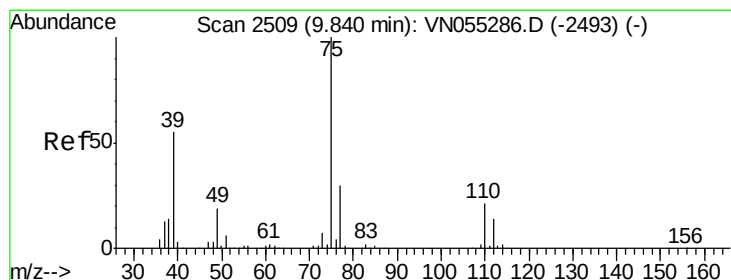
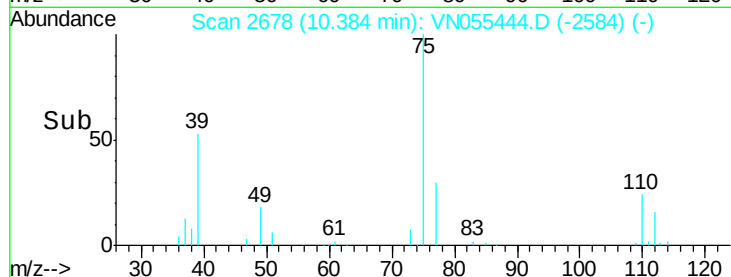
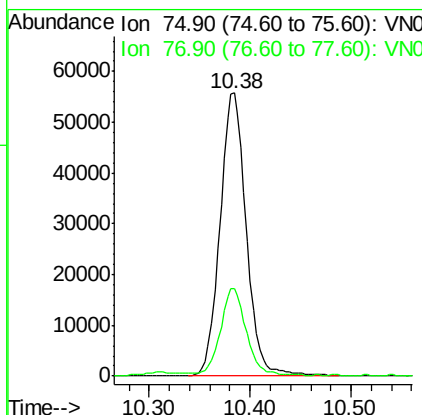
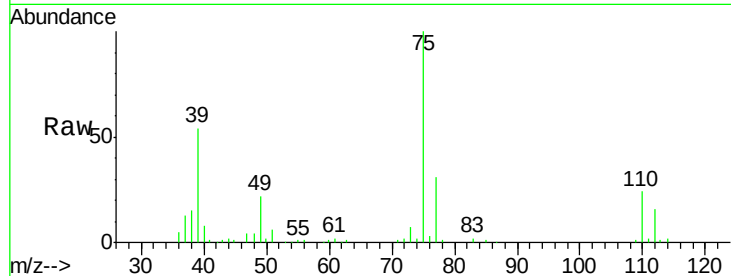
#53
 t-1,3-Dichloropropene
 Concen: 23.044 ug/l
 RT: 10.38 min Scan# 2678
 Delta R.T. 0.00 min
 Lab File: VN055444.D
 Acq: 7 May 2019 18:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0507WBSD01

Tot Ion: 75 Resp: 101428
 Ion Ratio Lower Upper
 75 100
 77 30.5 24.4 36.6

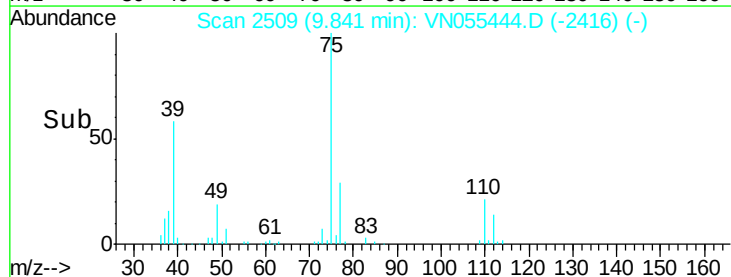
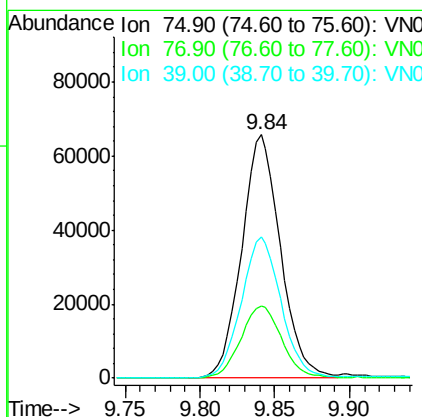
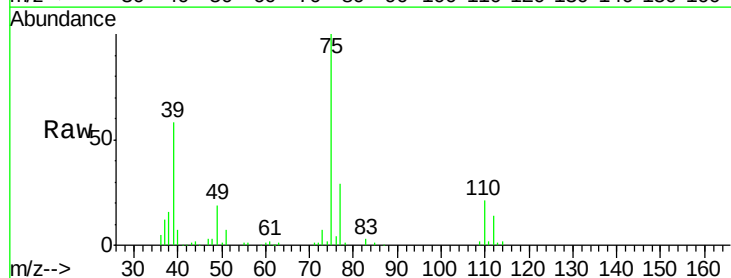
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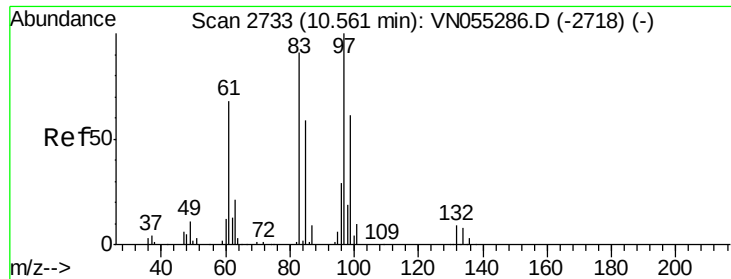
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#54
 cis-1,3-Dichloropropene
 Concen: 21.654 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN055444.D
 Acq: 7 May 2019 18:00

Tgt Ion: 75 Resp: 118836
 Ion Ratio Lower Upper
 75 100
 77 29.4 24.2 36.2
 39 57.5 44.2 66.2





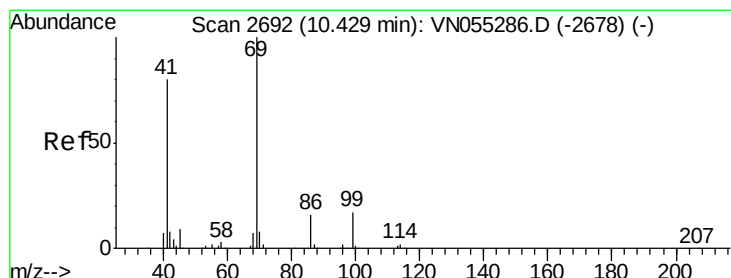
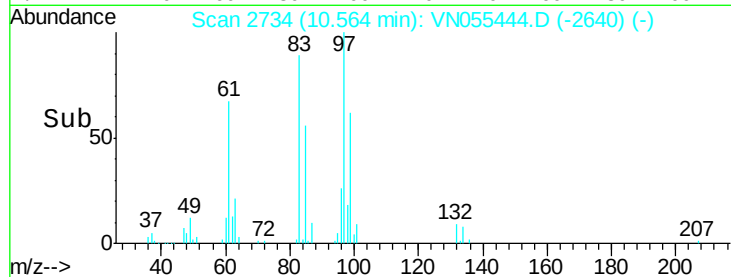
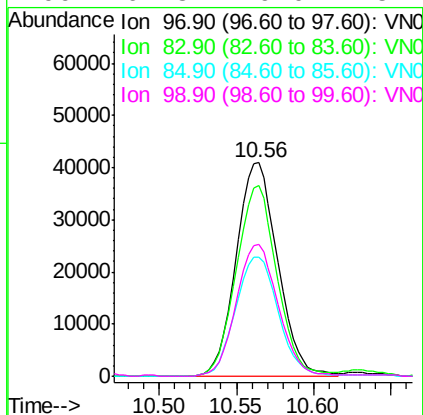
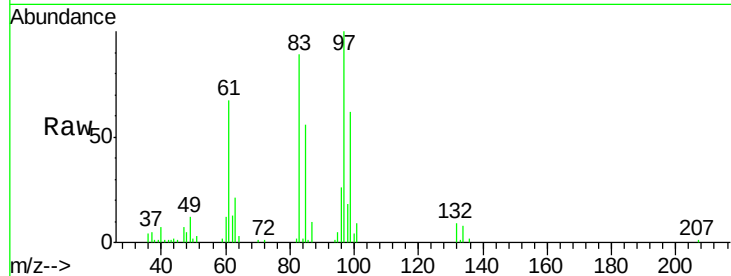
#55
 1,1,2-Trichloroethane
 Concen: 23.933 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN055444.D
 Acq: 7 May 2019 18:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0507WBSD01

Tot Ion:	97	Resp:	76446
Ion	Ratio	Lower	Upper
97	100		
83	89.3	72.8	109.2
85	56.0	47.0	70.6
99	61.8	49.0	73.4

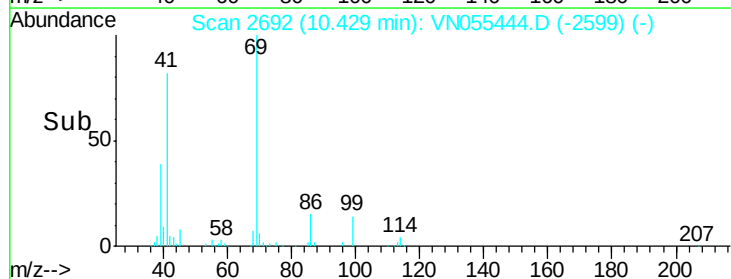
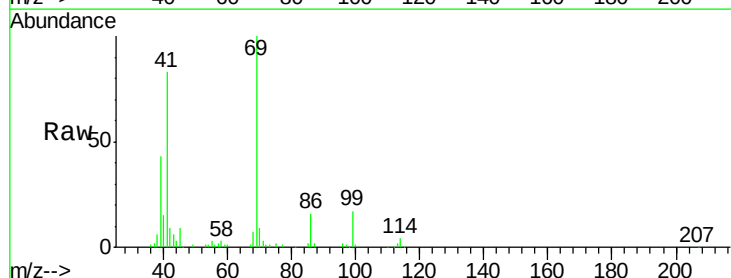
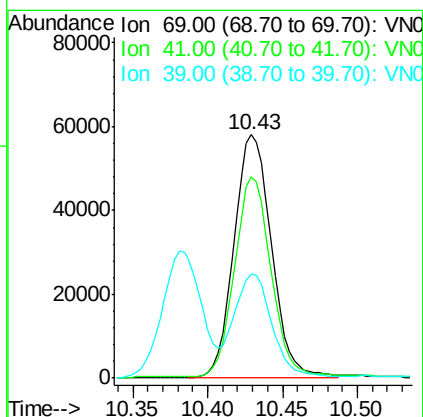
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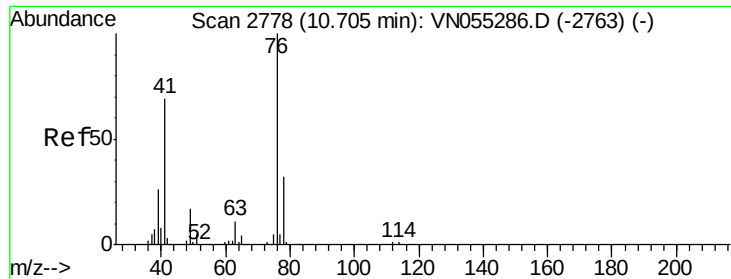
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#56
 Ethyl methacrylate
 Concen: 25.942 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN055444.D
 Acq: 7 May 2019 18:00

Tgt Ion:	69	Resp:	101992
Ion	Ratio	Lower	Upper
69	100		
41	79.8	62.7	94.1
39	42.4	32.0	48.0





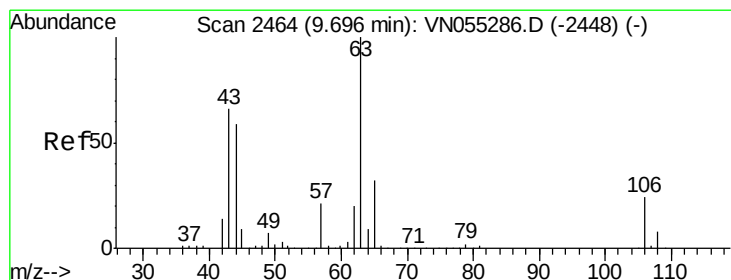
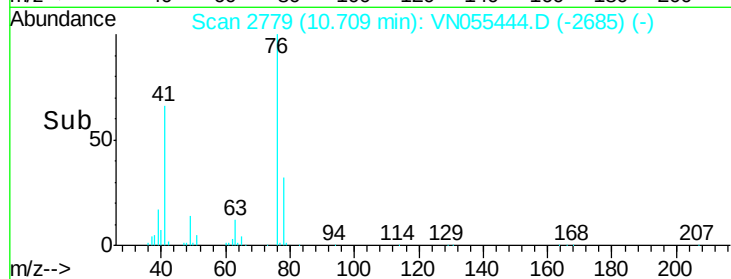
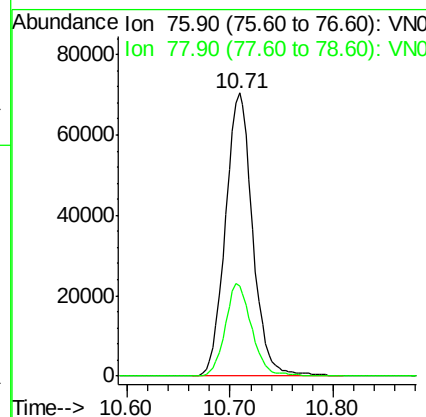
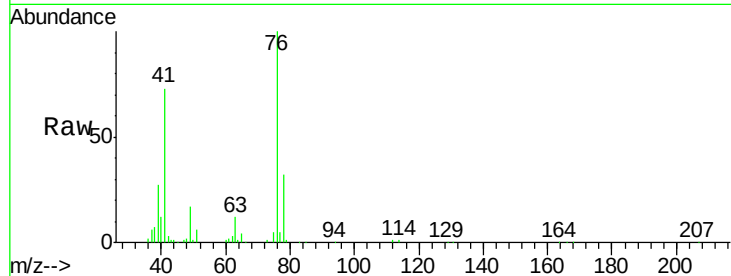
#57
 1,3-Dichloropropane
 Concen: 23.045 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN055444.D
 Acq: 7 May 2019 18:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0507WBSD01

