

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN050219\
 Data File : VN055344.D
 Acq On : 2 May 2019 12:28
 Operator : JC/SP
 Sample : VN0502WBSD01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0502WBSD01

Manual Integrations
 APPROVED

MMDadoda
 5/3/2019 1:09:21 PM

Quant Time: May 03 03:25:00 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	340702	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	568666	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	471185	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	178509	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	236344	53.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.06%	
35) Dibromofluoromethane	7.59	113	184446	49.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.84%	
50) Toluene-d8	10.09	98	650186	48.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.48%	
62) 4-Bromofluorobenzene	12.40	95	210467	49.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.94%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	85260	20.425	ug/l	96
3) Chloromethane	2.06	50	93858	18.158	ug/l	100
4) Vinyl Chloride	2.19	62	82203	19.729	ug/l	100
5) Bromomethane	2.57	94	44460	20.145	ug/l	94
6) Chloroethane	2.71	64	45933	20.350	ug/l	99
7) Trichlorofluoromethane	3.02	101	122367	20.654	ug/l	97
8) Diethyl Ether	3.41	74	42265	20.390	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	70672	20.031	ug/l	98
10) Methyl Iodide	3.96	142	94978	19.129	ug/l	99
11) Tert butyl alcohol	4.79	59	27843	109.109	ug/l #	94
12) 1,1-Dichloroethene	3.74	96	67141	19.949	ug/l	98
13) Acrolein	3.62	56	15057	75.553	ug/l	97
14) Allyl chloride	4.33	41	138086	19.810	ug/l	99
15) Acrylonitrile	4.99	53	150690	105.057	ug/l	98
16) Acetone	3.82	43	131390	94.607	ug/l	98
17) Carbon Disulfide	4.06	76	160249	18.245	ug/l	100
18) Methyl Acetate	4.33	43	77796	22.424	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	200980	21.242	ug/l	98
20) Methylene Chloride	4.56	84	81595	19.248	ug/l	96
21) trans-1,2-Dichloroethene	5.05	96	70762	19.853	ug/l	97
22) Diisopropyl ether	5.95	45	293125	21.165	ug/l	94
23) Vinyl Acetate	5.90	43	962440	106.031	ug/l	100
24) 1,1-Dichloroethane	5.85	63	150777	20.433	ug/l	99
25) 2-Butanone	6.84	43	182089	102.523	ug/l	100
26) 2,2-Dichloropropane	6.83	77	96290	18.897	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	83401	20.576	ug/l	99
28) Bromochloromethane	7.20	49	78293	21.049	ug/l	99
29) Tetrahydrofuran	7.22	42	124273	109.272	ug/l	99
30) Chloroform	7.37	83	144367	20.638	ug/l	99
31) Cyclohexane	7.65	56	136671	19.494	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	115061	20.267	ug/l	99
36) 1,1-Dichloropropene	7.80	75	97846	17.963	ug/l	99
37) Ethyl Acetate	6.93	43	71810	17.202	ug/l	99
38) Carbon Tetrachloride	7.78	117	98261	18.701	ug/l	98

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MMDadoda
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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	105806	18.270	ug/l	97
40) Benzene	8.04	78	308878	19.236	ug/l	99
41) Methacrylonitrile	7.17	41	42592	19.312	ug/l	94
42) 1,2-Dichloroethane	8.12	62	113113	19.889	ug/l	99
43) Isopropyl Acetate	8.17	43	145496	21.687	ug/l #	85
44) Trichloroethene	8.84	130	76292	18.638	ug/l	92
45) 1,2-Dichloropropane	9.12	63	90577	19.558	ug/l	99
46) Dibromomethane	9.21	93	49431	19.527	ug/l	98
47) Bromodichloromethane	9.40	83	107887	19.866	ug/l	99
48) Methyl methacrylate	9.20	41	65819	19.957	ug/l	99
49) 1,4-Dioxane	9.20	88	13766	403.772	ug/l	95
51) 4-Methyl-2-Pentanone	9.99	43	383611	101.560	ug/l	99
52) Toluene	10.16	92	178249	19.347	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	91255	19.357	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	114789	19.529	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	71332	20.850	ug/l	97
56) Ethyl methacrylate	10.43	69	84898	20.161	ug/l	98
57) 1,3-Dichloropropane	10.71	76	121195	20.193	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	104724	88.562	ug/l	99
59) 2-Hexanone	10.75	43	240184	101.629	ug/l	98
60) Dibromochloromethane	10.90	129	69854	19.978	ug/l	100
61) 1,2-Dibromoethane	11.01	107	61541	19.461	ug/l	98
64) Tetrachloroethene	10.63	164	78004	20.244	ug/l	97
65) Chlorobenzene	11.43	112	178845	19.414	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	69602	19.295	ug/l	98
67) Ethyl Benzene	11.51	91	332159	19.967	ug/l	100
68) m/p-Xylenes	11.62	106	241216	40.623	ug/l	97
69) o-Xylene	11.95	106	121371	20.622	ug/l	97
70) Styrene	11.96	104	189232	20.941	ug/l	99
71) Bromoform	12.13	173	41058	20.512	ug/l #	99
73) Isopropylbenzene	12.25	105	312606	20.119	ug/l	98
74) N-amyl acetate	12.07	43	88785	19.380	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	78232	20.225	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	73810m	20.773	ug/l	
77) Bromobenzene	12.53	156	74610	20.613	ug/l	99
78) n-propylbenzene	12.59	91	339183	18.498	ug/l	100
79) 2-Chlorotoluene	12.67	91	214941	20.655	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	262912	18.787	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	18082	19.196	ug/l	92
82) 4-Chlorotoluene	12.77	91	199375	18.700	ug/l	100
83) tert-Butylbenzene	12.99	119	215715	20.033	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	244448	19.531	ug/l	100
85) sec-Butylbenzene	13.17	105	279551	18.379	ug/l	99
86) p-Isopropyltoluene	13.29	119	235476	18.835	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	117253	19.629	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	109356	19.440	ug/l	99
89) n-Butylbenzene	13.61	91	164031	18.464	ug/l	97
90) Hexachloroethane	13.87	117	39894	19.182	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	117739	19.887	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	11060	23.551	ug/l	91

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QLast Update : Tue Apr 30 07:16:52 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	33876	16.864	ug/l	98
94) Hexachlorobutadiene	15.01	225	41753	21.862	ug/l	97
95) Naphthalene	15.13	128	69866	16.472	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	38567	18.515	ug/l	98

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

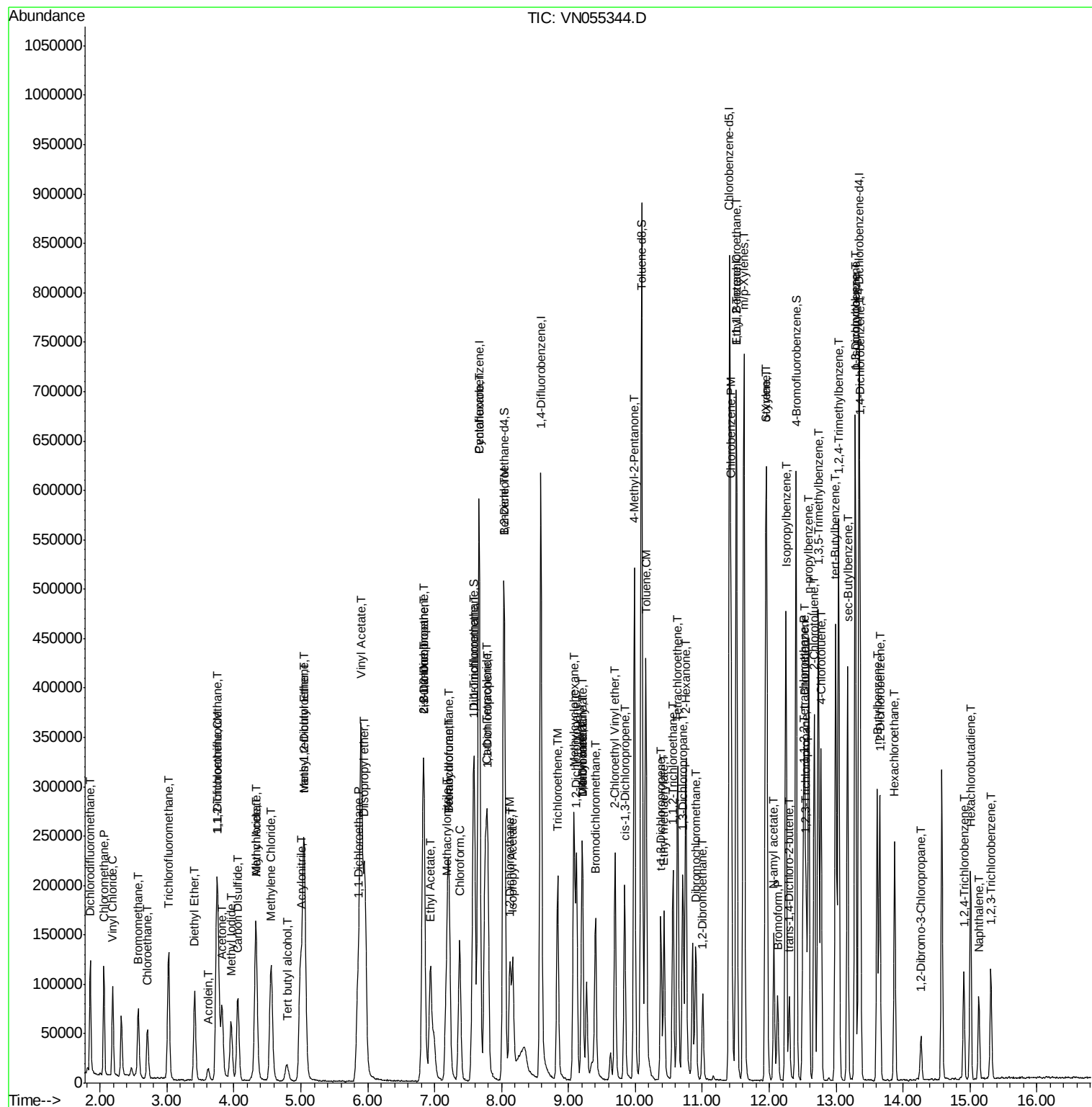
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 Data File : VN055344.D
 Acq On : 2 May 2019 12:28
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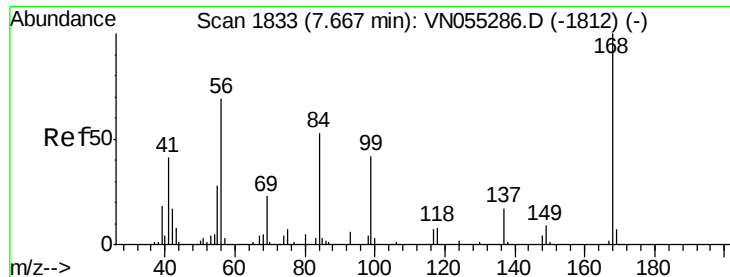
Instrument :
 MSVOA_N
 Client Sampled :
 VN0502WBSD01

Manual Integrations
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN055344.D

Acq: 2 May 2019 12:28

Instrument :

MSVOA_N

ClientSampleId :

VN0502WBSD01

Tgt Ion:168 Resp: 340702

Ion Ratio Lower Upper

168 100

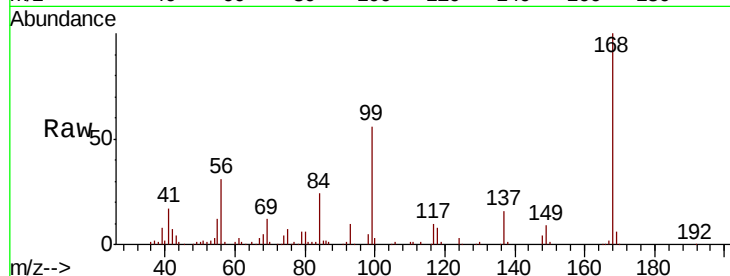
99 55.1 43.6 65.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

150000

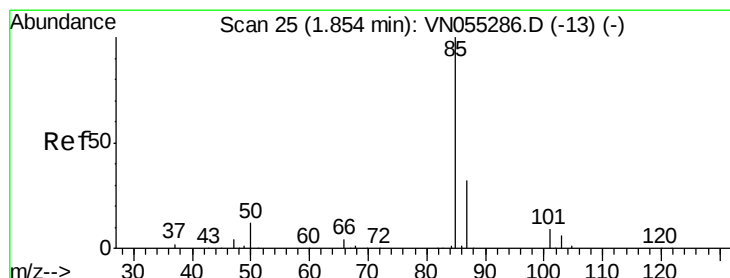
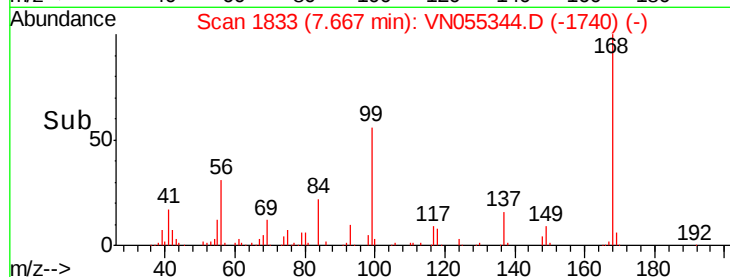
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 20.425 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN055344.D