Tot Ion: 76 Resp: 129134
 Ion Ratio Lower Upper
 76 100
 78 31.8 25.6 38.4

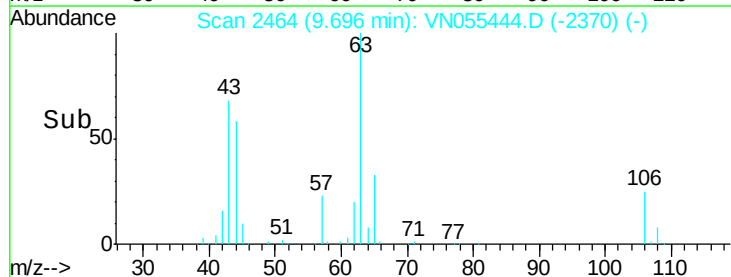
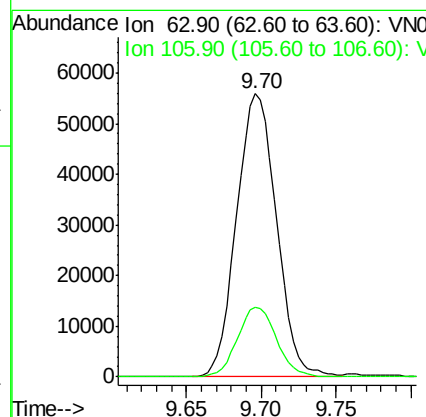
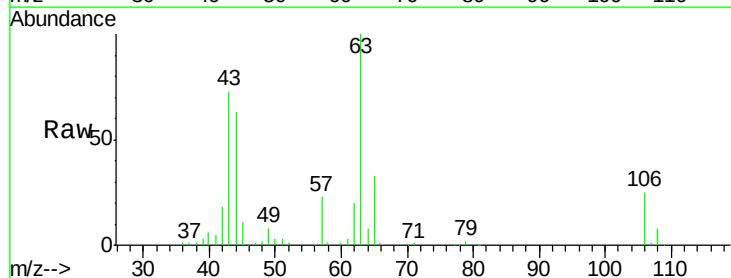
Manual Integrations
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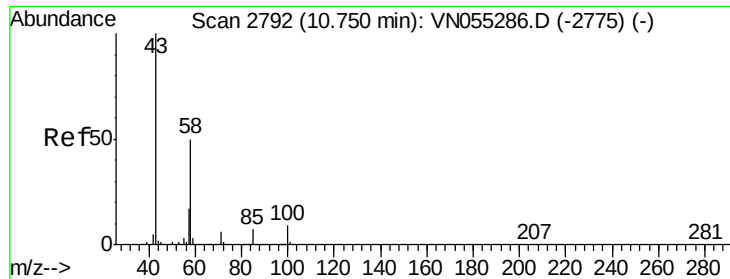
MMDadoda
 5/8/2019 10:22:34 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 93.458 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN055444.D
 Acq: 7 May 2019 18:00

Tgt Ion: 63 Resp: 104061
 Ion Ratio Lower Upper
 63 100
 106 24.1 19.0 28.4





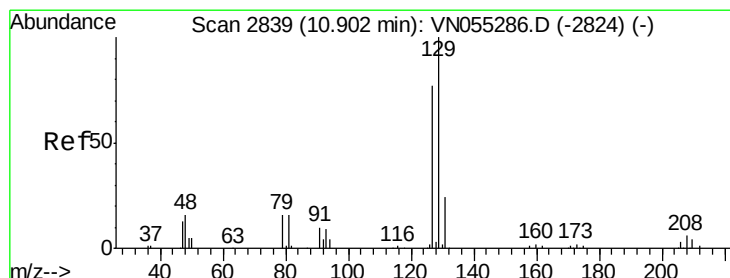
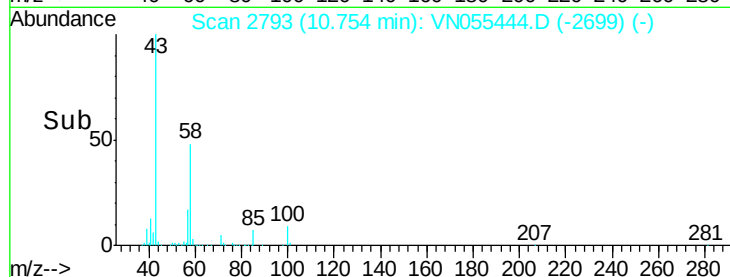
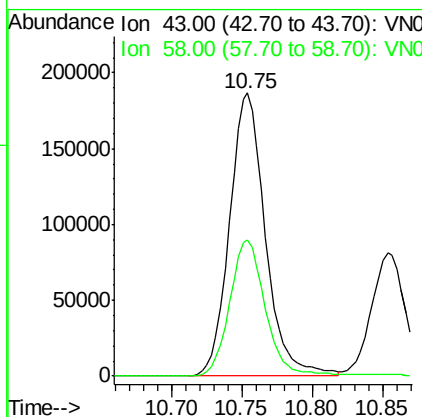
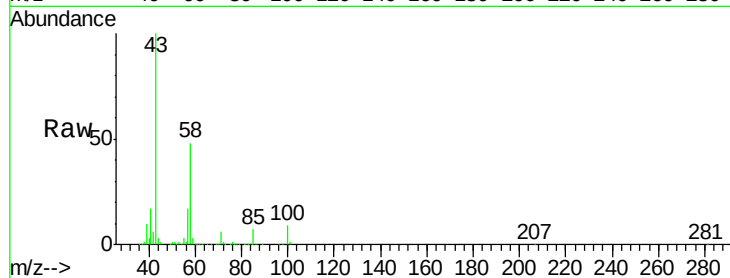
#59
2-Hexanone
Concen: 149.152 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN055444.D
Acq: 7 May 2019 18:00

Instrument :
MSVOA_N
ClientSampleId :
VN0507WBSD01

Tot Ion: 43 Resp: 329106
Ion Ratio Lower Upper
43 100
58 48.5 24.9 74.6

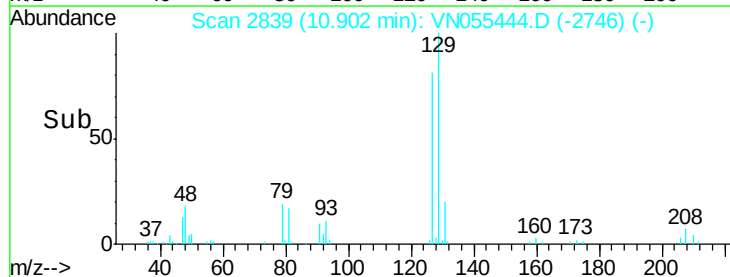
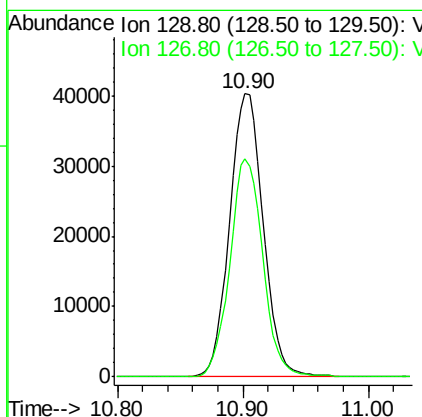
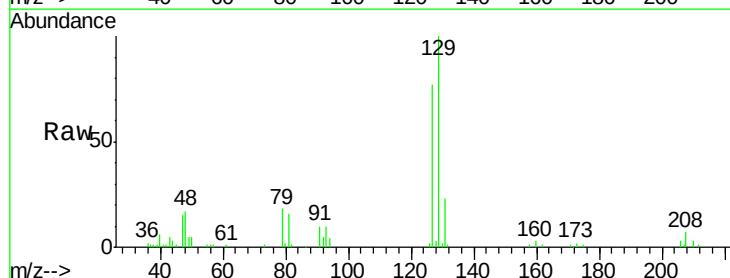
Manual Integrations
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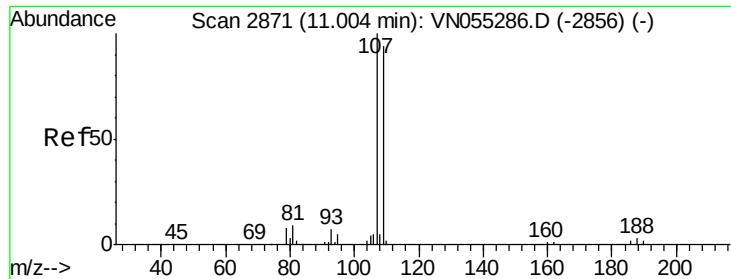
MMDadoda
5/8/2019 10:22:34 AM



#60
Dibromochloromethane
Concen: 22.961 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055444.D
Acq: 7 May 2019 18:00

Tgt Ion: 129 Resp: 74960
Ion Ratio Lower Upper
129 100
127 75.5 38.1 114.5





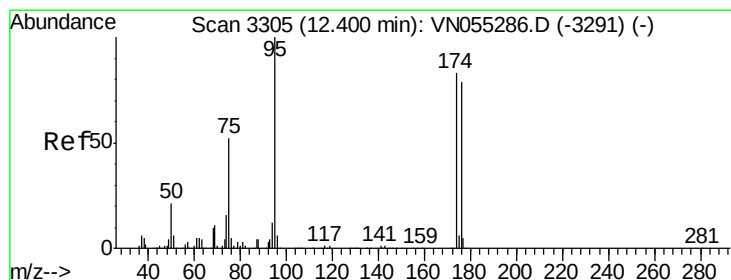
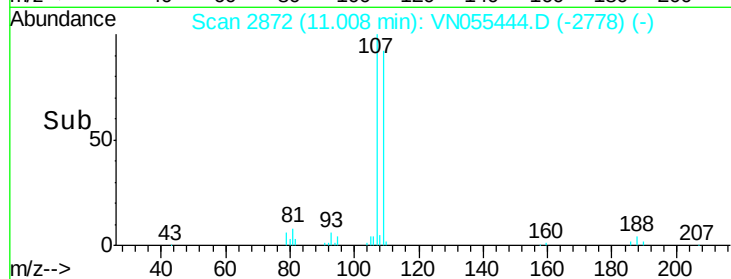
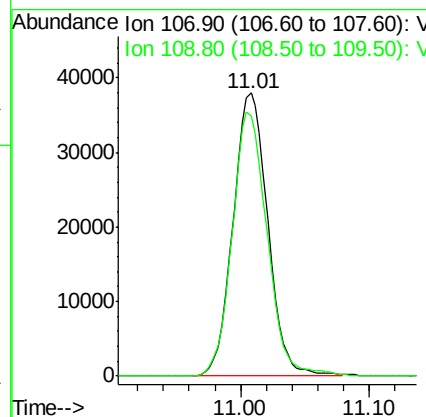
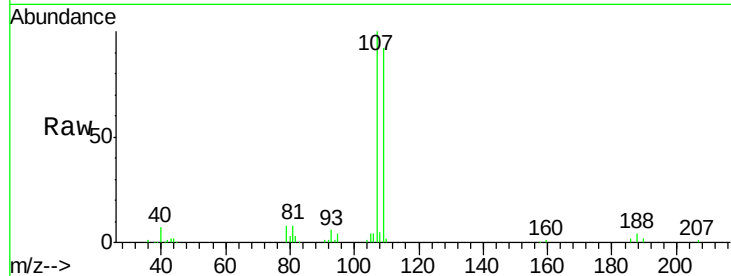
#61
 1,2-Dibromoethane
 Concen: 24.044 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN055444.D
 Acq: 7 May 2019 18:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0507WBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.3	75.0	112.6

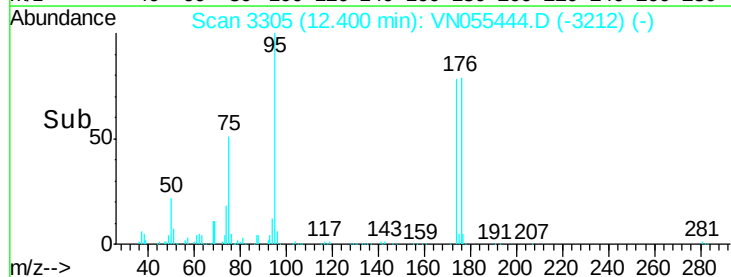
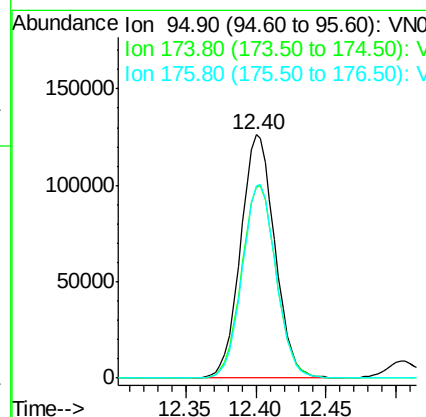
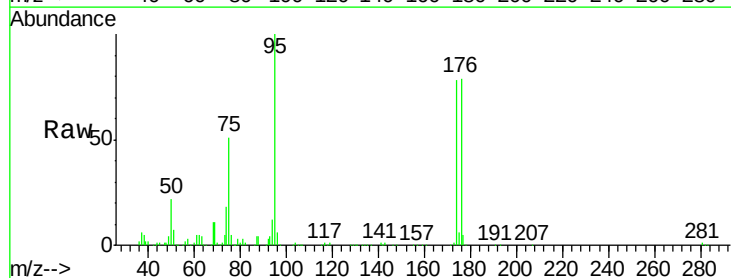
Manual Integrations
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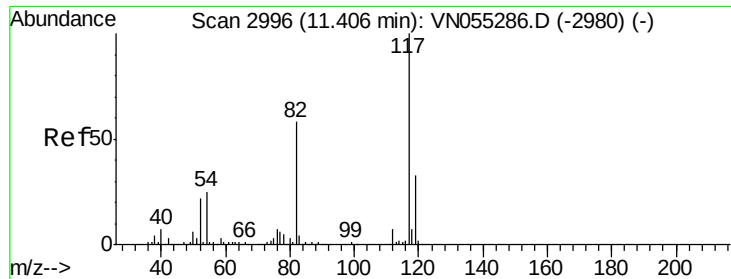
MMDadoda
 5/8/2019 10:22:34 AM



#62
 4-Bromofluorobenzene
 Concen: 54.590 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN055444.D
 Acq: 7 May 2019 18:00

Tgt Ion	Ratio	Lower	Upper
95	100		
174	80.1	0.0	166.6
176	78.9	0.0	157.8





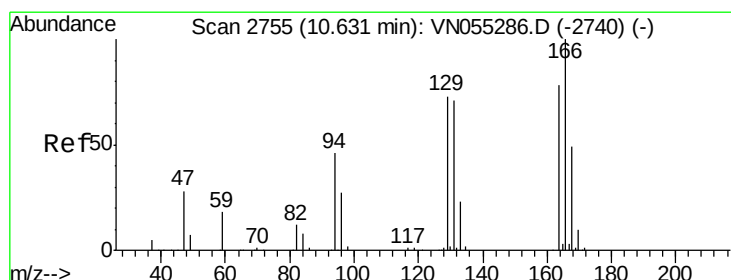
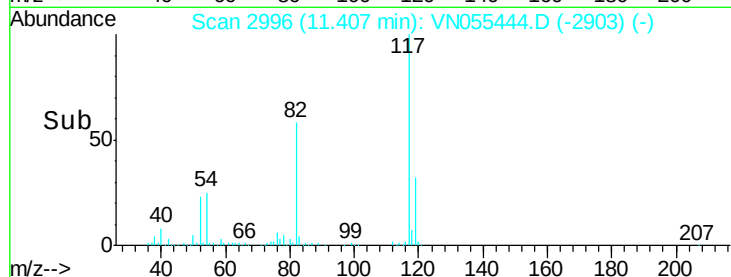
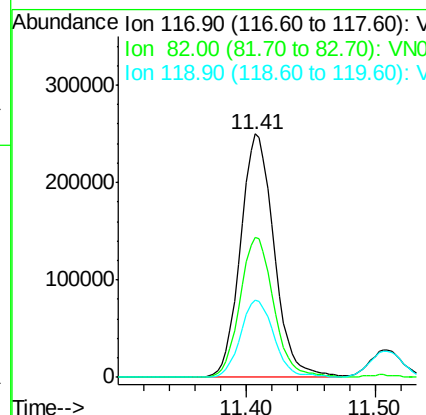
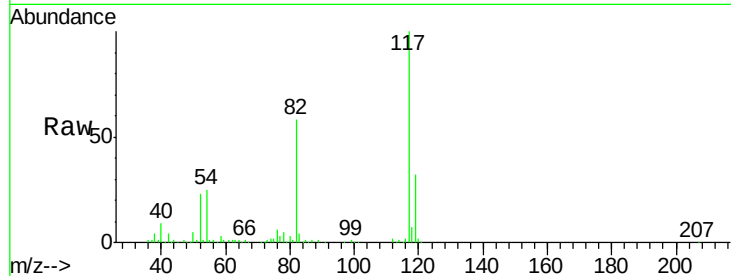
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055444.D
Acq: 7 May 2019 18:00

Instrument :
MSVOA_N
ClientSampleId :
VN0507WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.6	46.2	69.4
119	32.0	26.6	40.0

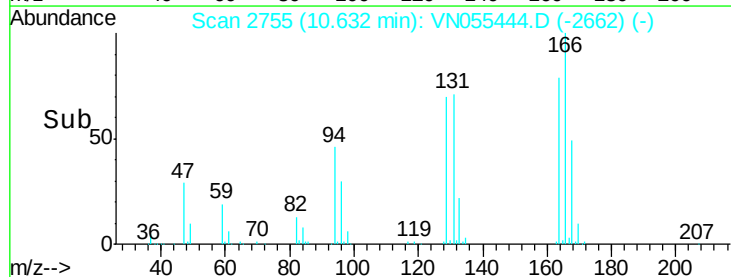
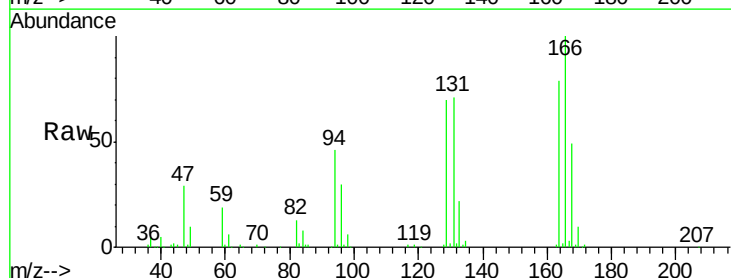
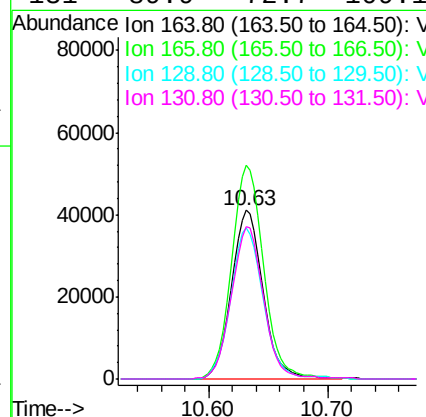
Manual Integrations
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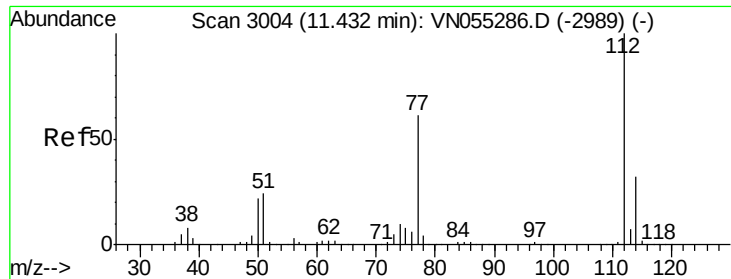
MMDadoda
5/8/2019 10:22:34 AM



#64
Tetrachloroethene
Concen: 20.325 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055444.D
Acq: 7 May 2019 18:00

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.5	102.3	153.5
129	89.2	75.0	112.6
131	89.9	72.7	109.1





#65

Chlorobenzene

Concen: 20.579 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN055444.D

Acq: 7 May 2019 18:00

Instrument :

MSVOA_N

ClientSampleId :

VN0507WBSD01

Tot Ion:112 Resp: 182686

Ion Ratio Lower Upper

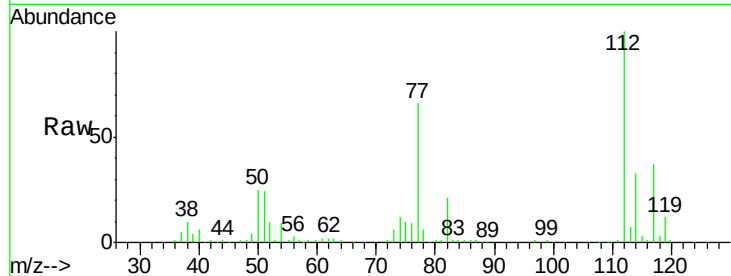
112 100

114 33.1 25.3 37.9

Manual Integrations
APPROVED

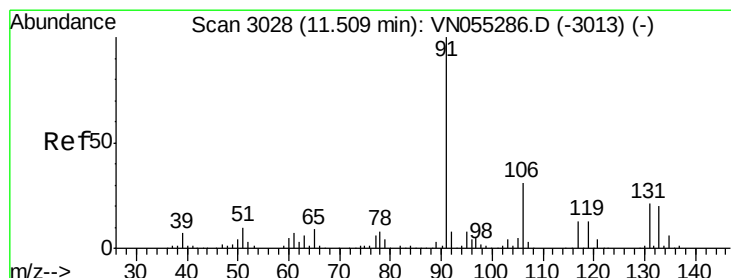
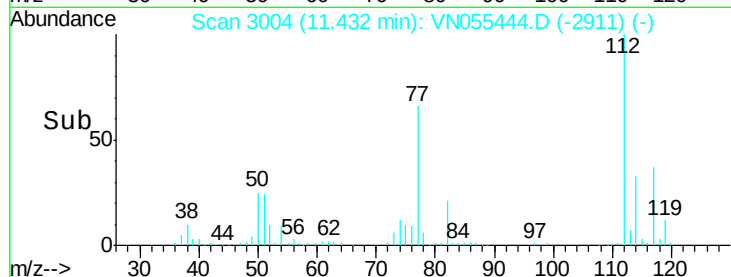
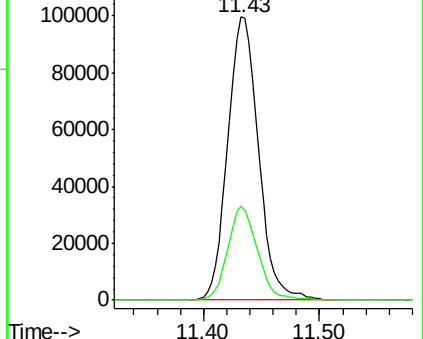
MMDadoda

5/8/2019 10:22:34 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 21.030 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN055444.D

Acq: 7 May 2019 18:00

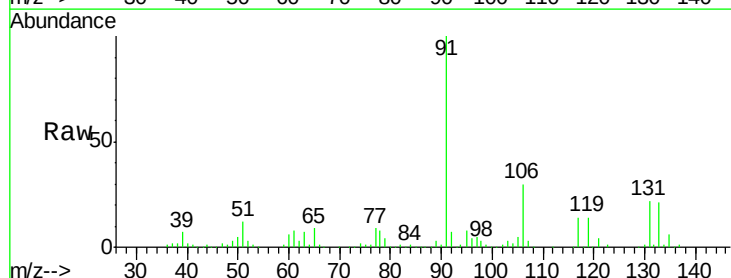
Tgt Ion:131 Resp: 73102

Ion Ratio Lower Upper

131 100

133 96.0 47.5 142.6

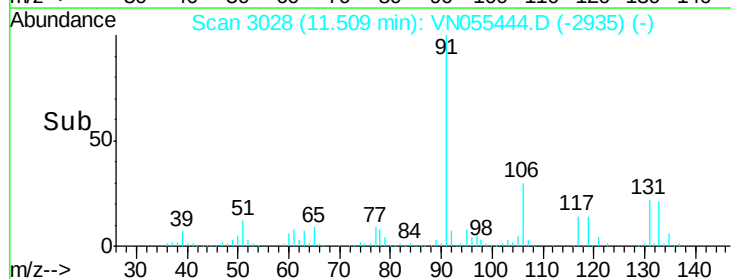
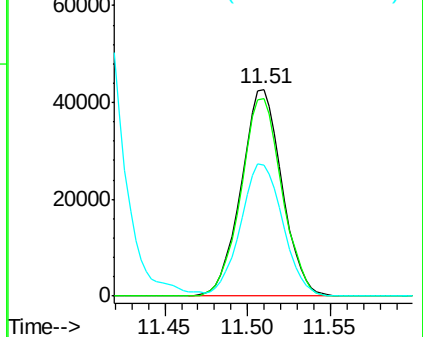
119 66.2 32.7 98.1

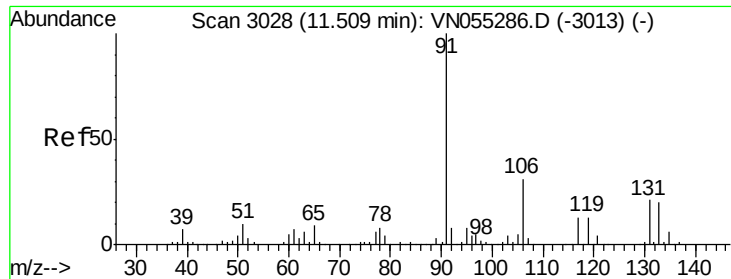


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





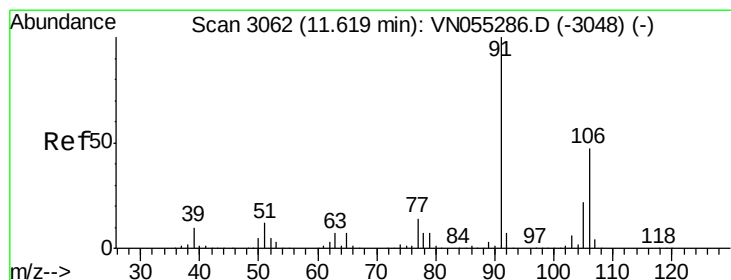
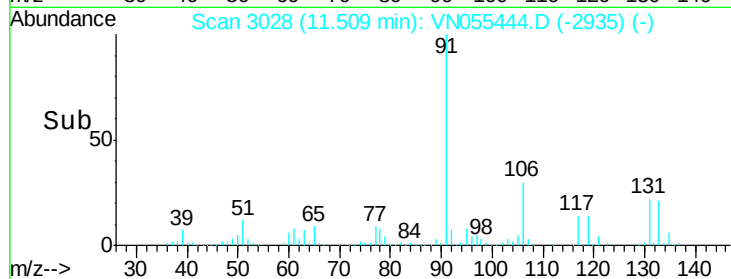
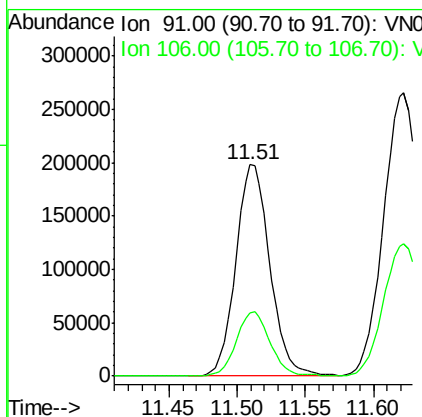
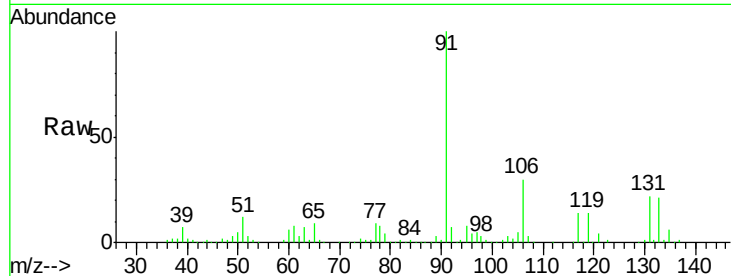
#67
Ethyl Benzene
Concen: 21.460 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055444.D
Acq: 7 May 2019 18:00

Instrument :
MSVOA_N
ClientSampled :
VN0507WBSD01

Tot Ion: 91 Resp: 344020
Ion Ratio Lower Upper
91 100
106 30.1 24.6 36.8

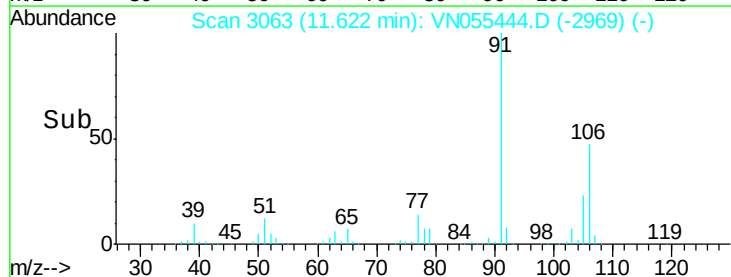
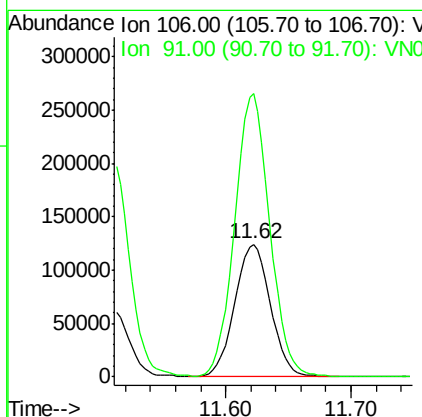
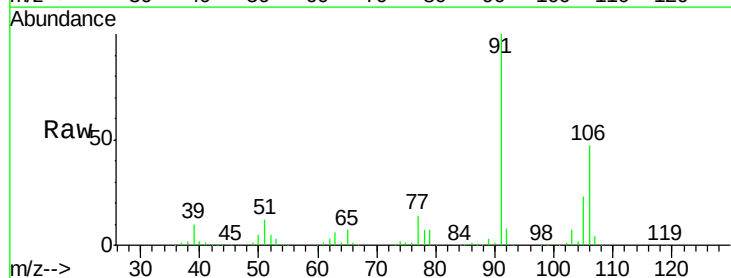
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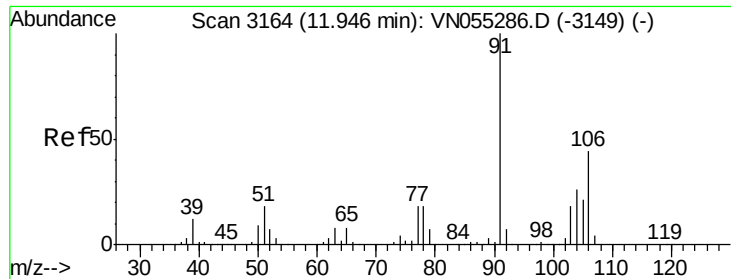
MMDadoda
5/8/2019 10:22:34 AM