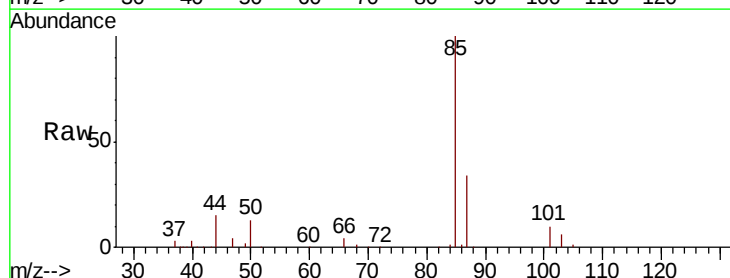
Acq: 2 May 2019 12:28

Tgt Ion: 85 Resp: 85260

Ion Ratio Lower Upper

85 100

87 34.3 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

60000

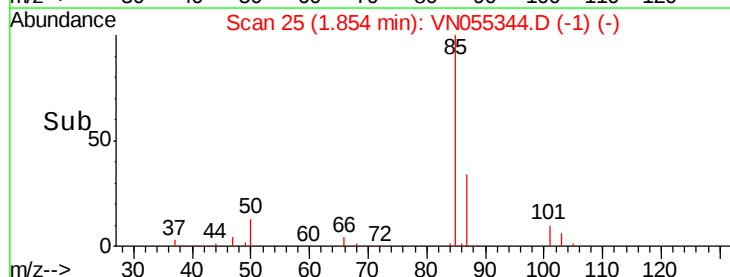
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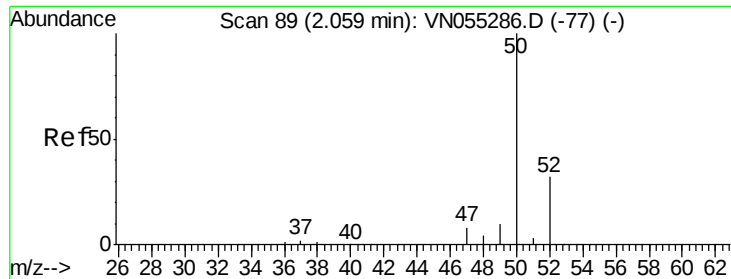
20000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 18.158 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN055344.D

Acq: 2 May 2019 12:28

Instrument :

MSVOA_N

ClientSampleId :

VN0502WBSD01

Tgt Ion: 50 Resp: 93858

Ion Ratio Lower Upper

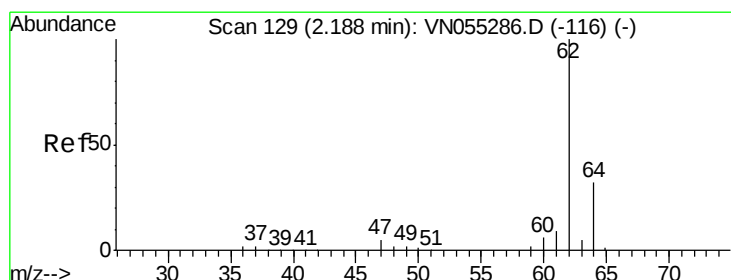
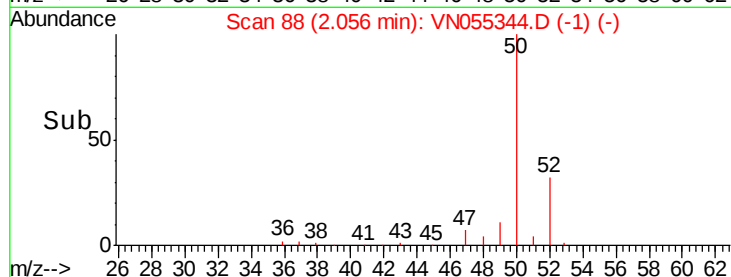
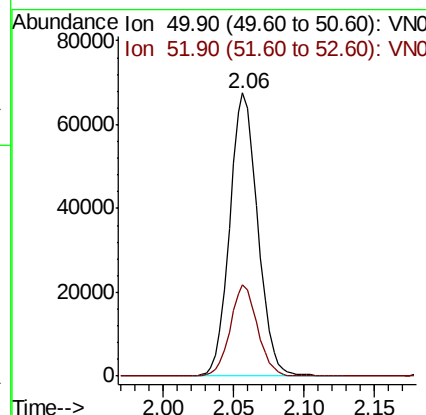
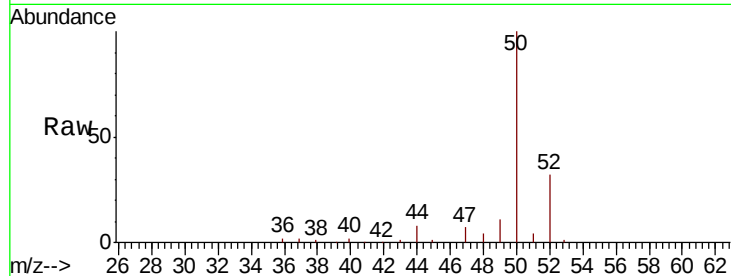
50 100

52 32.1 25.7 38.5

Manual Integrations
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#4

Vinyl Chloride

Concen: 19.729 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN055344.D

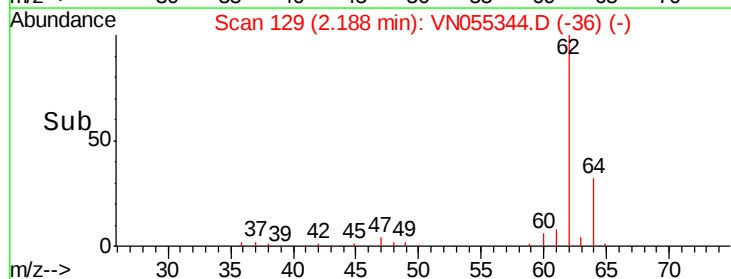
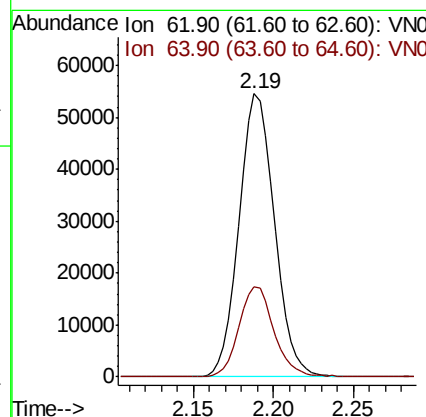
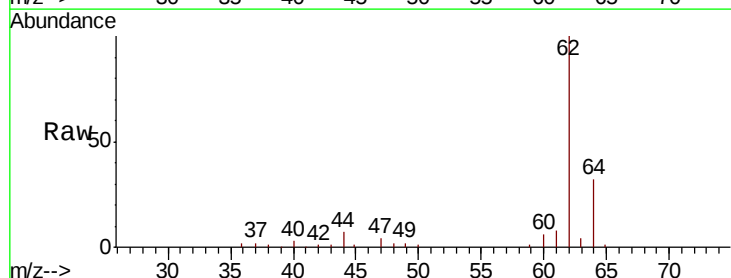
Acq: 2 May 2019 12:28

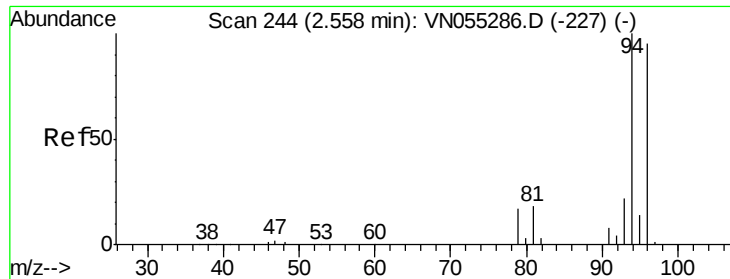
Tgt Ion: 62 Resp: 82203

Ion Ratio Lower Upper

62 100

64 31.9 25.5 38.3





#5

Bromomethane

Concen: 20.145 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.01 min

Lab File: VN055344.D

Acq: 2 May 2019 12:28

Instrument :

MSVOA_N

ClientSampleId :

VN0502WBSD01

Tgt Ion: 94 Resp: 44460

Ion Ratio Lower Upper

94 100

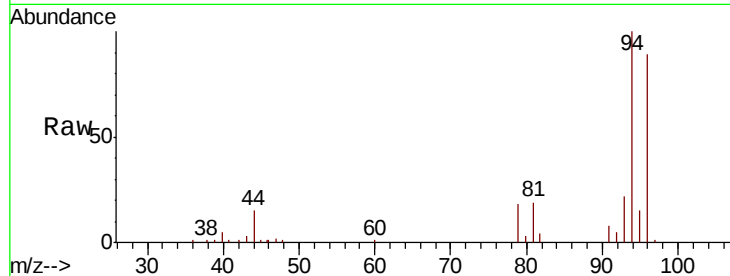
96 88.9 76.0 114.0

Manual Integrations

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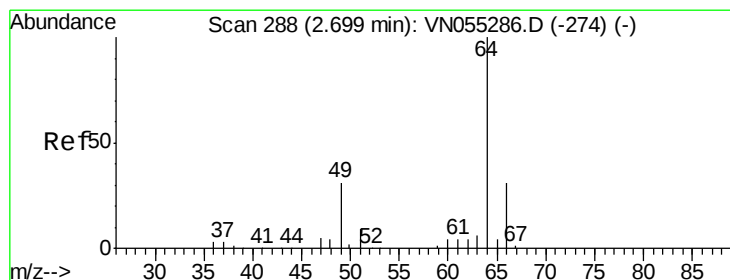
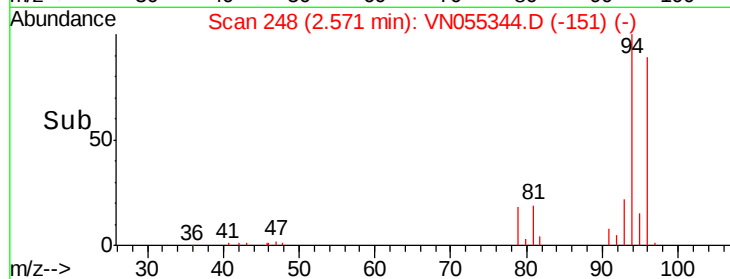
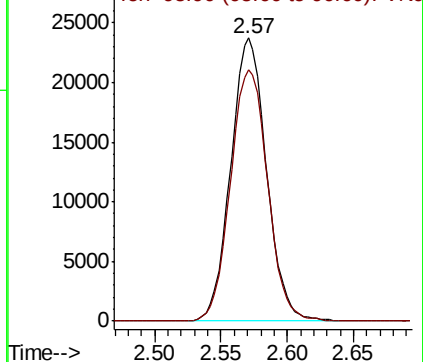
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 20.350 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.01 min

Lab File: VN055344.D

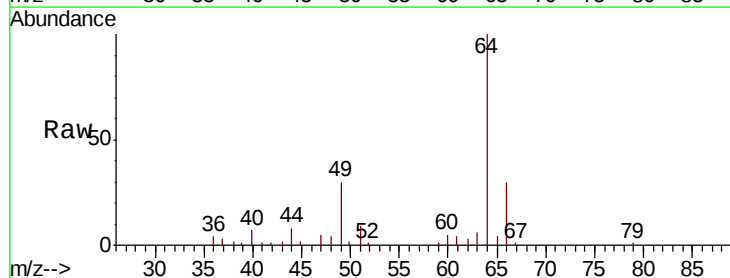
Acq: 2 May 2019 12:28

Tgt Ion: 64 Resp: 45933

Ion Ratio Lower Upper

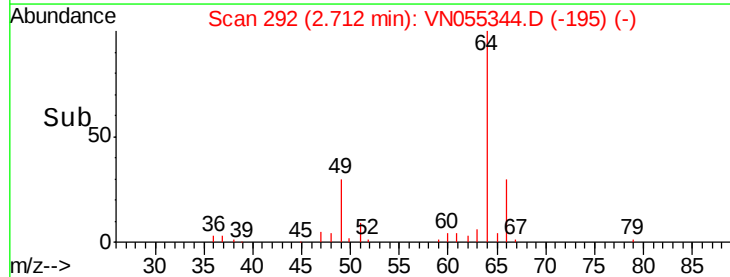
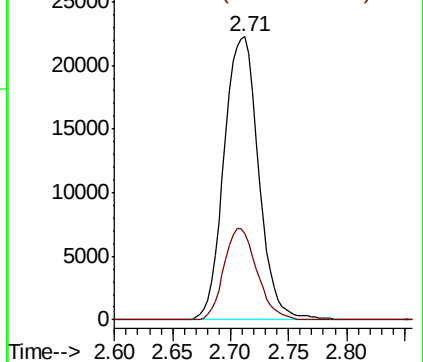
64 100