#68
m/p-Xylenes
Concen: 42.937 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN055444.D
Acq: 7 May 2019 18:00

Tgt Ion: 106 Resp: 245687
Ion Ratio Lower Upper
106 100
91 209.2 169.5 254.3





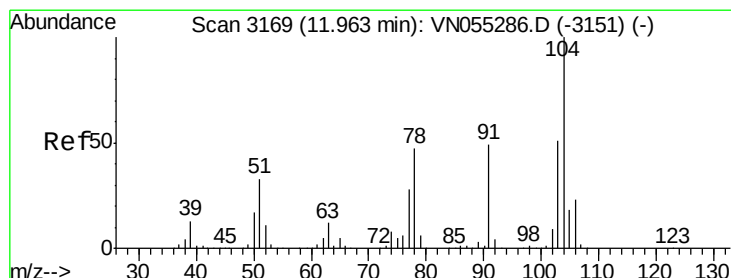
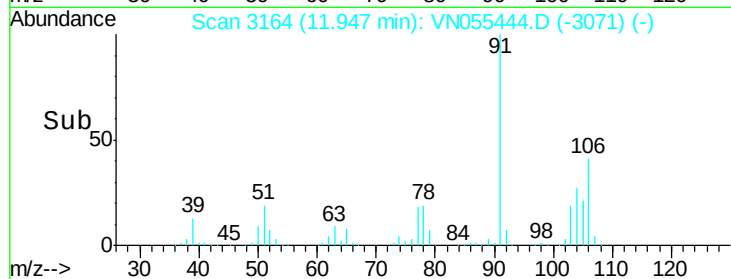
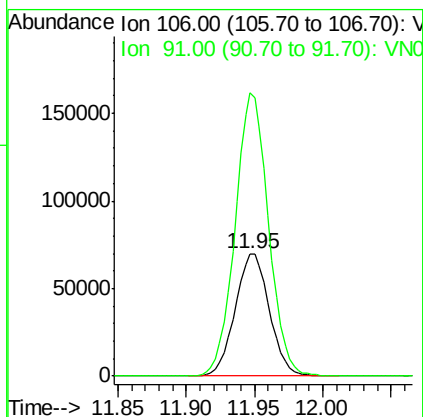
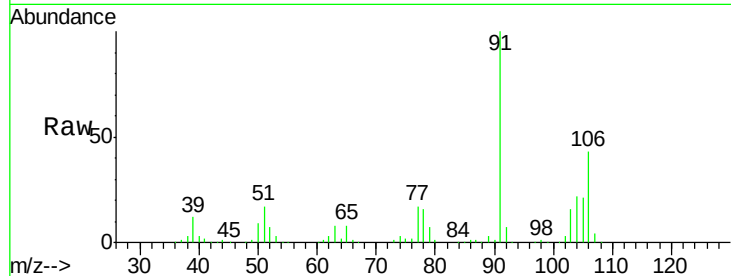
#69
o-Xylene
Concen: 21.484 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055444.D
Acq: 7 May 2019 18:00

Instrument :
MSVOA_N
ClientSampled :
VN0507WBSD01

Tot Ion:106 Resp: 121845
Ion Ratio Lower Upper
106 100
91 224.7 111.5 334.5

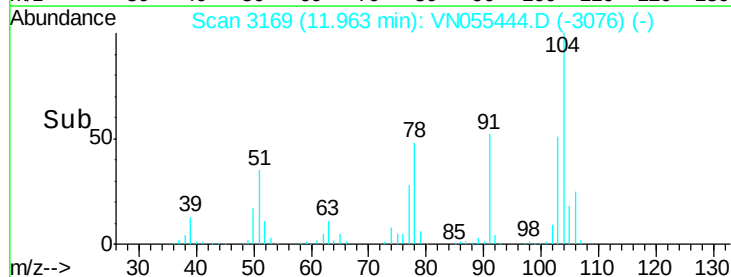
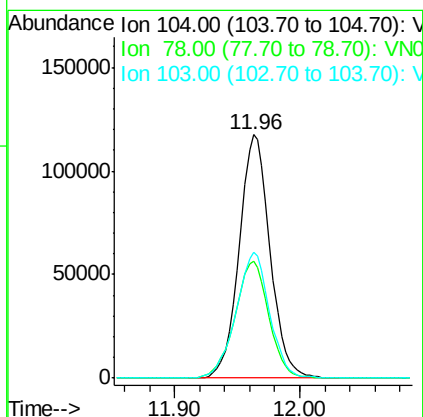
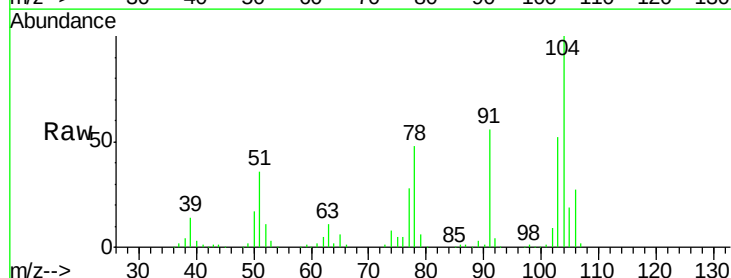
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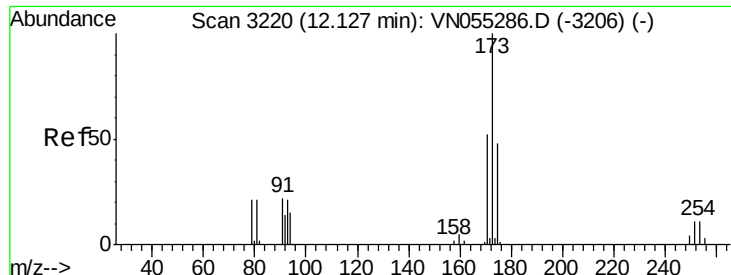
MMDadoda
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#70
Styrene
Concen: 23.036 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055444.D
Acq: 7 May 2019 18:00

Tgt Ion:104 Resp: 200598
Ion Ratio Lower Upper
104 100
78 53.0 42.2 63.2
103 56.1 44.6 67.0





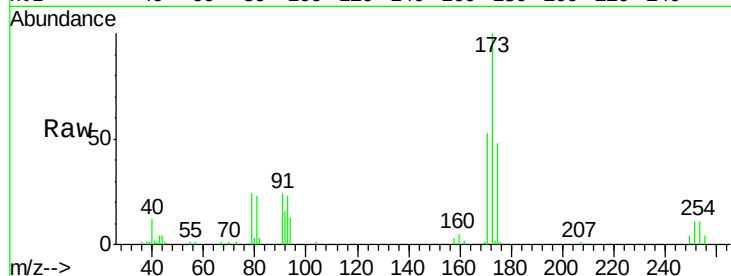
#71
Bromoform
Concen: 23.753 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN055444.D
Acq: 7 May 2019 18:00

Instrument :
MSVOA_N
ClientSampled :
VN0507WBSD01

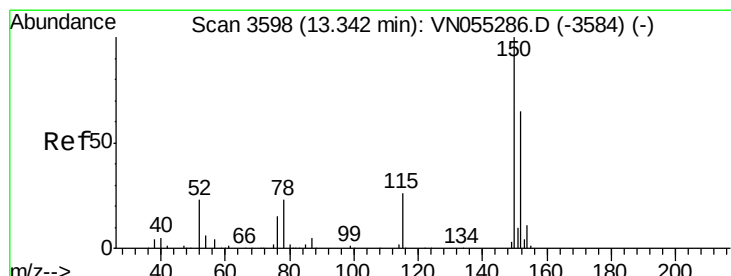
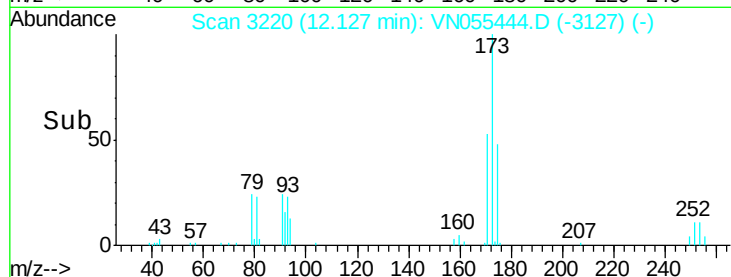
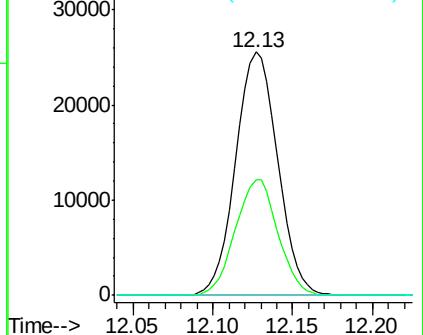
Tot Ion	Ratio	Lower	Upper
173	100		
175	47.9	23.6	71.0
254	0.0	0.0	0.0

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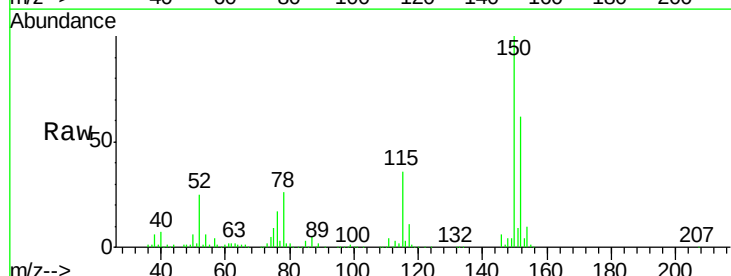


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

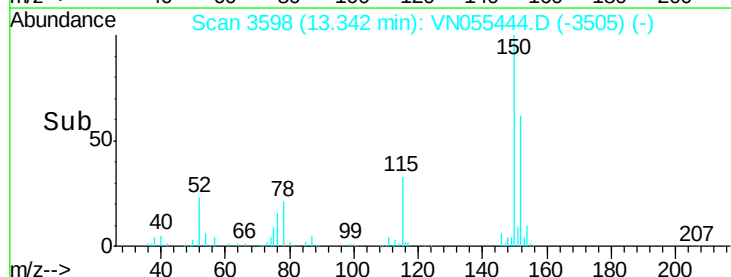
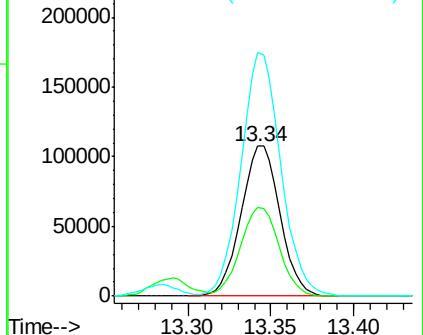


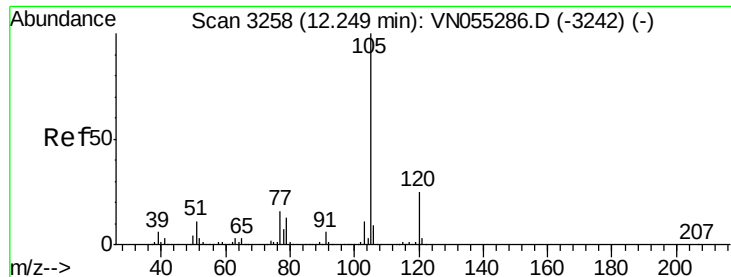
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN055444.D
Acq: 7 May 2019 18:00

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.1	29.0	87.0
150	166.6	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: 22.590 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055444.D

Acq: 7 May 2019 18:00

Instrument :

MSVOA_N

ClientSampleId :

VN0507WBSD01

Tot Ion:105 Resp: 339669

Ion Ratio Lower Upper

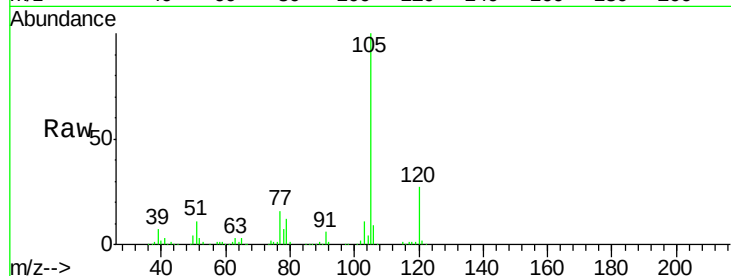
105 100

120 26.1 12.9 38.7

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

200000

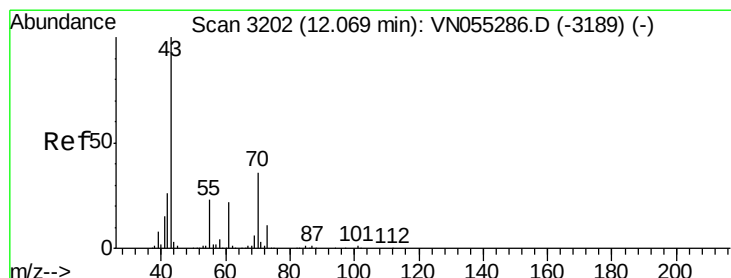
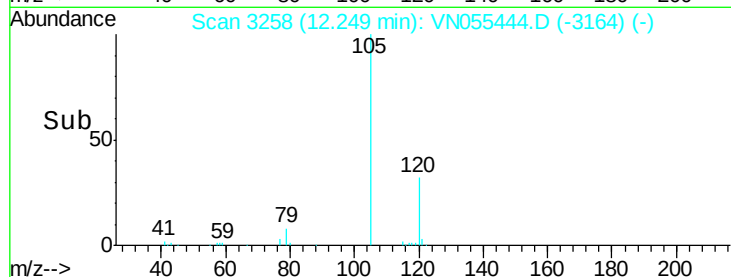
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 28.180 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055444.D

Acq: 7 May 2019 18:00

Tgt Ion: 43 Resp: 126926

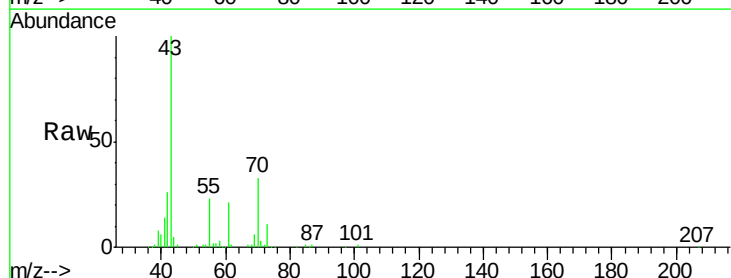
Ion Ratio Lower Upper

43 100

70 33.8 27.9 41.9

55 22.4 18.2 27.2

61 20.4 16.9 25.3



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

120000

100000

80000

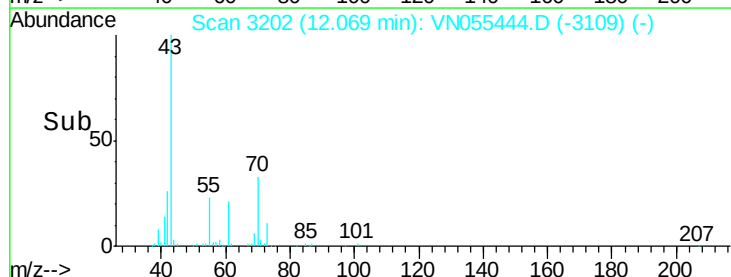
60000

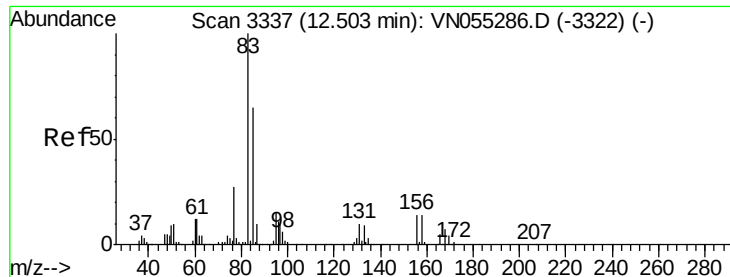
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 26.213 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055444.D