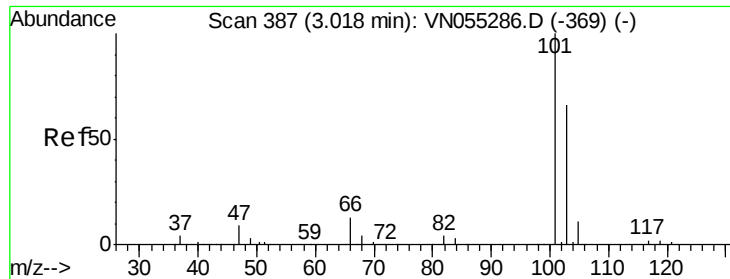
66 30.5 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

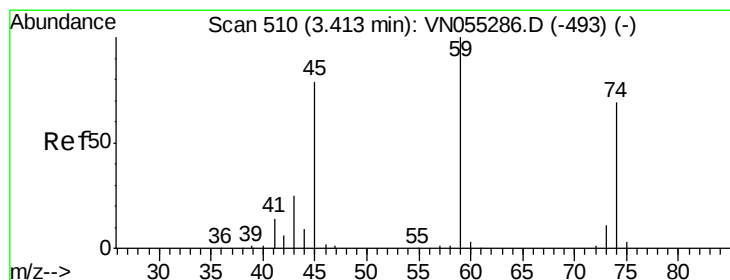
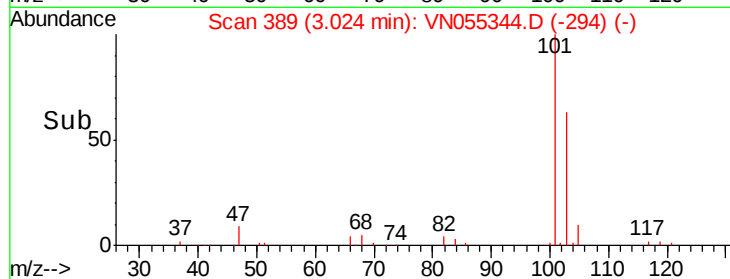
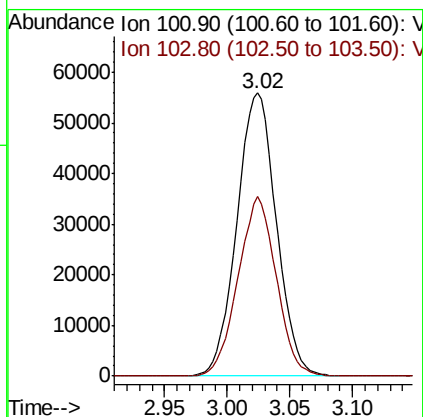
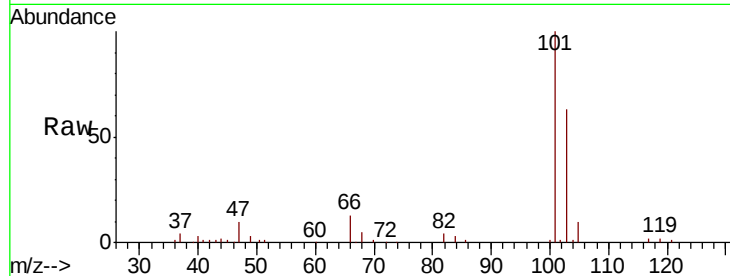
Trichlorofluoromethane
 Concen: 20.654 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.01 min
 Lab File: VN055344.D
 Acq: 2 May 2019 12:28

Instrument :
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Tgt Ion: 101 Resp: 122367
 Ion Ratio Lower Upper
 101 100
 103 63.5 52.6 79.0

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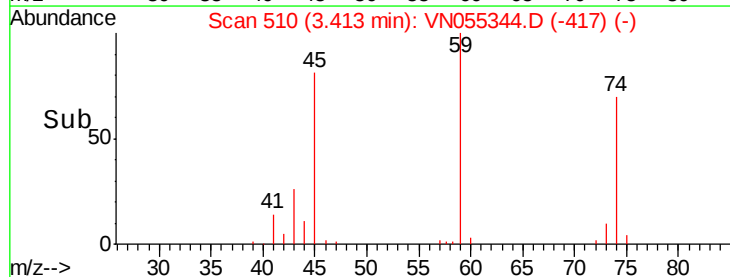
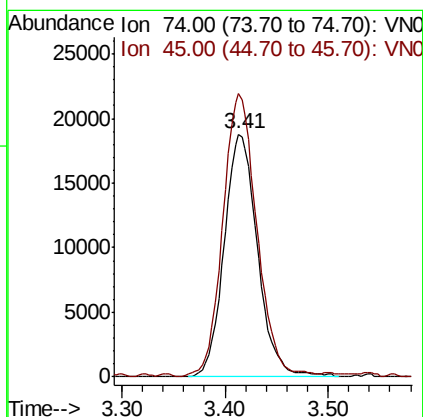
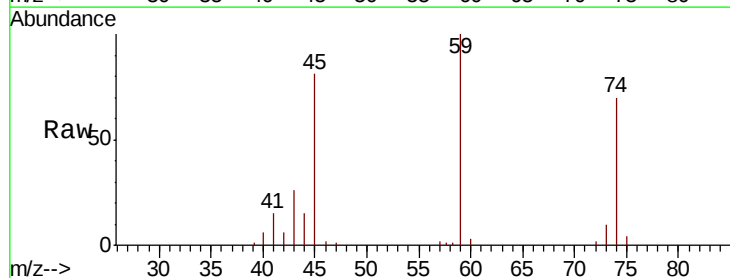
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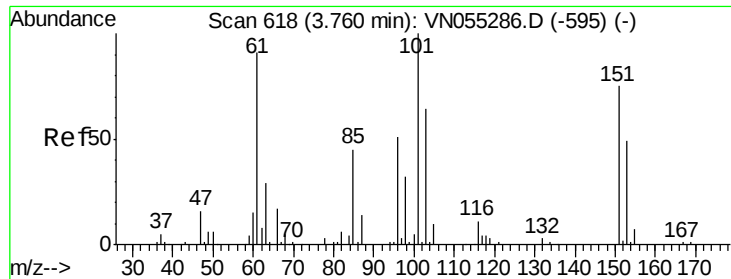


#8

Diethyl Ether
 Concen: 20.390 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN055344.D
 Acq: 2 May 2019 12:28

Tgt Ion: 74 Resp: 42265
 Ion Ratio Lower Upper
 74 100
 45 119.4 58.9 176.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.031 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN055344.D

Acq: 2 May 2019 12:28

Instrument :

MSVOA_N

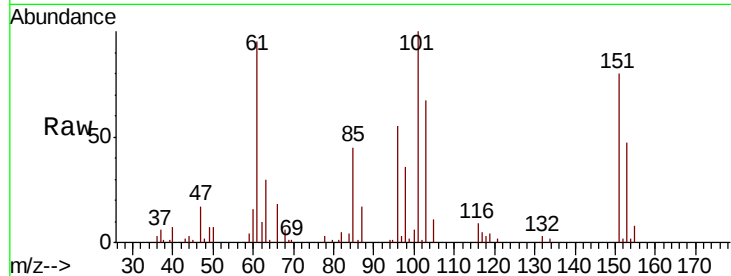
ClientSampleId :

VN0502WBSD01

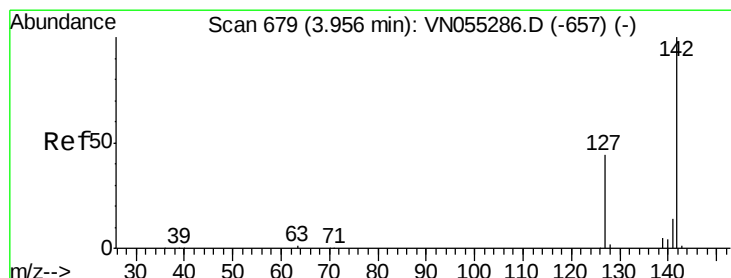
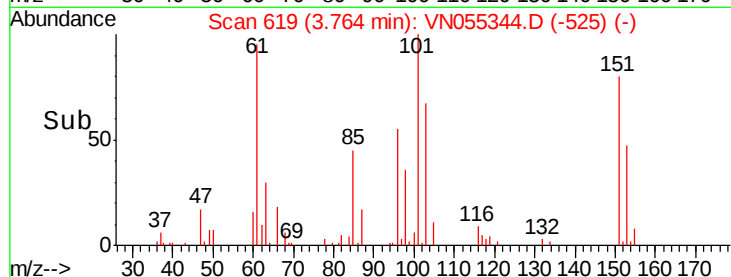
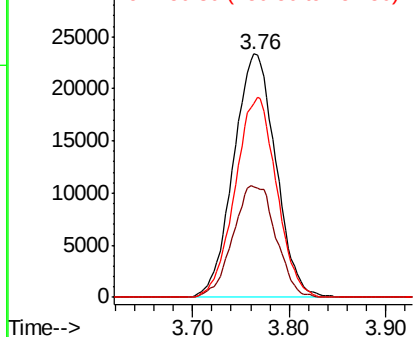
Tgt Ion:	101	Resp:	70672
Ion Ratio	Lower	Upper	
101	100		
85	46.5	35.7	53.5
151	80.7	63.3	94.9

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.129 ug/l

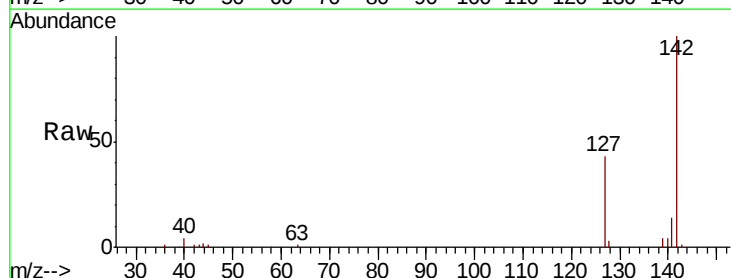
RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

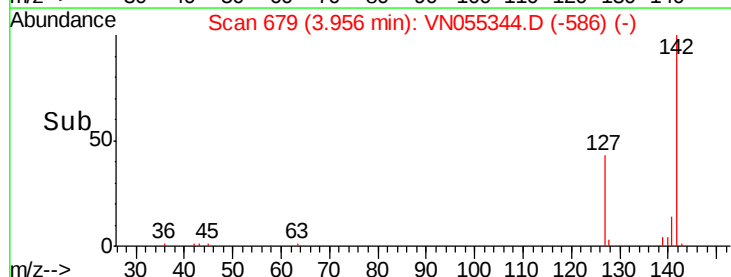
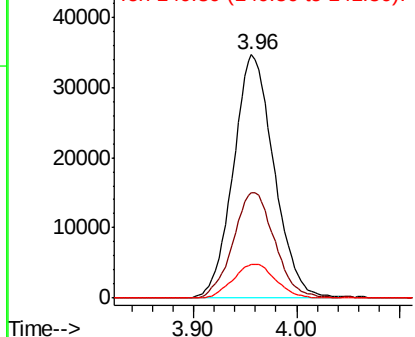
Lab File: VN055344.D

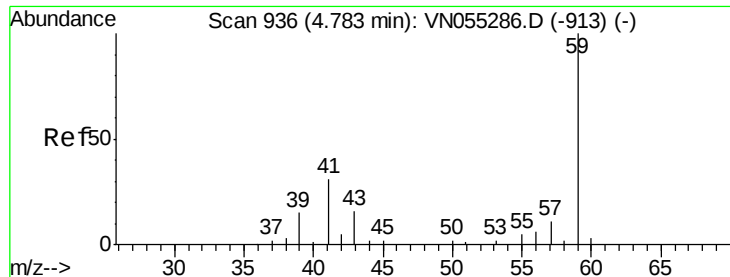
Acq: 2 May 2019 12:28

Tgt Ion:	142	Resp:	94978
Ion Ratio	Lower	Upper	
142	100		
127	44.2	34.4	51.6
141	14.5	11.5	17.3



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





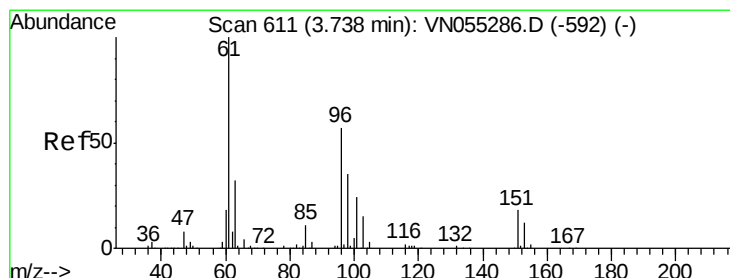
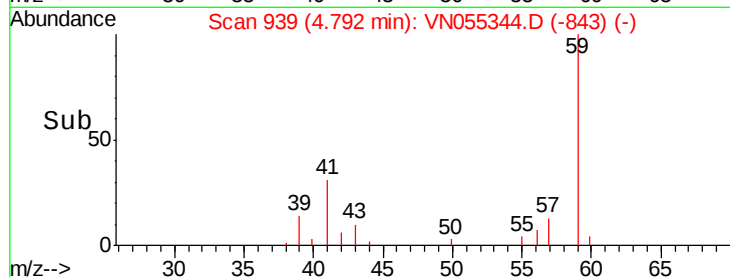
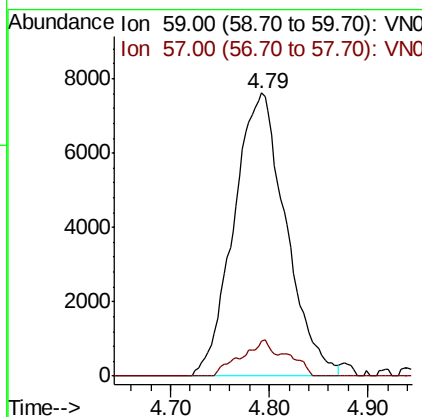
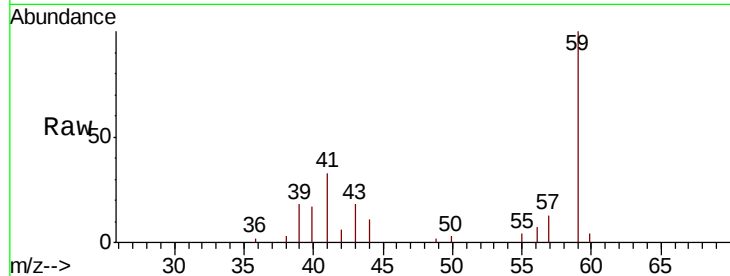
#11
Tert butyl alcohol
Concen: 109.109 ug/l
RT: 4.79 min Scan# 939
Delta R.T. 0.01 min
Lab File: VN055344.D
Acq: 2 May 2019 12:28

Instrument :
MSVOA_N
ClientSampleId :
VN0502WBSD01

Tgt Ion: 59 Resp: 27843
Ion Ratio Lower Upper
59 100
57 7.9 8.2 12.2#

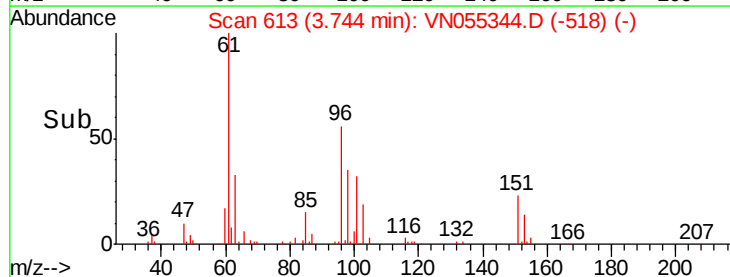
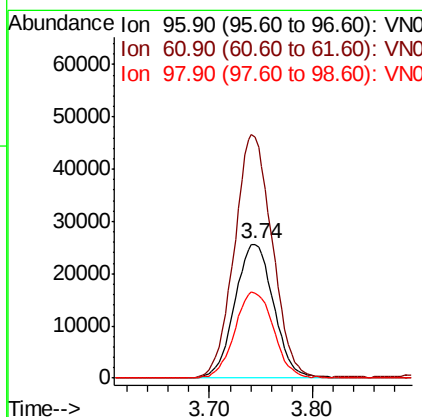
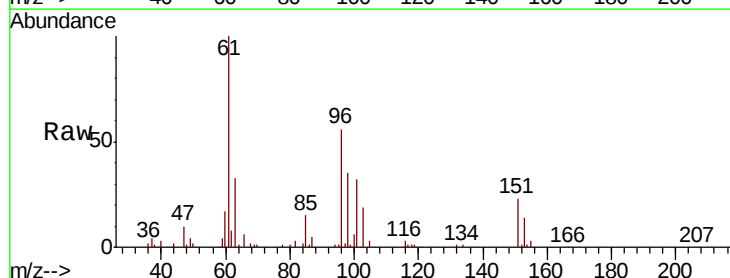
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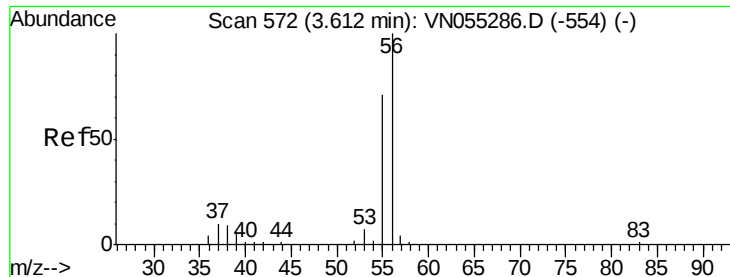
MMDadoda
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#12
1,1-Dichloroethene
Concen: 19.949 ug/l
RT: 3.74 min Scan# 613
Delta R.T. 0.01 min
Lab File: VN055344.D
Acq: 2 May 2019 12:28

Tgt Ion: 96 Resp: 67141
Ion Ratio Lower Upper
96 100
61 179.7 140.9 211.3
98 63.7 50.0 75.0





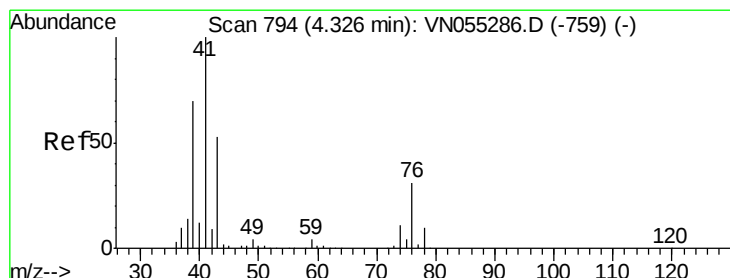
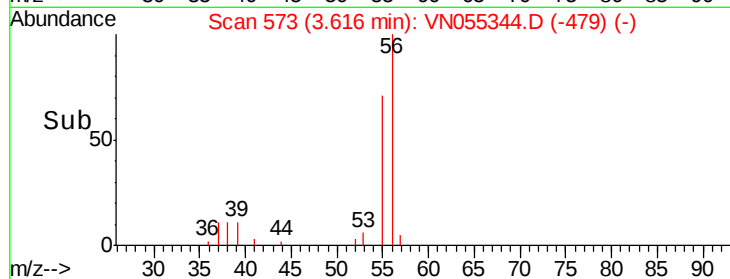
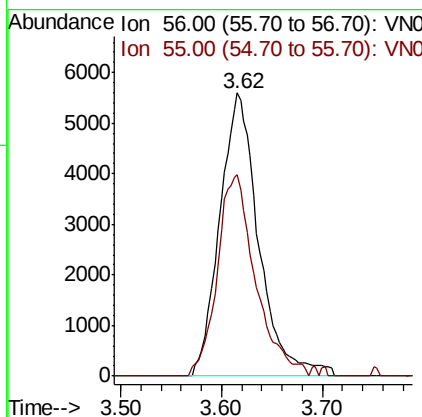
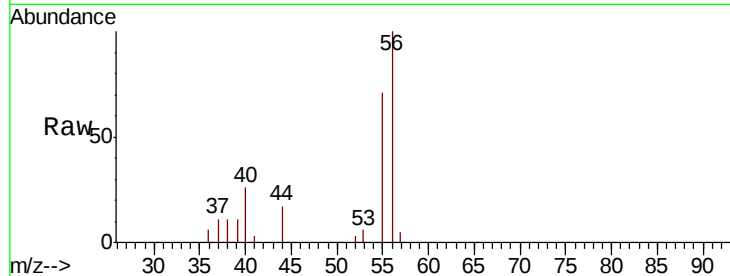
#13
Acrolein
Concen: 75.553 ug/l
RT: 3.62 min Scan# 573
Delta R.T. 0.00 min
Lab File: VN055344.D
Acq: 2 May 2019 12:28

Instrument :
MSVOA_N
ClientSampleId :
VN0502WBSD01

Tgt Ion: 56 Resp: 15057
Ion Ratio Lower Upper
56 100
55 69.6 57.4 86.2

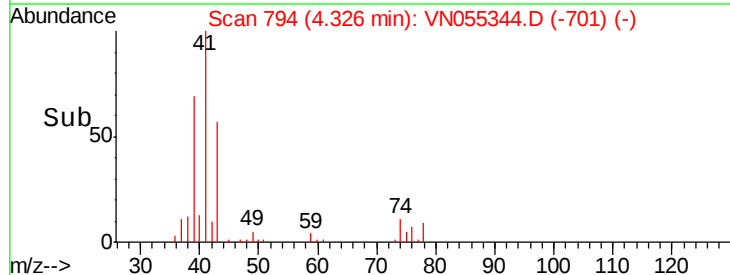
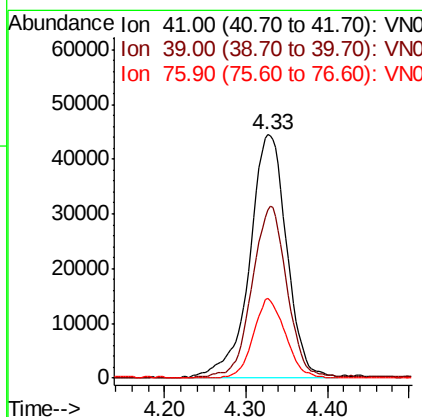
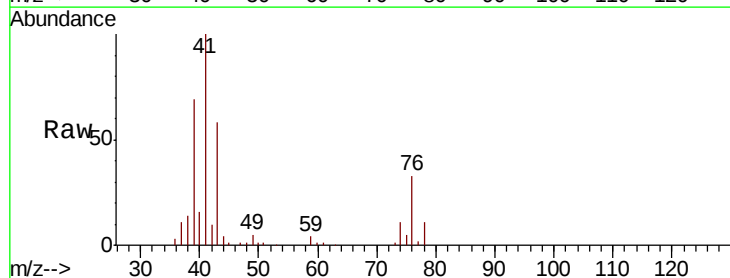
Manual Integrations
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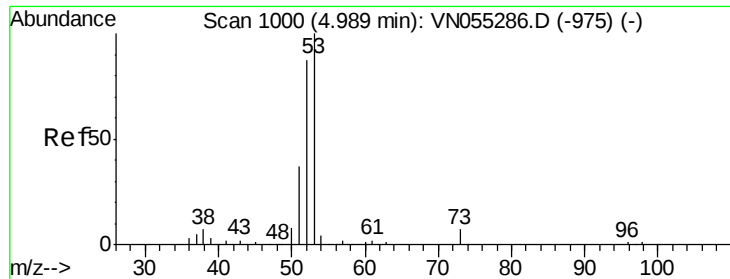
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#14
Allyl chloride
Concen: 19.810 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN055344.D
Acq: 2 May 2019 12:28

Tgt Ion: 41 Resp: 138086
Ion Ratio Lower Upper
41 100
39 67.7 53.0 79.6
76 28.5 22.7 34.1





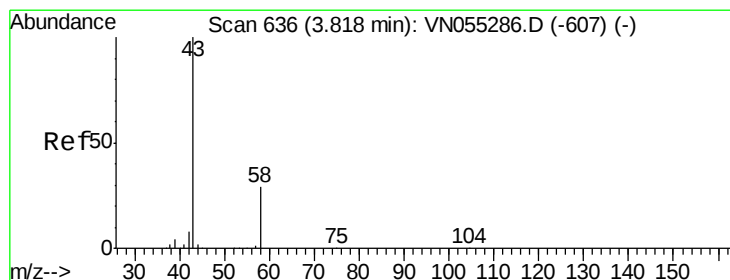
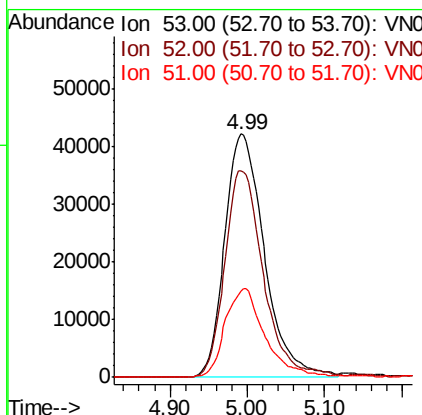
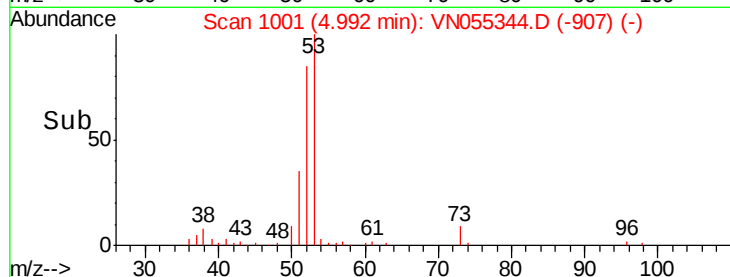
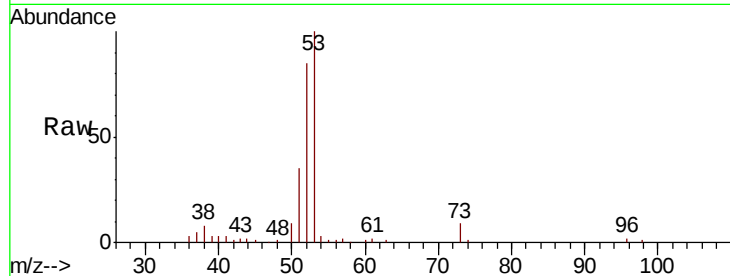
#15
 Acrylonitrile
 Concen: 105.057 ug/l
 RT: 4.99 min Scan# 1001
 Delta R.T. 0.00 min
 Lab File: VN055344.D
 Acq: 2 May 2019 12:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0502WBSD01