Acq: 7 May 2019 18:00

Instrument :

MSVOA_N

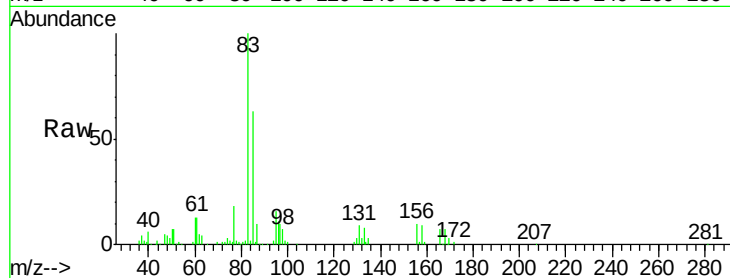
ClientSampled :

VN0507WBSD01

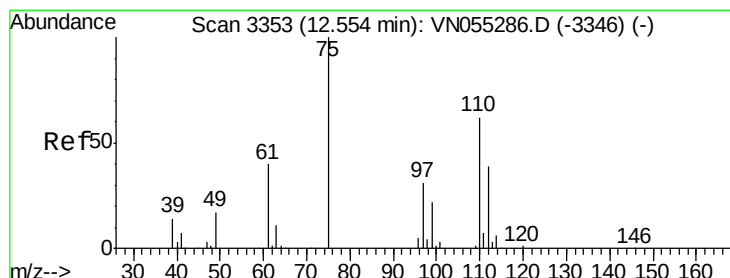
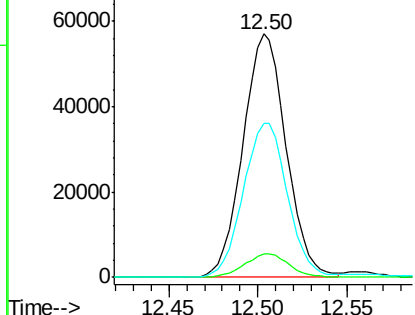
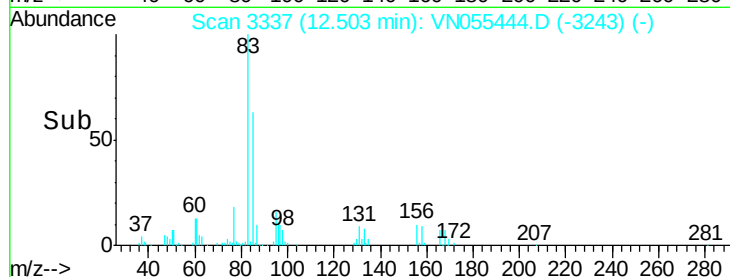
Tot Ion:	83	Resp:	96411
Ion Ratio	Lower	Upper	
83	100		
131	9.9	5.1	15.2
85	64.7	32.3	96.8

Manual Integrations
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5/8/2019 10:22:34 AM



Abundance Ion 82.90 (82.60 to 83.60): VN055444.D (-3243) (-)



#76

1,2,3-Trichloropropane

Concen: 25.266 ug/l m

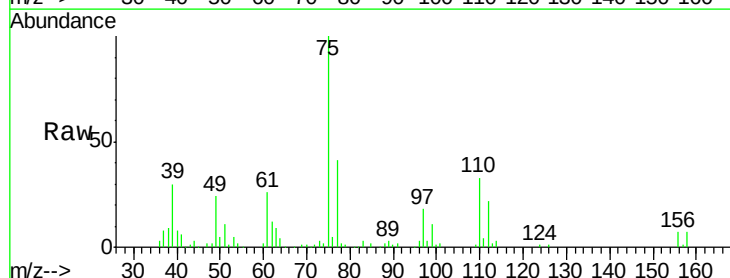
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

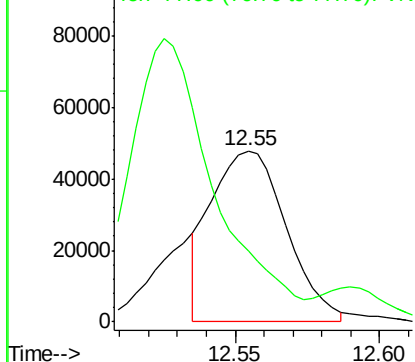
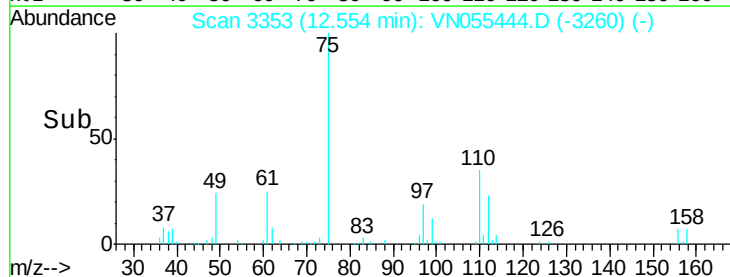
Lab File: VN055444.D

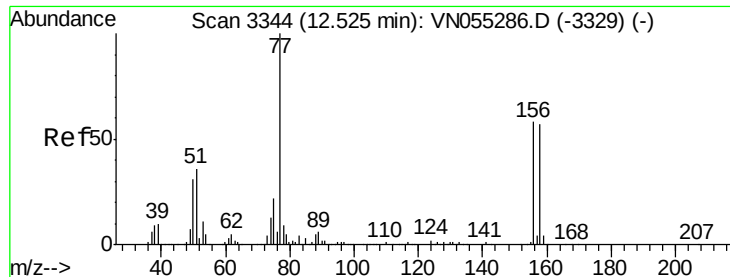
Acq: 7 May 2019 18:00

Tgt Ion:	75	Resp:	86483
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN055444.D (-3260) (-)





#77

Bromobenzene

Concen: 22.890 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055444.D

Acq: 7 May 2019 18:00

Instrument :

MSVOA_N

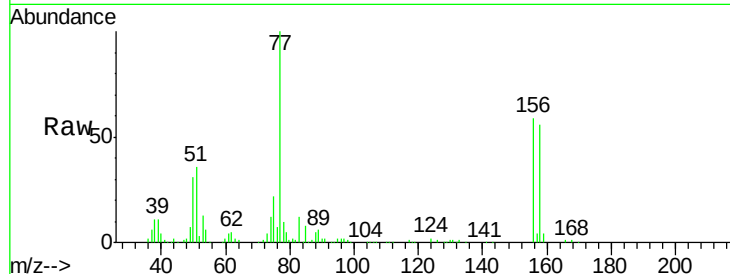
ClientSampled :

VN0507WBSD01

Tot Ion:	156	Resp:	80640
Ion Ratio	Lower	Upper	
156	100		
77	201.5	99.6	298.8
158	96.6	49.3	147.8

Manual Integrations
APPROVED

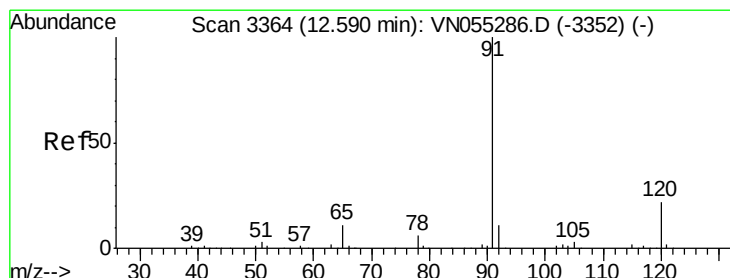
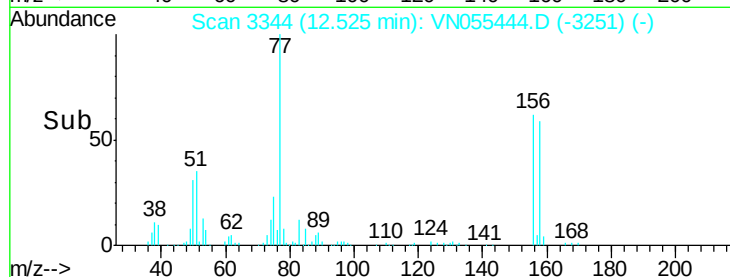
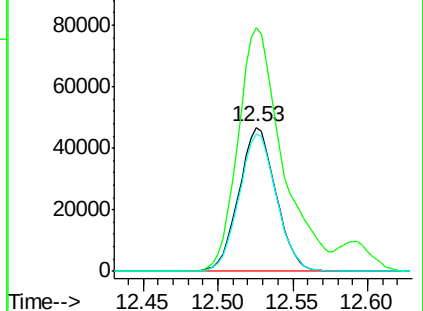
MMDadoda
5/8/2019 10:22:34 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.173 ug/l

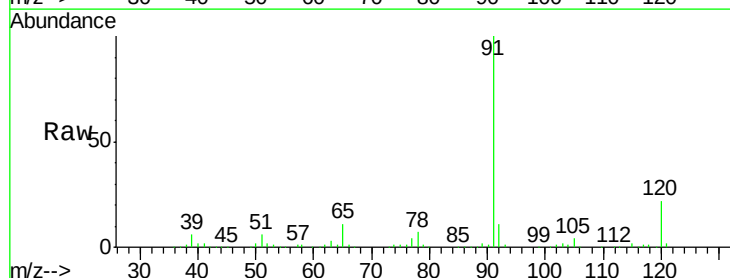
RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055444.D

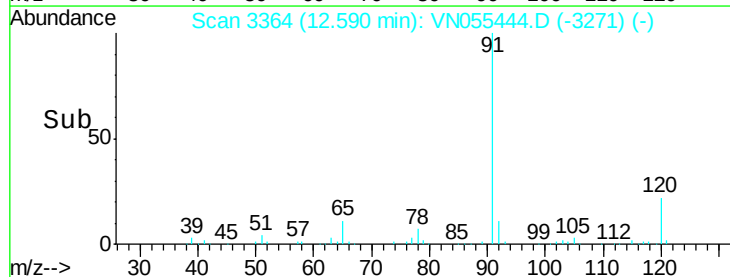
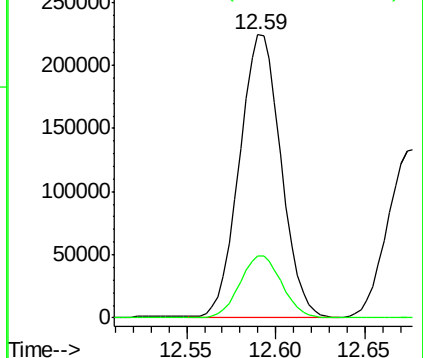
Acq: 7 May 2019 18:00

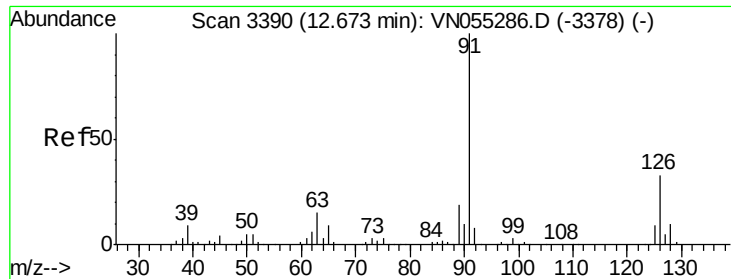
Tgt Ion:	91	Resp:	363676
Ion Ratio	Lower	Upper	
91	100		
120	22.1	11.0	33.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 22.649 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN055444.D

Acq: 7 May 2019 18:00

Instrument :

MSVOA_N

ClientSampled :

VN0507WBSD01

Tot Ion: 91 Resp: 229274

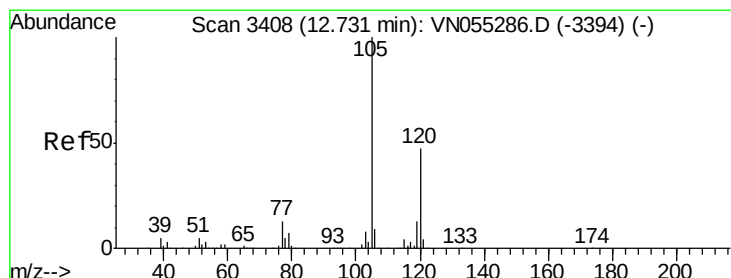
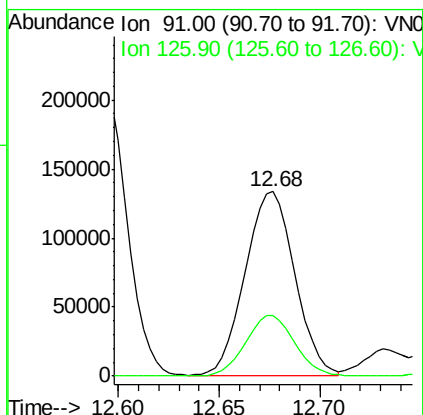
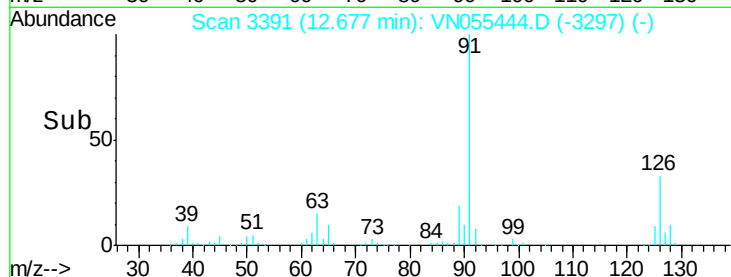
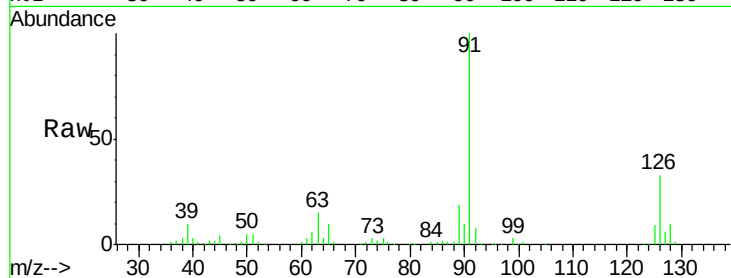
Ion Ratio Lower Upper