Tgt Ion	Ratio	Lower	Upper
53	100		
52	81.0	66.5	99.7
51	36.5	29.6	44.4

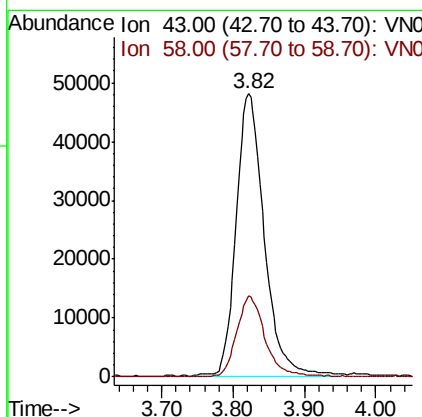
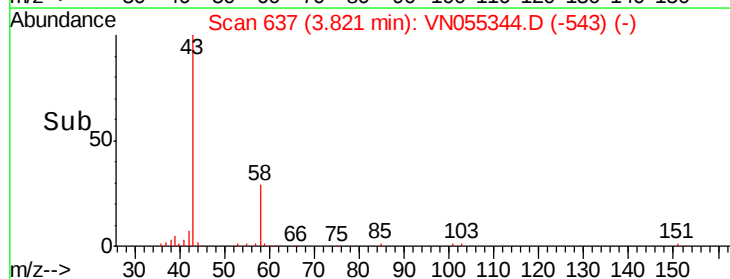
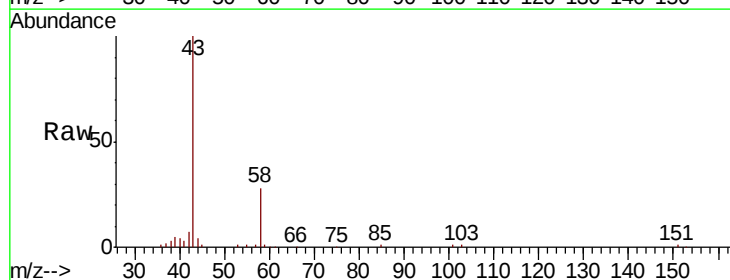
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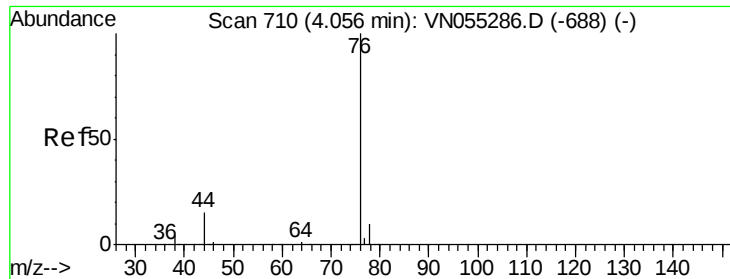
MMDadoda
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#16
 Acetone
 Concen: 94.607 ug/l
 RT: 3.82 min Scan# 637
 Delta R.T. 0.00 min
 Lab File: VN055344.D
 Acq: 2 May 2019 12:28

Tgt Ion	Ratio	Lower	Upper
43	100		
58	28.6	23.6	35.4





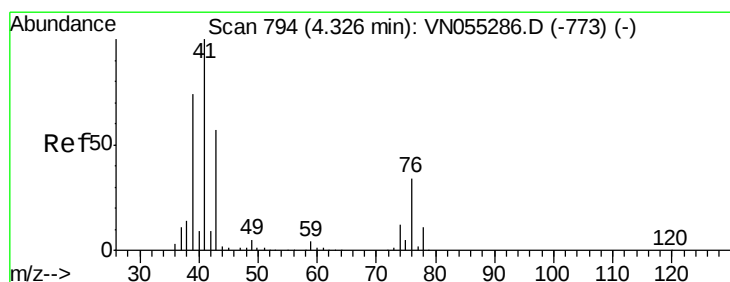
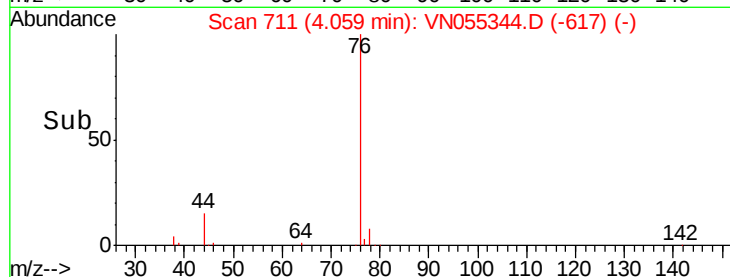
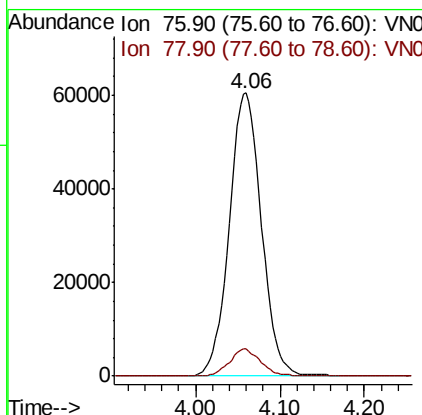
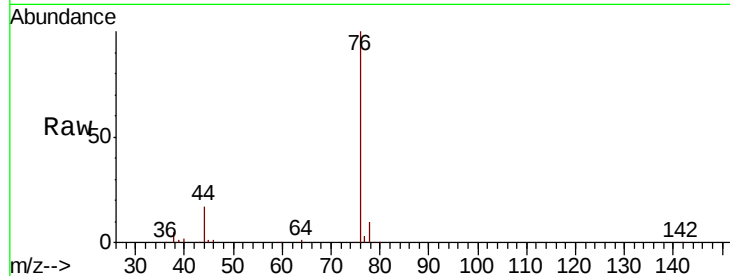
#17
Carbon Disulfide
Concen: 18.245 ug/l
RT: 4.06 min Scan# 711
Delta R.T. 0.00 min
Lab File: VN055344.D
Acq: 2 May 2019 12:28

Instrument :
MSVOA_N
ClientSampleId :
VN0502WBSD01

Tgt Ion: 76 Resp: 160249
Ion Ratio Lower Upper
76 100
78 9.5 7.6 11.4

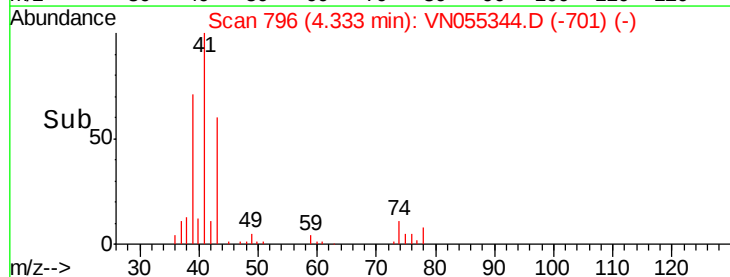
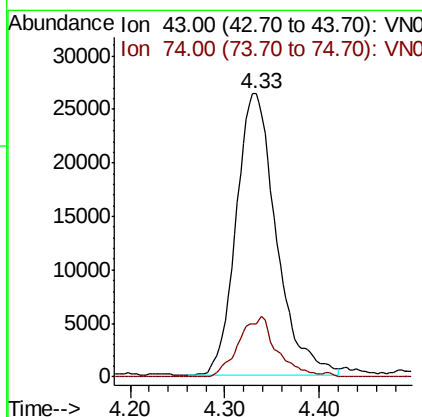
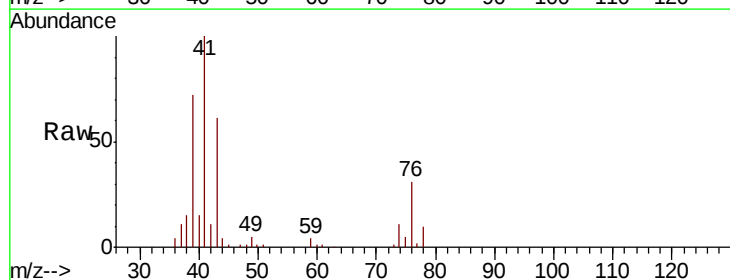
Manual Integrations
APPROVED

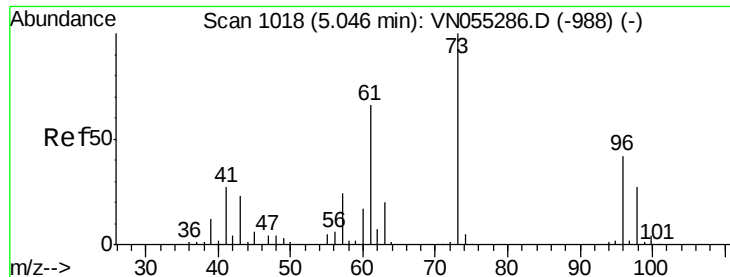
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#18
Methyl Acetate
Concen: 22.424 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.01 min
Lab File: VN055344.D
Acq: 2 May 2019 12:28

Tgt Ion: 43 Resp: 77796
Ion Ratio Lower Upper
43 100
74 20.3 15.8 23.8





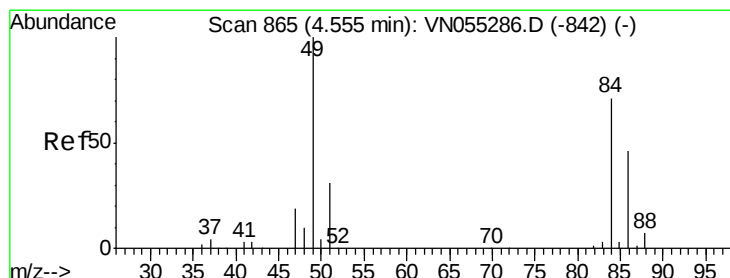
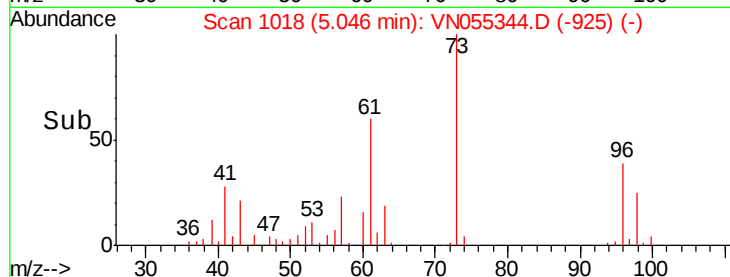
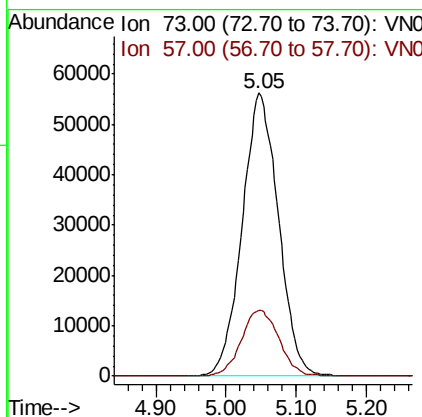
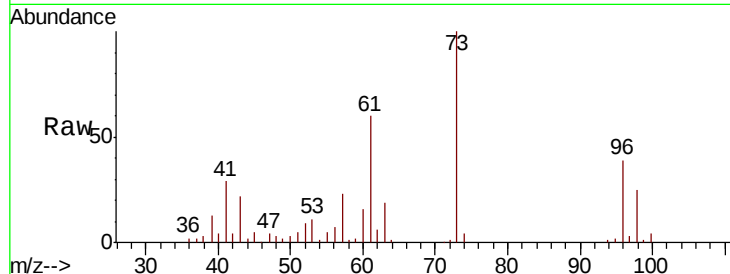
#19
Methyl tert-butyl Ether
Concen: 21.242 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN055344.D
Acq: 2 May 2019 12:28