91 100

126 32.7 16.6 49.7

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#80

1,3,5-Trimethylbenzene

Concen: 20.898 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055444.D

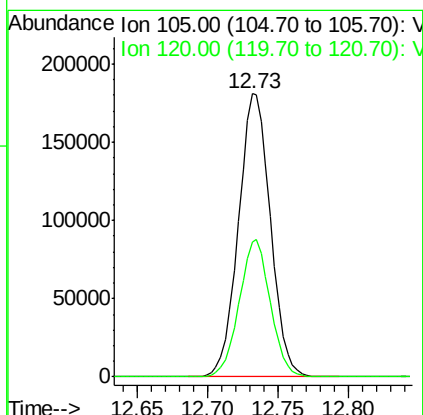
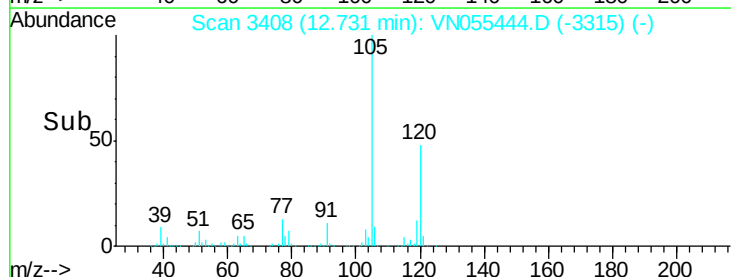
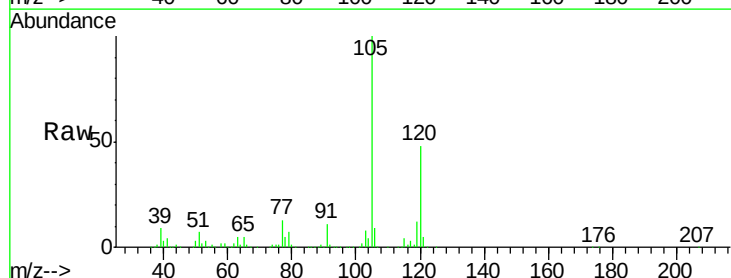
Acq: 7 May 2019 18:00

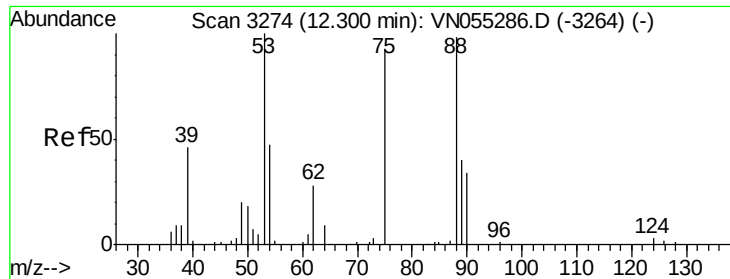
Tgt Ion: 105 Resp: 287538

Ion Ratio Lower Upper

105 100

120 47.1 23.4 70.0





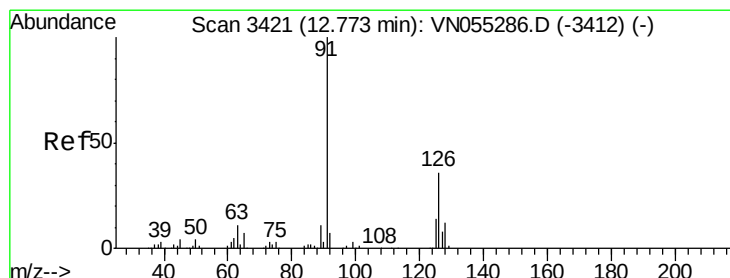
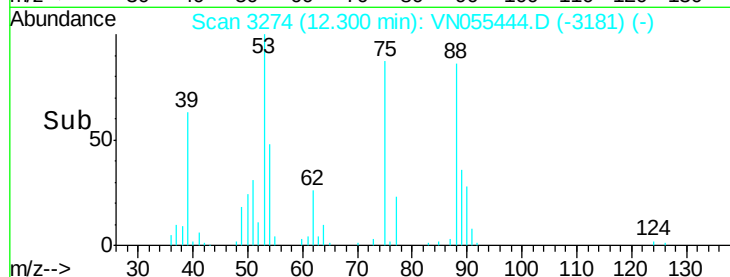
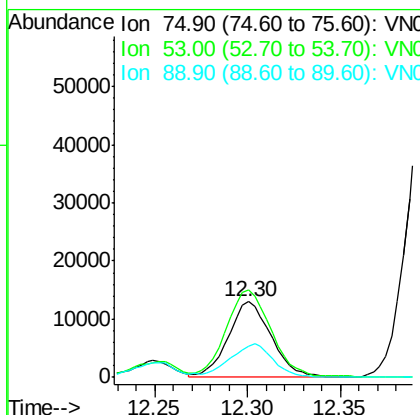
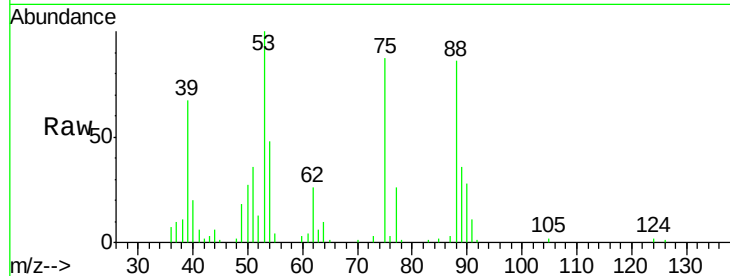
#81
trans-1,4-Dichloro-2-butene
Concen: 22.745 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN055444.D
Acq: 7 May 2019 18:00

Instrument :
MSVOA_N
ClientSampleId :
VN0507WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	117.2	86.3	129.5
89	43.9	34.6	51.8

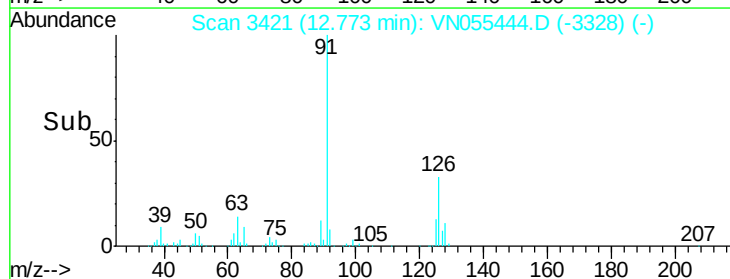
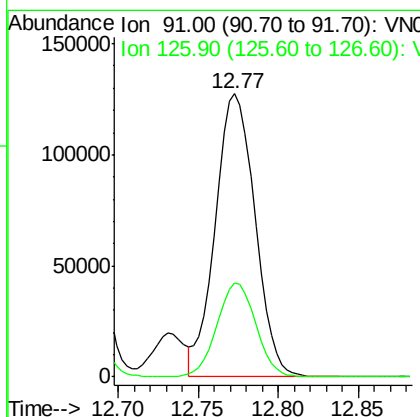
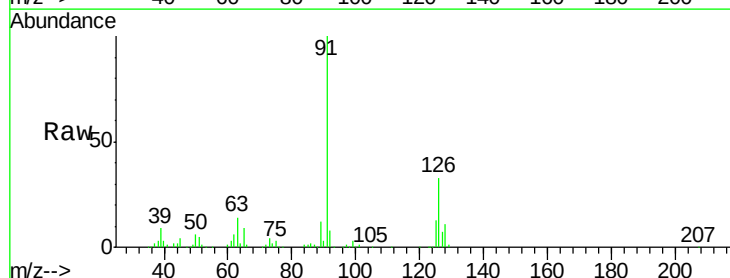
Manual Integrations
APPROVED

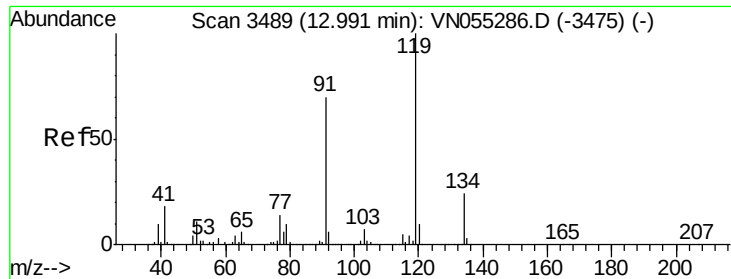
MMDadoda
5/8/2019 10:22:34 AM



#82
4-Chlorotoluene
Concen: 20.604 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN055444.D
Acq: 7 May 2019 18:00

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.4	16.6	49.7





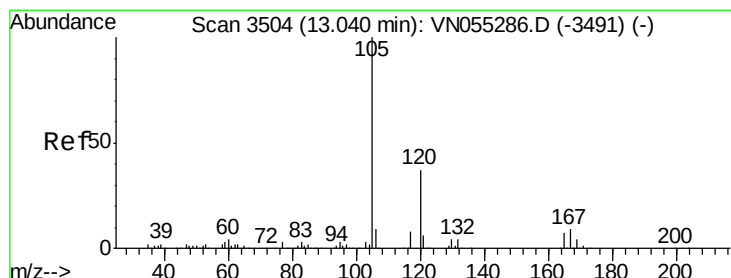
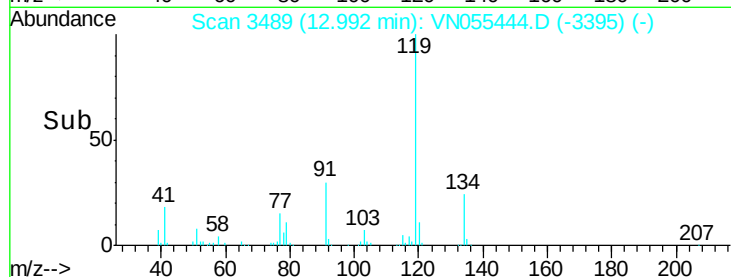
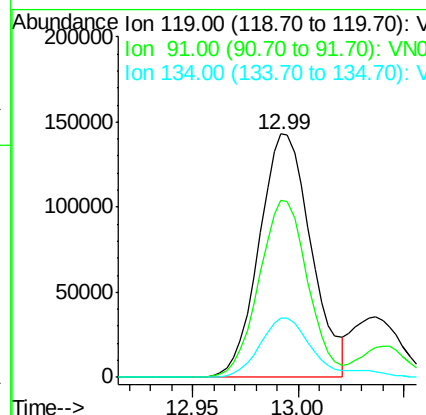
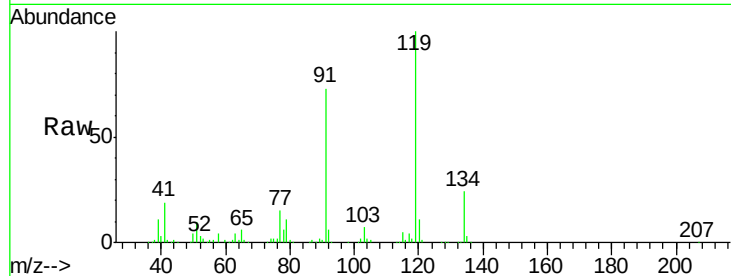
#83
tert-Butylbenzene
Concen: 23.679 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN055444.D
Acq: 7 May 2019 18:00

Instrument :
MSVOA_N
ClientSampled :
VN0507WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	245527		
91	68.2	34.3	102.9	
134	23.7	13.1	39.3	

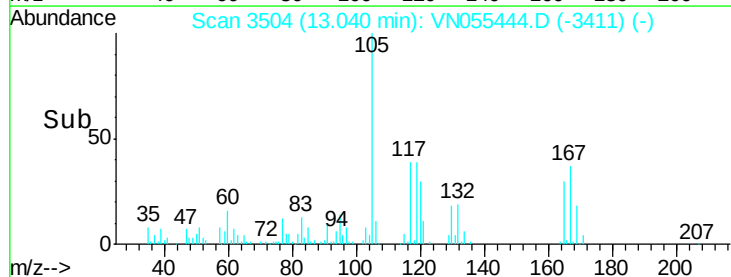
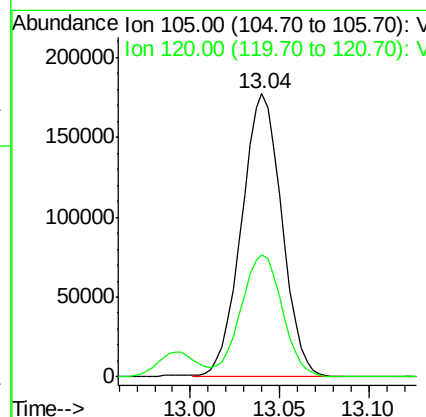
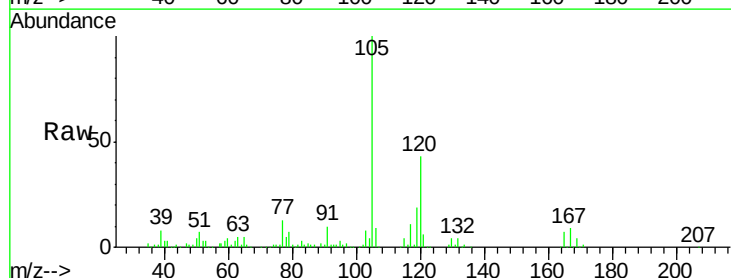
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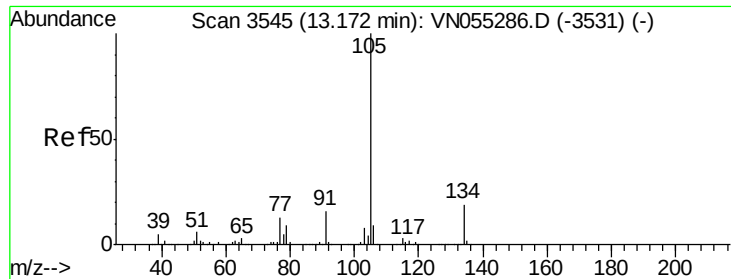
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#84
1,2,4-Trimethylbenzene
Concen: 22.583 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN055444.D
Acq: 7 May 2019 18:00

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	277885		
120	44.7	22.1	66.5	





#85

sec-Butylbenzene

Concen: 21.244 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055444.D

Acq: 7 May 2019 18:00

Instrument :

MSVOA_N

ClientSampled :

VN0507WBSD01

Tot Ion:105 Resp: 317692

Ion Ratio Lower Upper

105 100

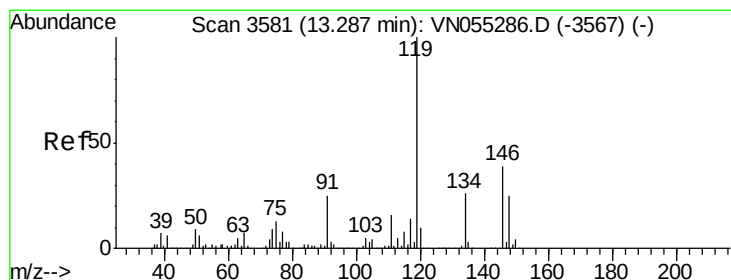
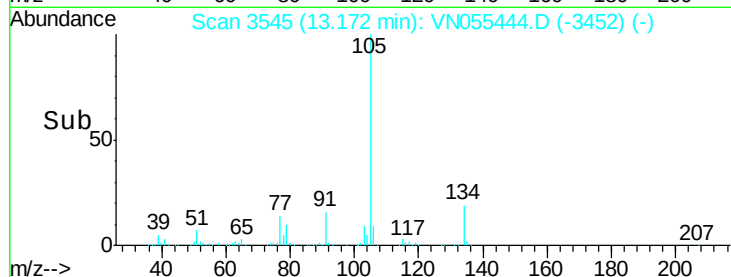
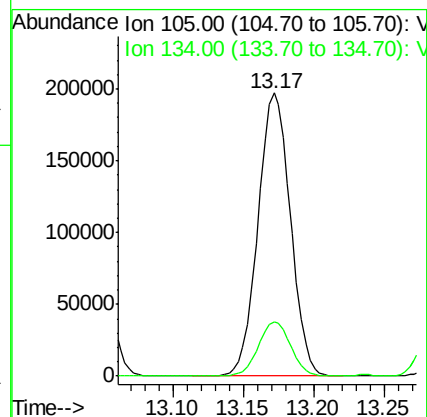
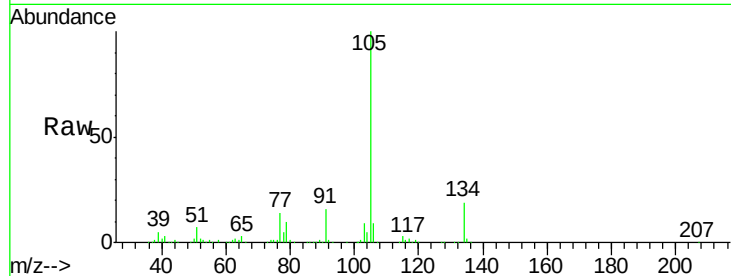
134 19.1 9.6 28.8

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#86

p-Isopropyltoluene

Concen: 21.587 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055444.D

Acq: 7 May 2019 18:00

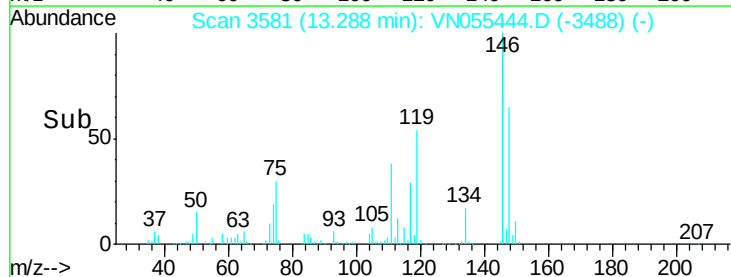
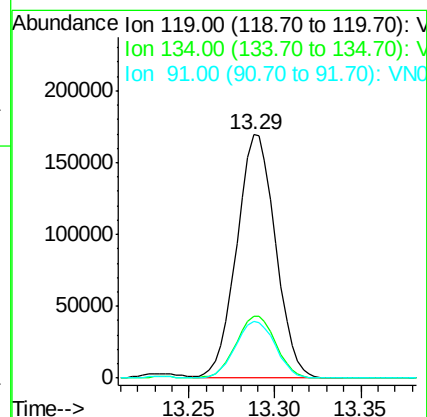
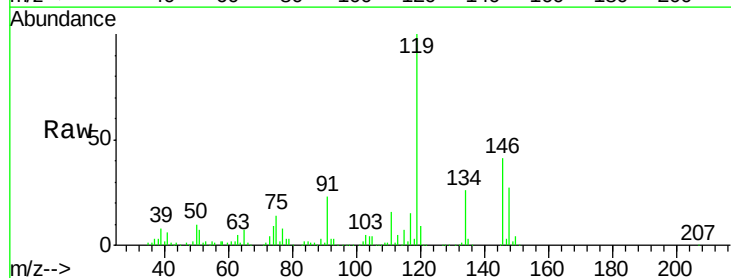
Tgt Ion:119 Resp: 265329

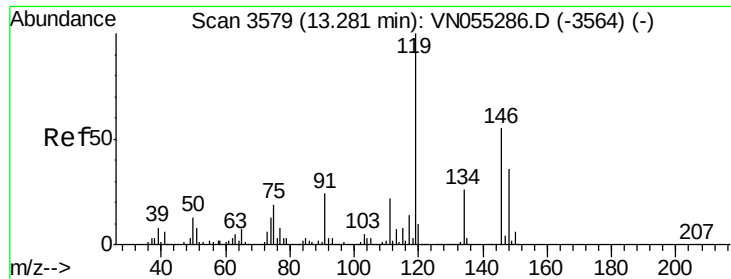
Ion Ratio Lower Upper

119 100

134 26.0 13.0 38.9

91 23.5 12.2 36.6





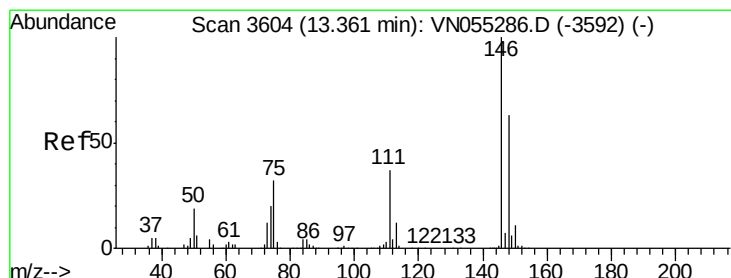
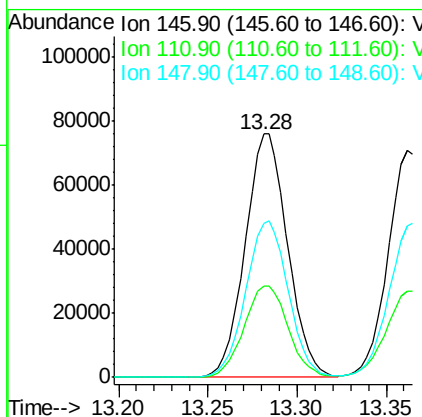
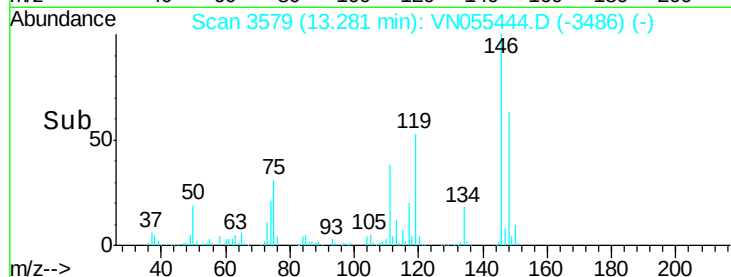
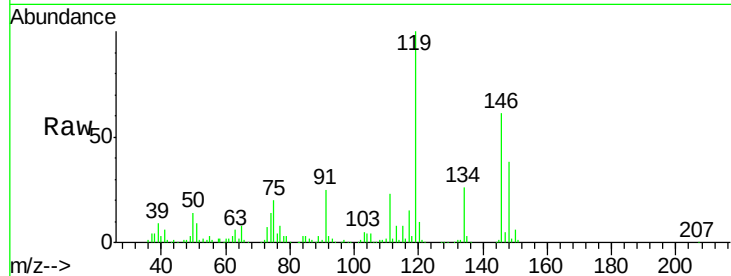
#87
 1,3-Dichlorobenzene
 Concen: 21.532 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055444.D
 Acq: 7 May 2019 18:00

Instrument :
 MSVOA_N
 ClientSampled :
 VN0507WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	126451		
111	38.9	20.3	60.8	
148	64.5	32.5	97.5	

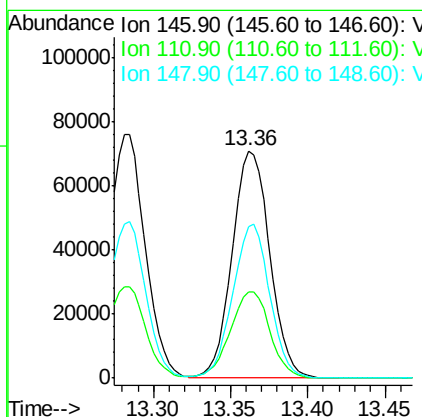
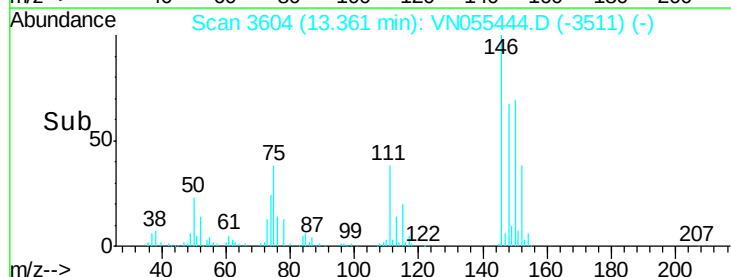
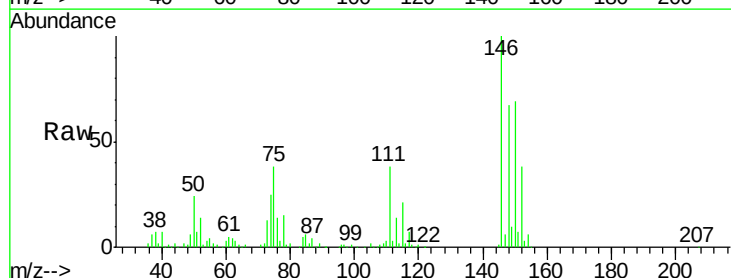
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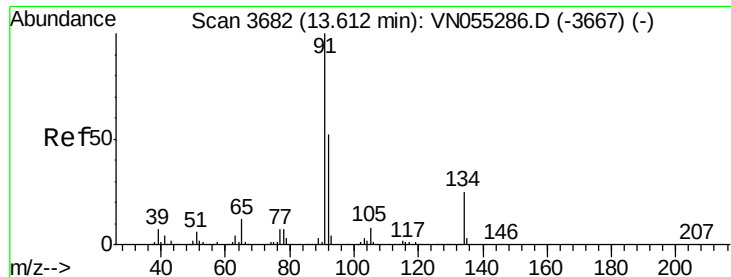
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#88
 1,4-Dichlorobenzene
 Concen: 21.674 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN055444.D
 Acq: 7 May 2019 18:00

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	119868		
111	40.3	19.5	58.5	
148	66.6	32.5	97.4	





#89

n-Butylbenzene

Concen: 21.989 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN055444.D

Acq: 7 May 2019 18:00

Instrument :

MSVOA_N

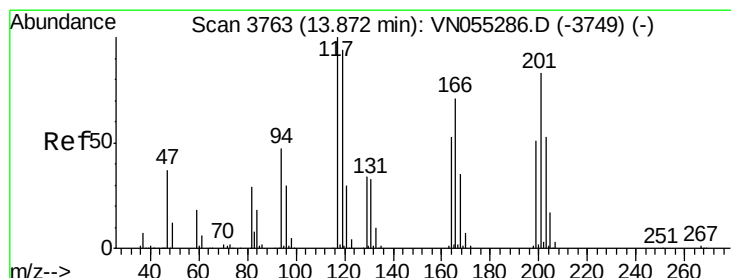
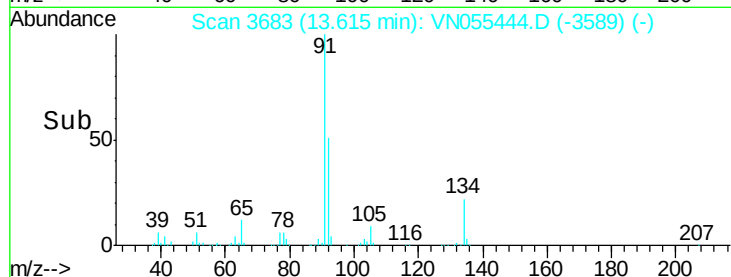
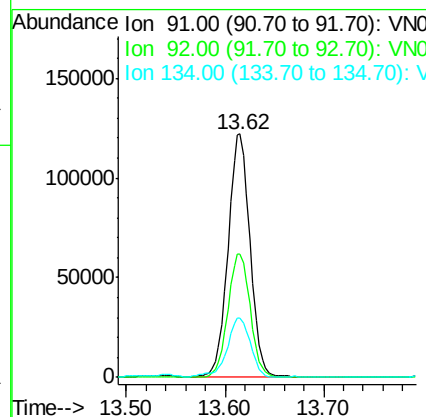
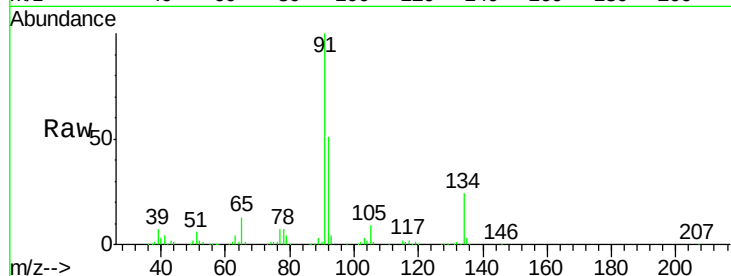
ClientSampleId :

VN0507WBSD01

Tot Ion:	91	Resp:	192053
Ion Ratio	Lower	Upper	
91	100		
92	51.4	26.1	78.3
134	25.9	12.4	37.4

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#90

Hexachloroethane

Concen: 22.585 ug/l

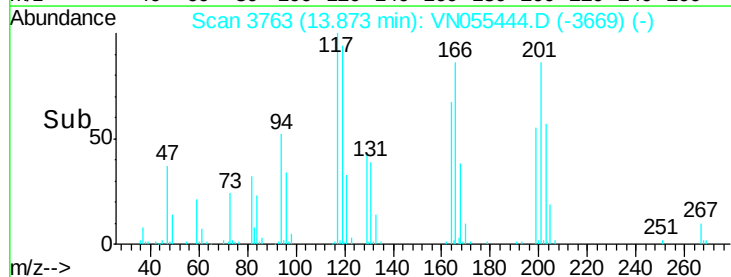
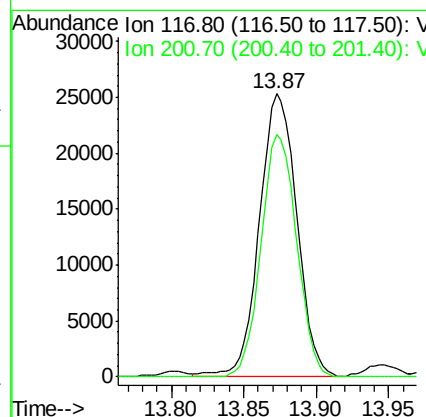
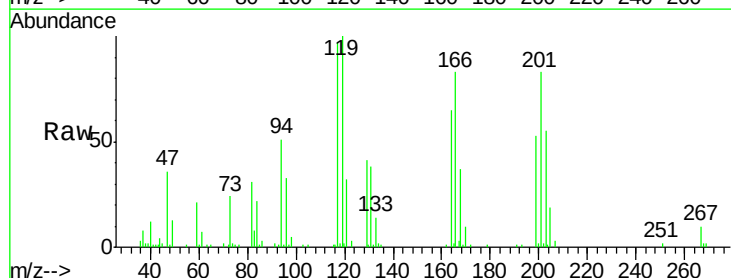
RT: 13.87 min Scan# 3763