Instrument :
MSVOA_N
ClientSampleId :
VN0502WBSD01

Tgt Ion: 73 Resp: 200980
Ion Ratio Lower Upper
73 100
57 23.0 19.1 28.7

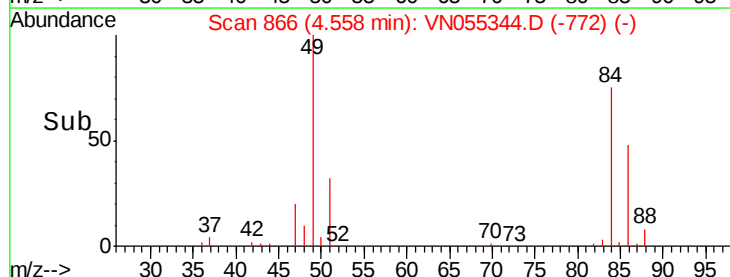
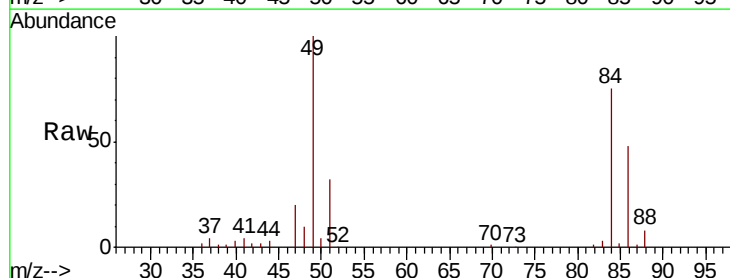
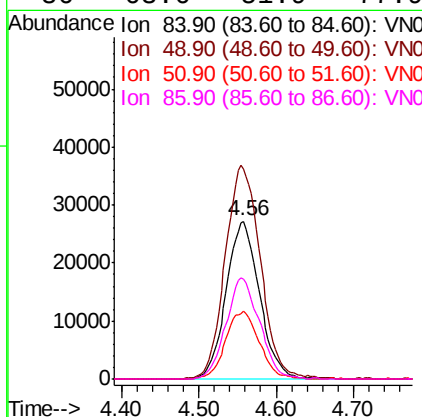
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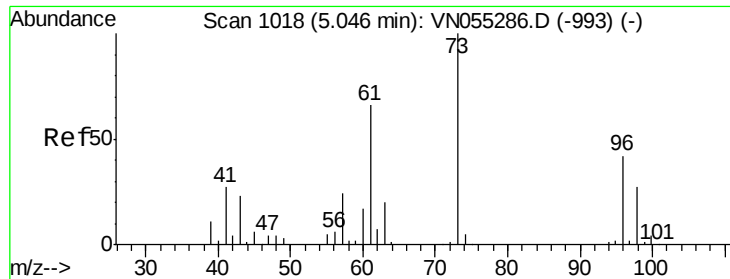
MMDadoda
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#20
Methylene Chloride
Concen: 19.248 ug/l
RT: 4.56 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN055344.D
Acq: 2 May 2019 12:28

Tgt Ion: 84 Resp: 81595
Ion Ratio Lower Upper
84 100
49 133.7 112.4 168.6
51 42.7 34.6 51.8
86 63.6 51.9 77.9





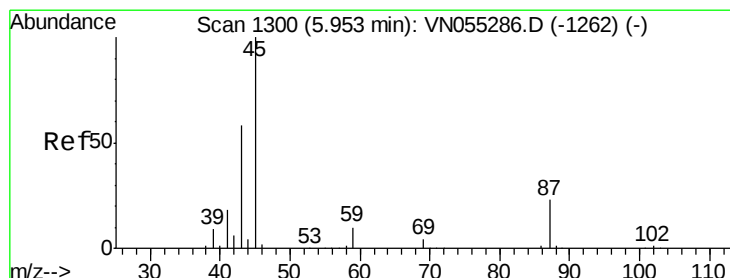
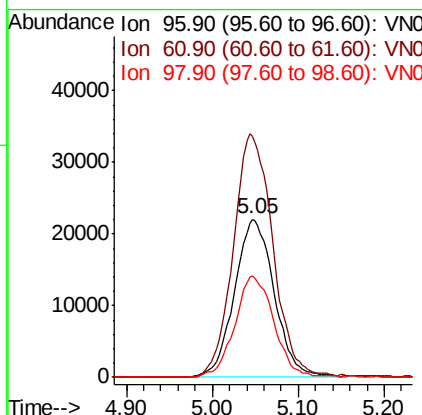
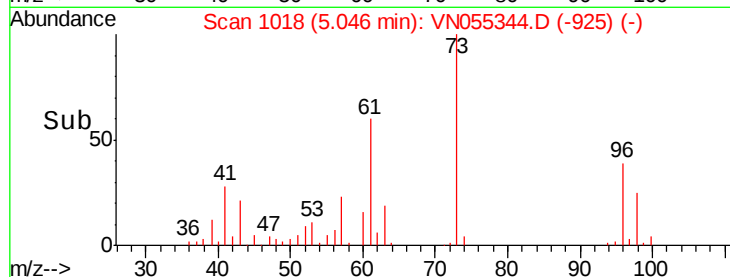
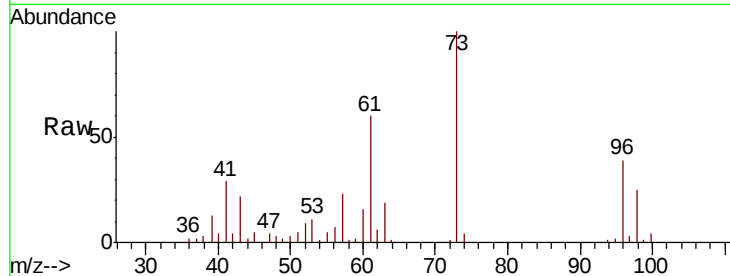
#21
trans-1,2-Dichloroethene
Concen: 19.853 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN055344.D
Acq: 2 May 2019 12:28

Instrument :
MSVOA_N
ClientSampleId :
VN0502WBSD01

Tgt Ion	Ratio	Lower	Upper
96	100		
61	152.6	126.2	189.4
98	64.1	52.2	78.2

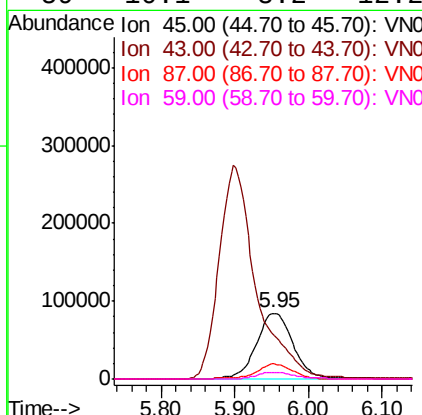
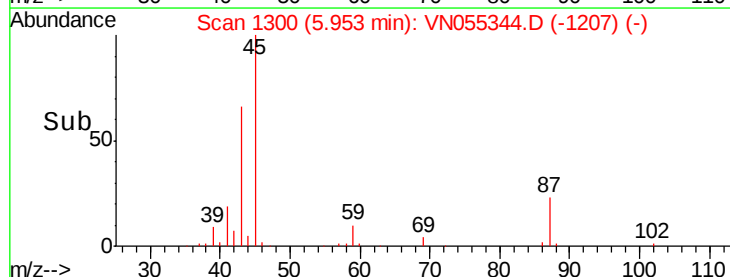
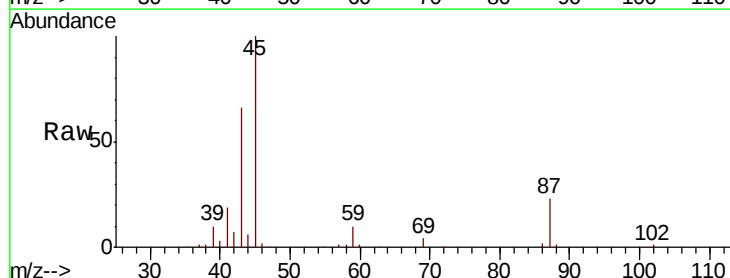
Manual Integrations
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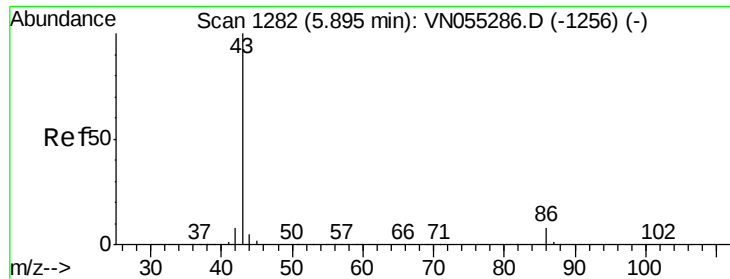
MMDadoda
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#22
Diisopropyl ether
Concen: 21.165 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN055344.D
Acq: 2 May 2019 12:28

Tgt Ion	Ratio	Lower	Upper
45	100		
43	65.4	46.6	70.0
87	22.1	18.1	27.1
59	10.1	8.2	12.2





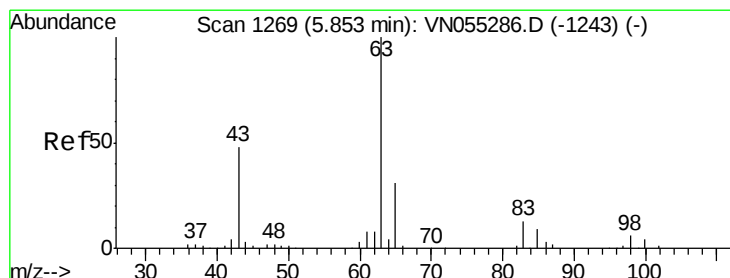
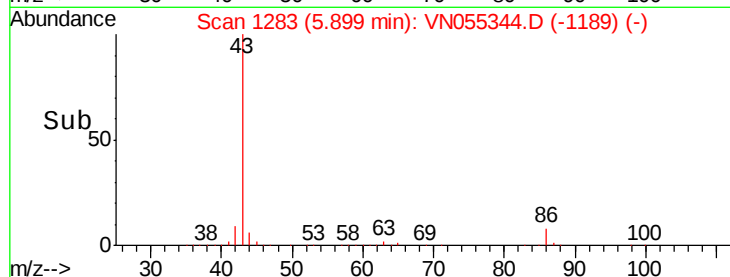
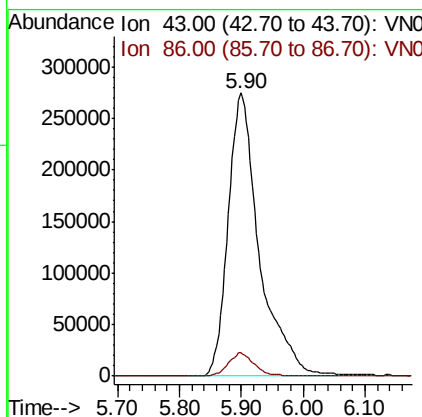
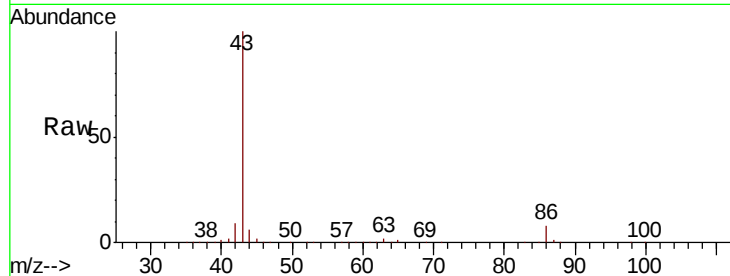
#23
 Vinyl Acetate
 Concen: 106.031 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN055344.D
 Acq: 2 May 2019 12:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0502WBSD01

Tgt Ion	Ratio	Lower	Upper
43	100		
86	8.3	6.6	10.0

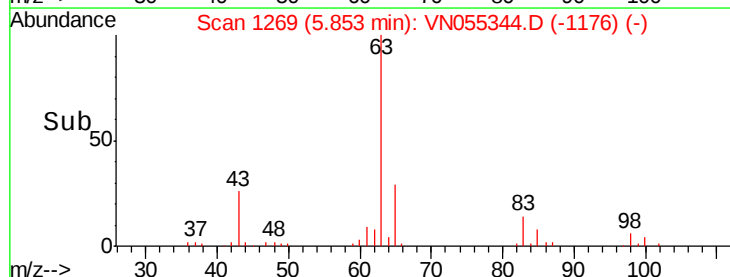
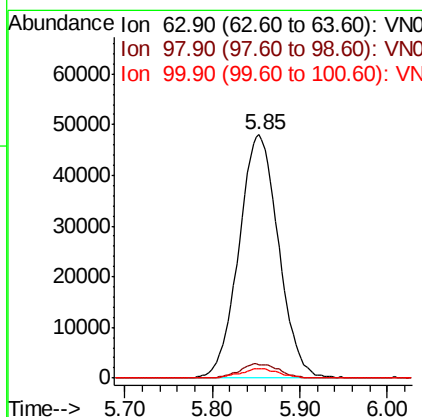
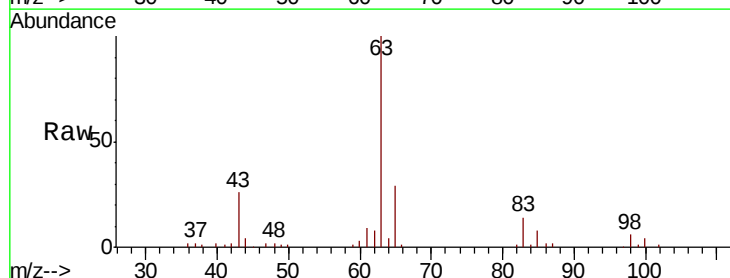
Manual Integrations
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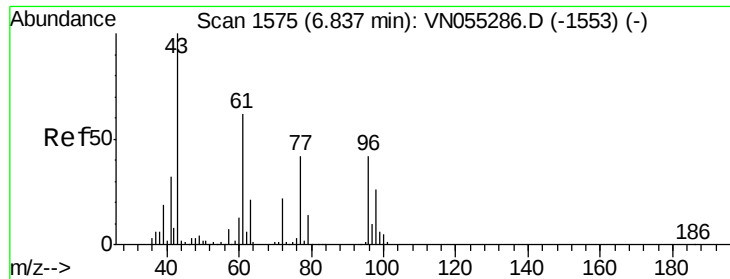
MMDadoda
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#24
 1,1-Dichloroethane
 Concen: 20.433 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN055344.D
 Acq: 2 May 2019 12:28

Tgt Ion	Ratio	Lower	Upper
63	100		
98	5.6	3.0	9.0
100	3.7	1.8	5.4





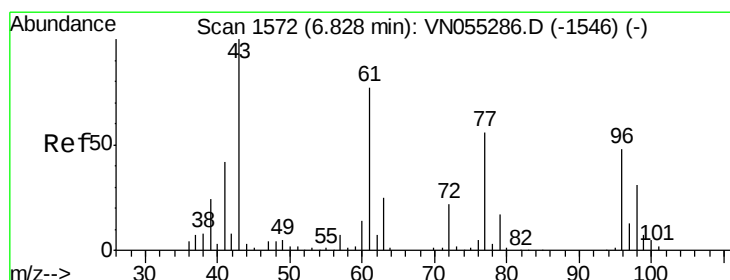
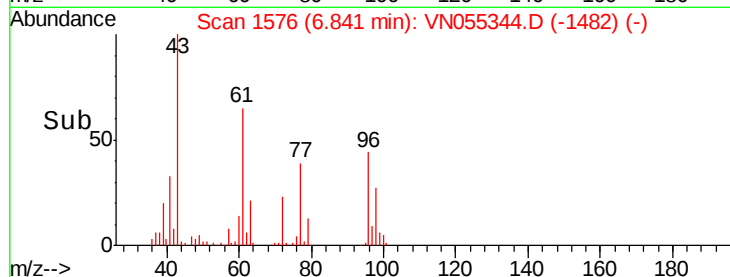
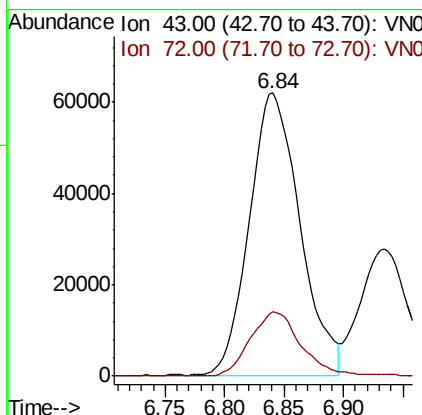
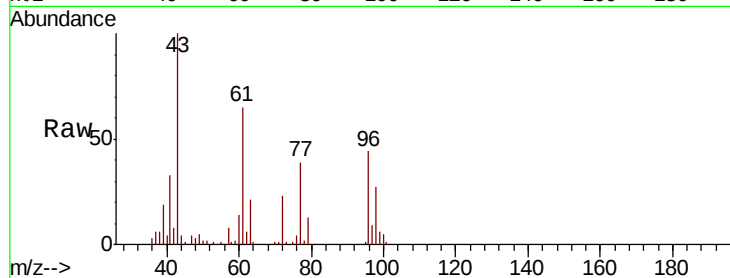
#25
2-Butanone
Concen: 102.523 ug/l
RT: 6.84 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VN055344.D
Acq: 2 May 2019 12:28

Instrument :
MSVOA_N
ClientSampled :
VN0502WBSD01

Tgt Ion: 43 Resp: 182089
Ion Ratio Lower Upper
43 100
72 22.7 18.0 27.0

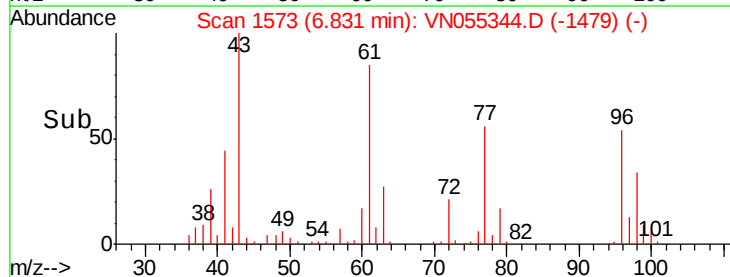
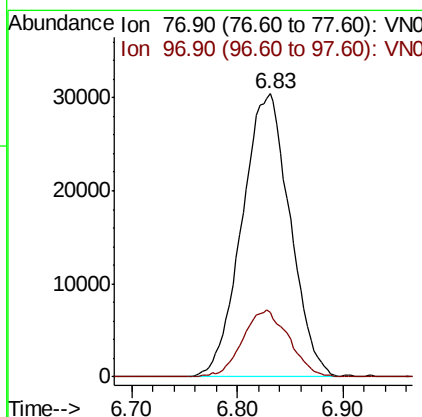
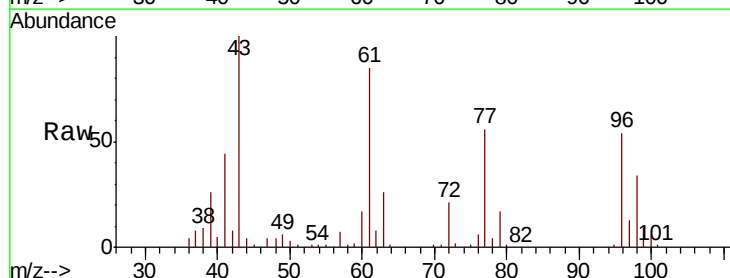
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#26
2,2-Dichloropropane
Concen: 18.897 ug/l
RT: 6.83 min Scan# 1573
Delta R.T. 0.00 min
Lab File: VN055344.D
Acq: 2 May 2019 12:28

Tgt Ion: 77 Resp: 96290
Ion Ratio Lower Upper
77 100
97 22.8 11.4 34.2





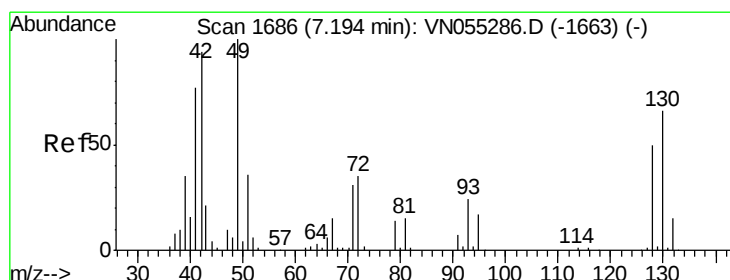
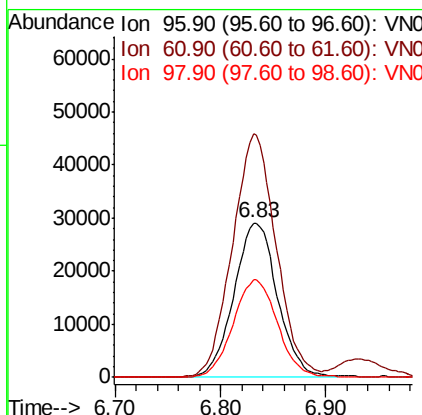
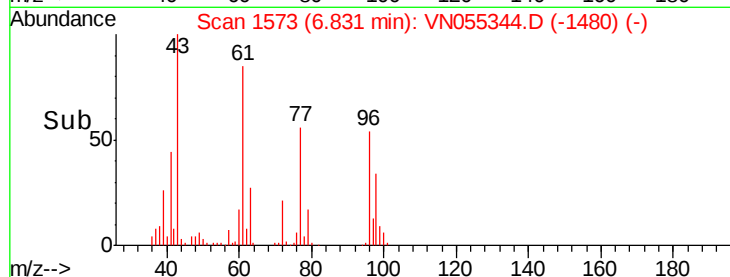
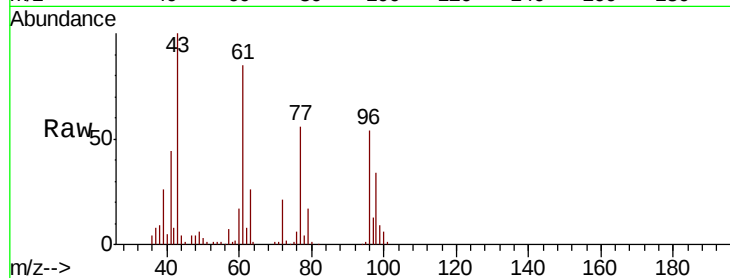
#27
 cis-1,2-Dichloroethene
 Concen: 20.576 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN055344.D
 Acq: 2 May 2019 12:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0502WBSD01

Tgt Ion: 96 Resp: 83401
 Ion Ratio Lower Upper
 96 100
 61 158.3 0.0 316.2
 98 64.7 0.0 126.6

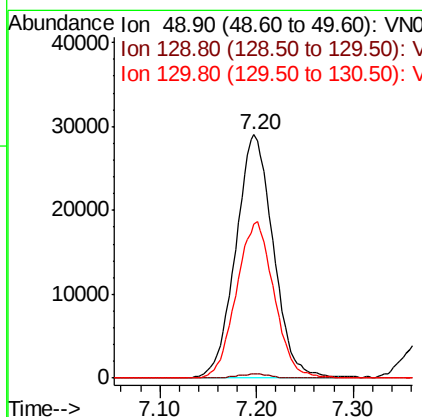
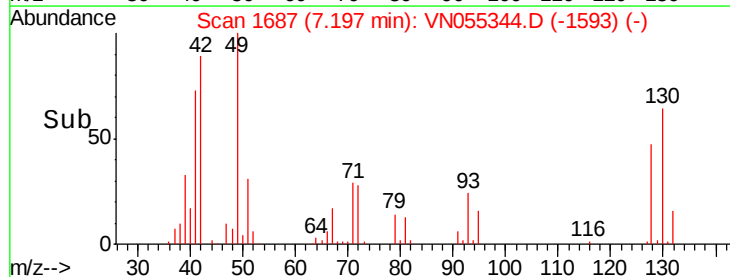
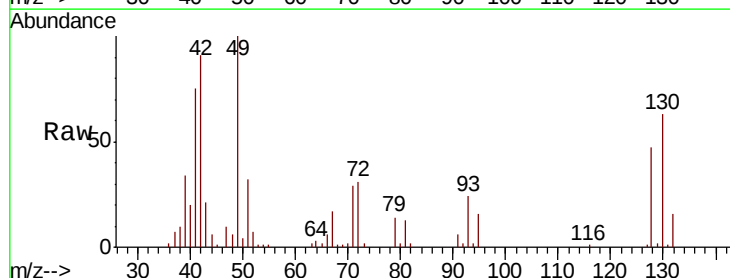
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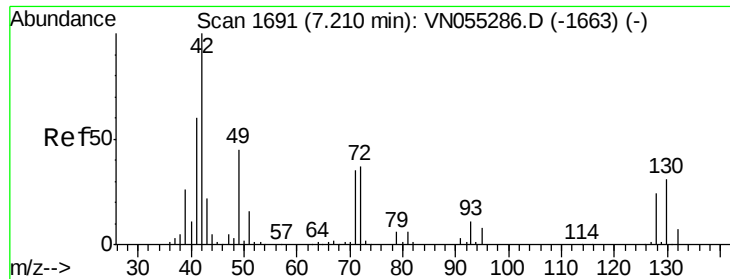
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#28
 Bromochloromethane
 Concen: 21.049 ug/l
 RT: 7.20 min Scan# 1687
 Delta R.T. 0.00 min
 Lab File: VN055344.D
 Acq: 2 May 2019 12:28

Tgt Ion: 49 Resp: 78293
 Ion Ratio Lower Upper
 49 100
 129 1.3 0.0 2.4
 130 64.4 52.0 78.0