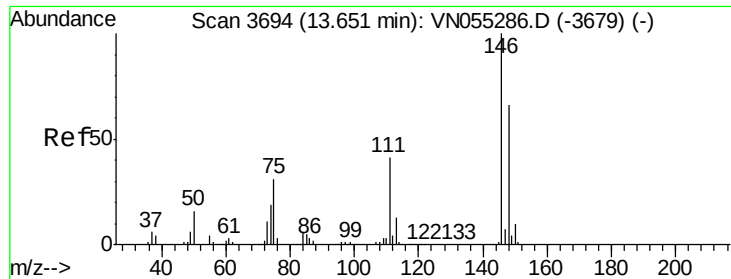
Delta R.T. 0.00 min

Lab File: VN055444.D

Acq: 7 May 2019 18:00

Tgt Ion:	117	Resp:	45636
Ion Ratio	Lower	Upper	
117	100		
201	81.0	41.9	125.8





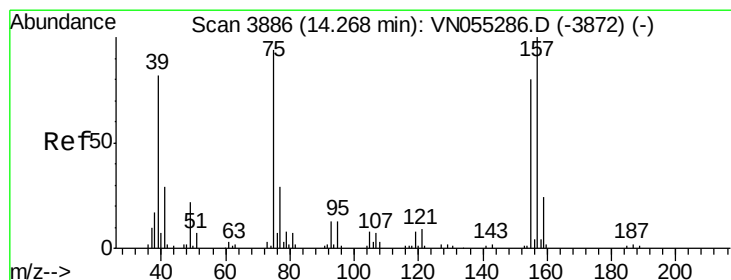
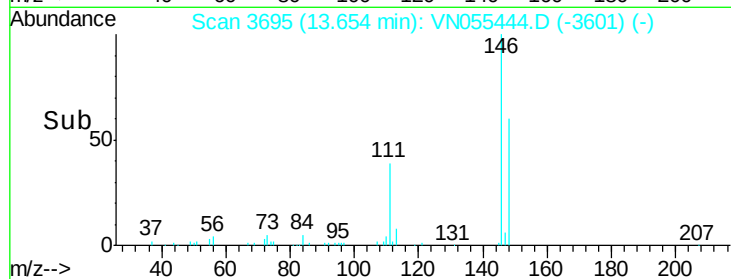
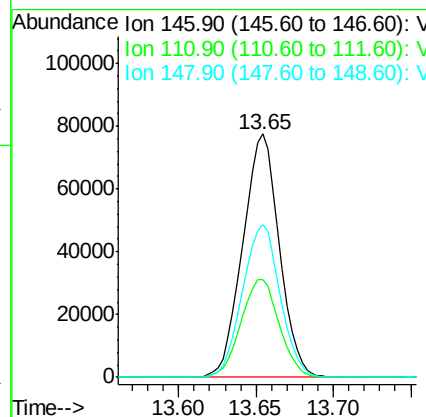
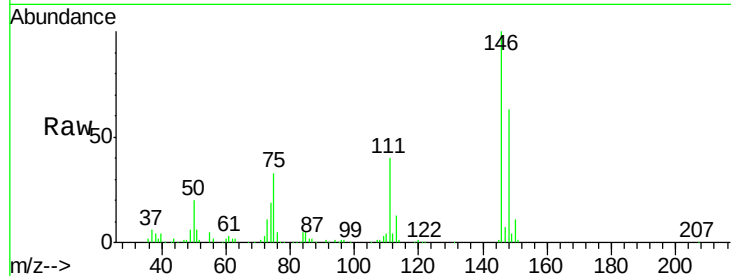
#91
 1,2-Dichlorobenzene
 Concen: 21.920 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN055444.D
 Acq: 7 May 2019 18:00

Instrument :
 MSVOA_N
 ClientSampled :
 VN0507WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.9	20.3	61.0
148	64.5	32.4	97.2

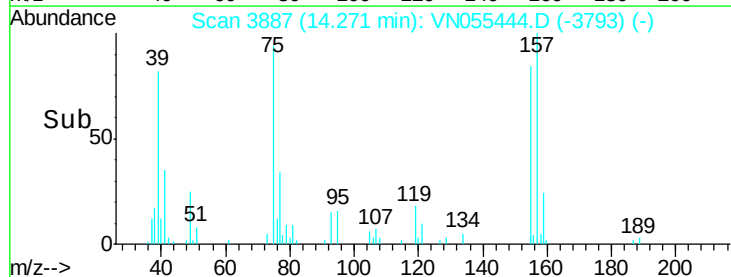
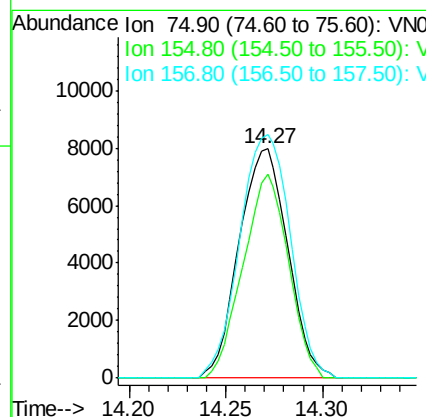
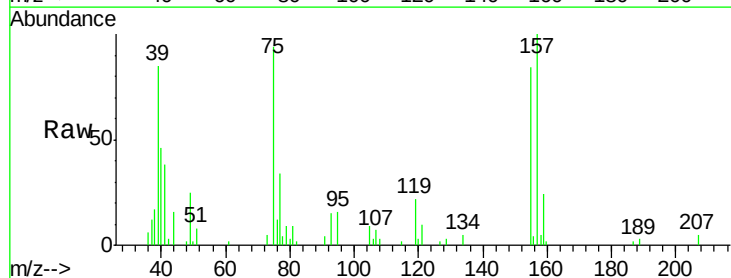
Manual Integrations
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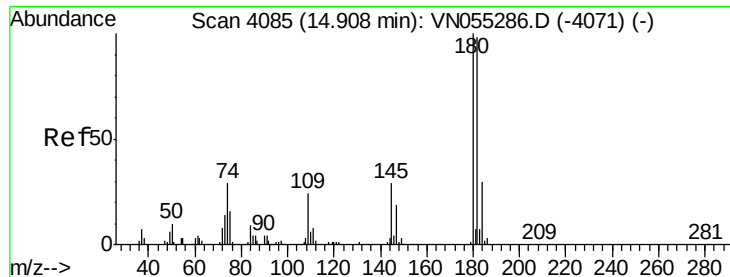
MMDadoda
 5/8/2019 10:22:34 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 30.367 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN055444.D
 Acq: 7 May 2019 18:00

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.6	41.5	124.6
157	109.9	54.0	162.2





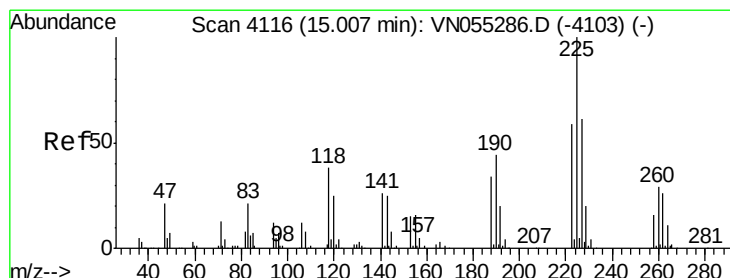
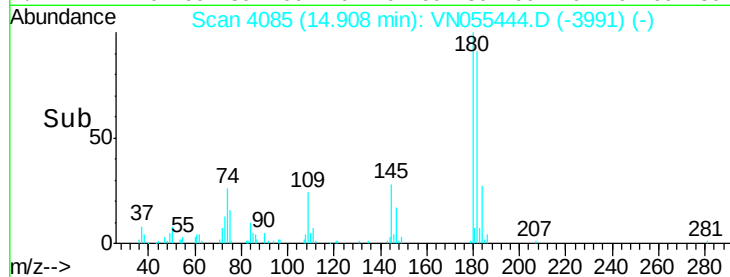
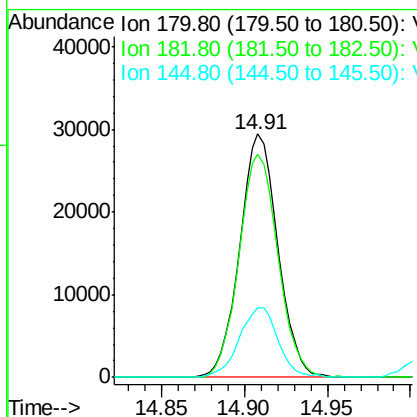
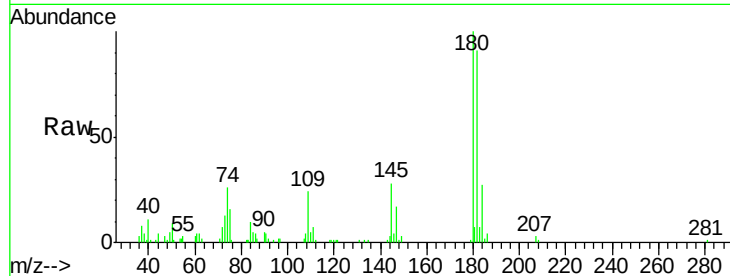
#93
 1,2,4-Trichlorobenzene
 Concen: 22.405 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055444.D
 Acq: 7 May 2019 18:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0507WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	46922		
182	93.7	48.3	144.9	
145	29.3	14.2	42.6	

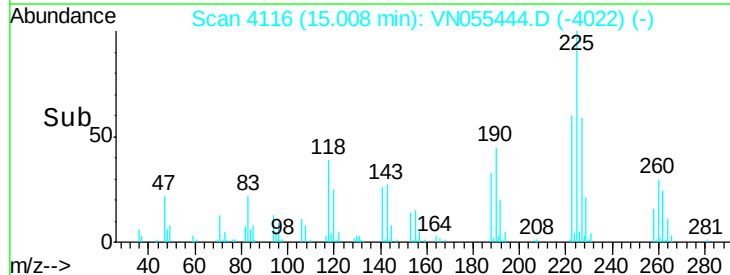
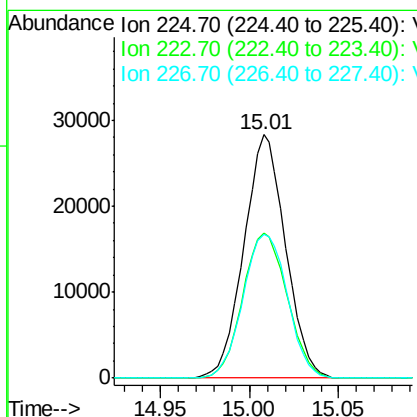
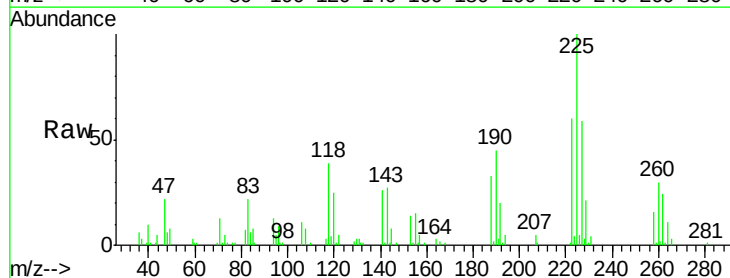
Manual Integrations
 APPROVED

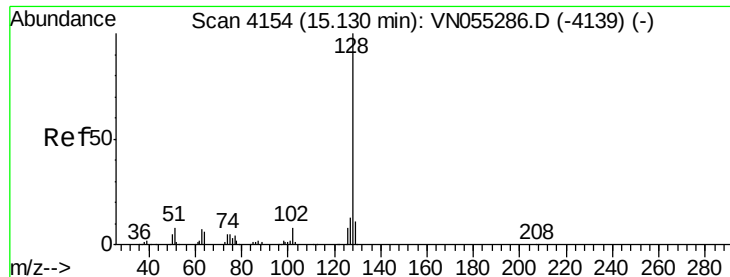
MMDadoda
 5/8/2019 10:22:34 AM



#94
 Hexachlorobutadiene
 Concen: 25.010 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055444.D
 Acq: 7 May 2019 18:00

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	46254		
223	63.6	30.3	90.8	
227	63.0	30.9	92.7	





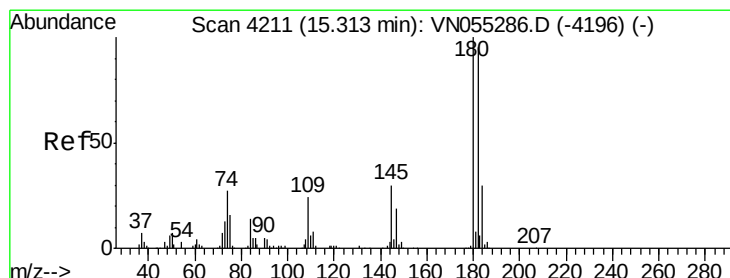
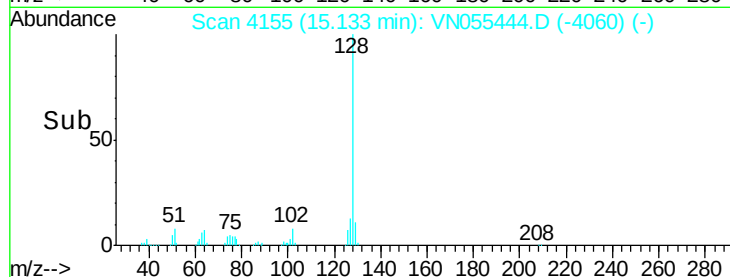
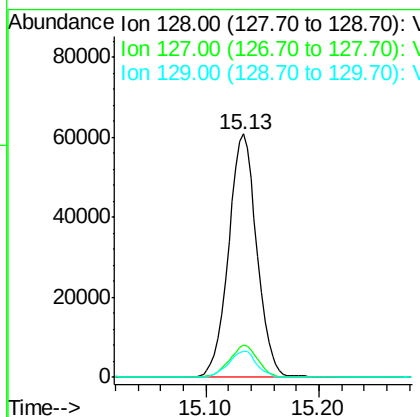
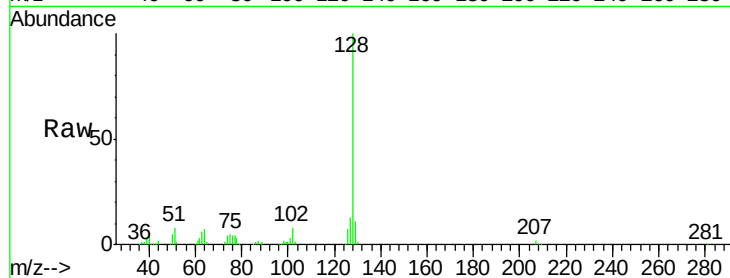
#95
Naphthalene
Concen: 23.558 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN055444.D
Acq: 7 May 2019 18:00

Instrument :
MSVOA_N
ClientSampleId :
VN0507WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.7	16.1
129	10.7	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
5/8/2019 10:22:34 AM



#96
1,2,3-Trichlorobenzene
Concen: 23.502 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN055444.D
Acq: 7 May 2019 18:00

Tgt Ion	Ratio	Lower	Upper
180	100		
182	100.2	48.3	144.9
145	32.0	15.2	45.6