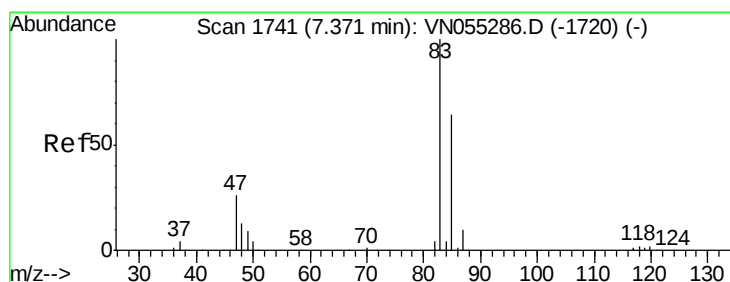
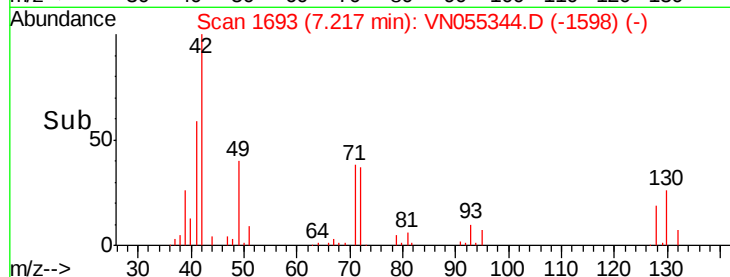
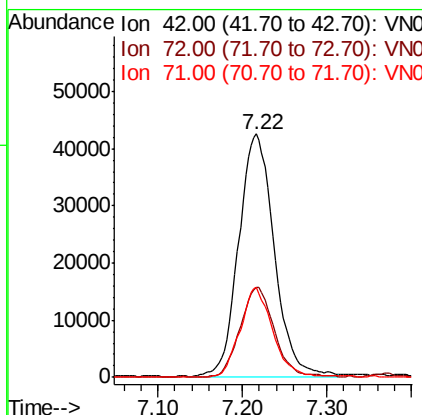
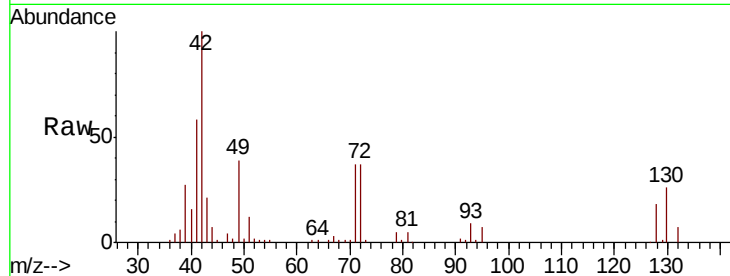
#29
Tetrahydrofuran
Concen: 109.272 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.01 min
Lab File: VN055344.D
Acq: 2 May 2019 12:28

Instrument :
MSVOA_N
ClientSampleId :
VN0502WBSD01

Tgt Ion	Ratio	Lower	Upper
42	100		
72	35.5	29.0	43.6
71	33.9	27.1	40.7

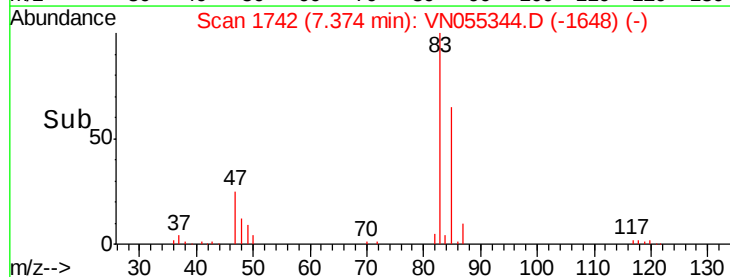
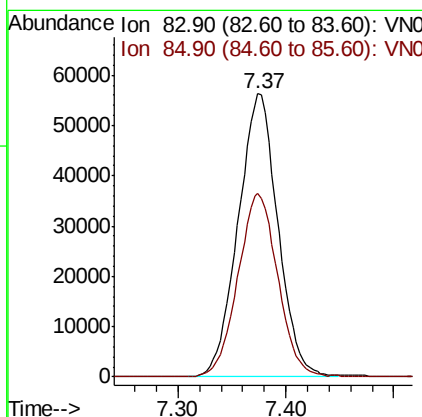
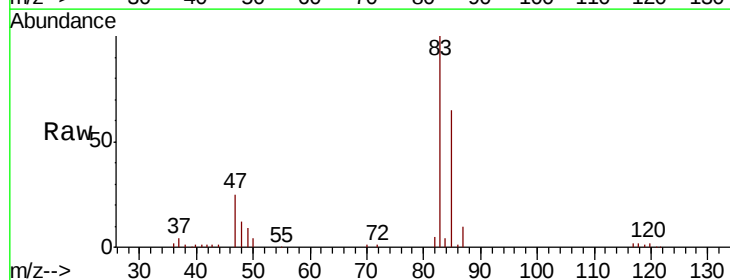
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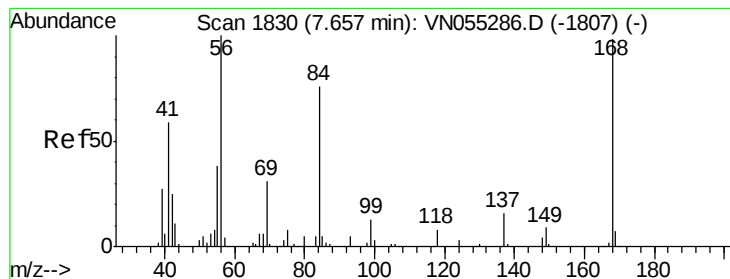
MMDadoda
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#30
Chloroform
Concen: 20.638 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN055344.D
Acq: 2 May 2019 12:28

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.0	51.4	77.2





#31

Cyclohexane

Concen: 19.494 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. -0.00 min

Lab File: VN055344.D

Acq: 2 May 2019 12:28

Instrument :

MSVOA_N

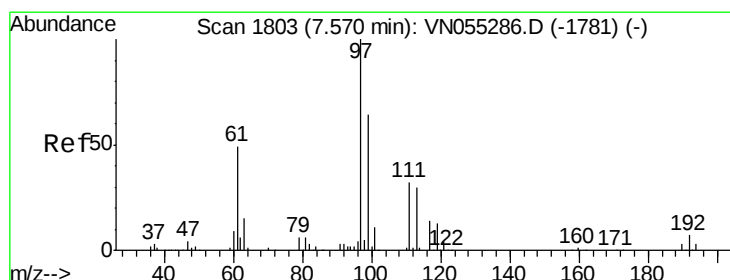
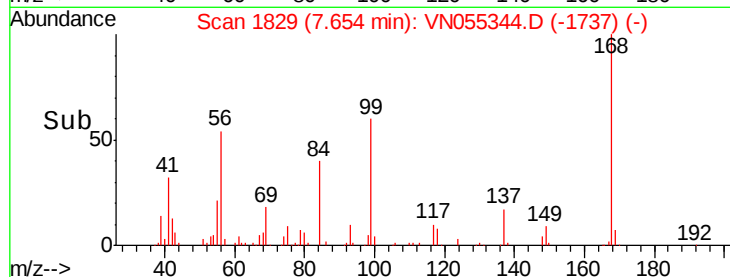
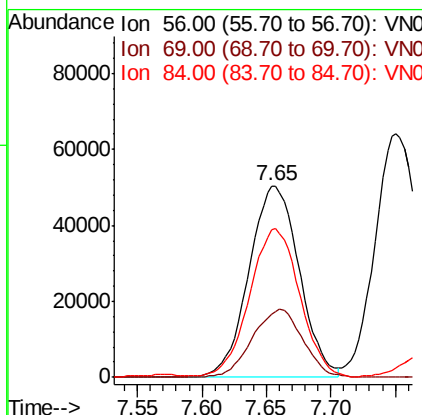
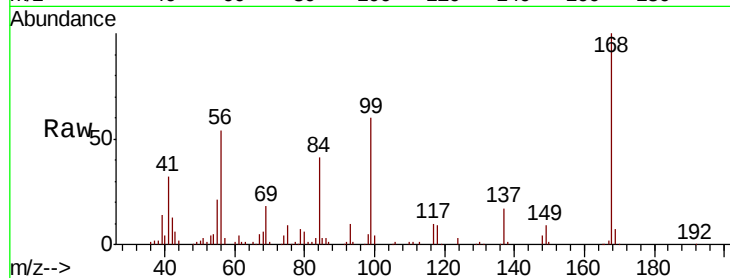
ClientSampleId :

VN0502WBSD01

Tgt Ion:	56	Resp:	136671
Ion Ratio	Lower	Upper	
56	100		
69	32.9	25.2	37.8
84	76.0	61.1	91.7

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#32

1,1,1-Trichloroethane

Concen: 20.267 ug/l

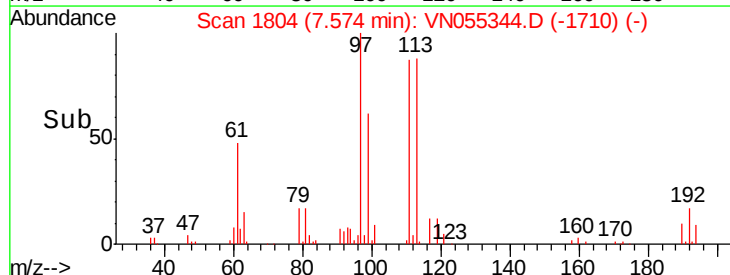
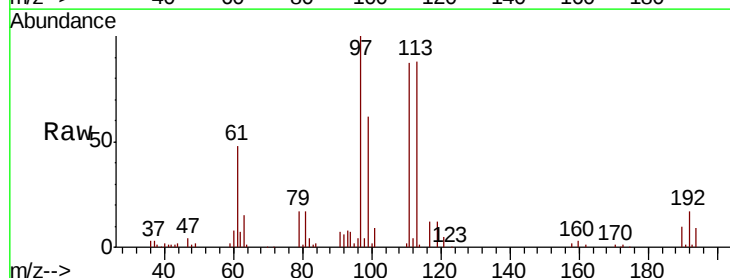
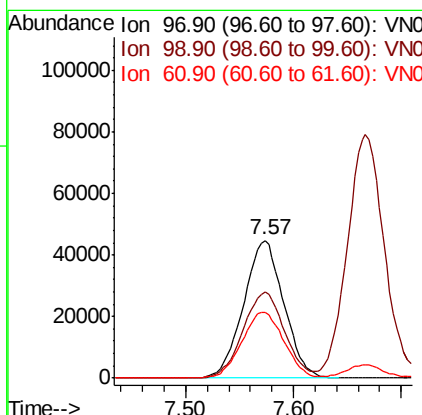
RT: 7.57 min Scan# 1804

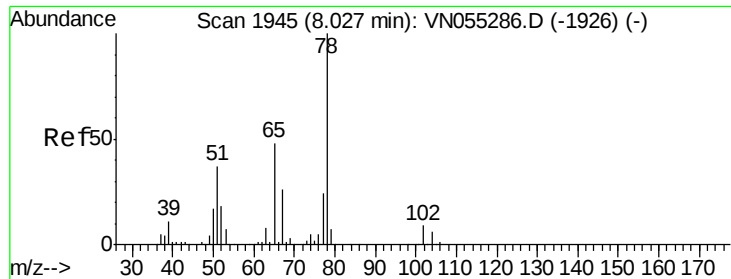
Delta R.T. 0.00 min

Lab File: VN055344.D

Acq: 2 May 2019 12:28

Tgt Ion:	97	Resp:	115061
Ion Ratio	Lower	Upper	
97	100		
99	64.8	51.8	77.8
61	50.3	39.0	58.6





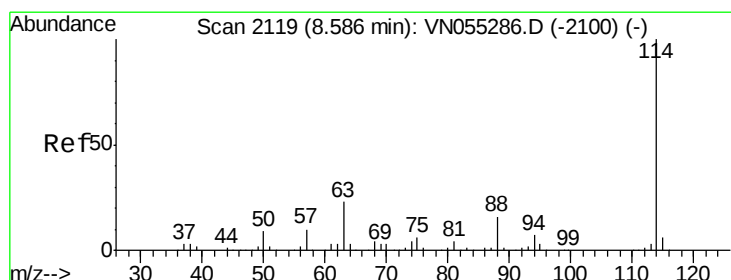
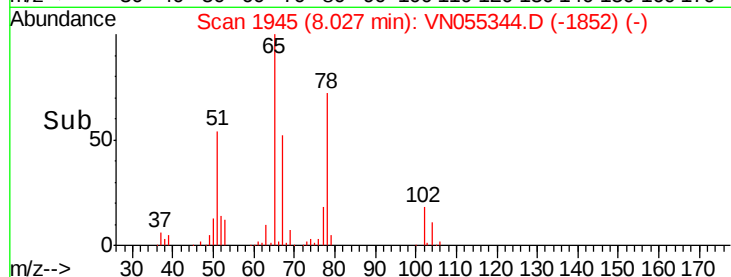
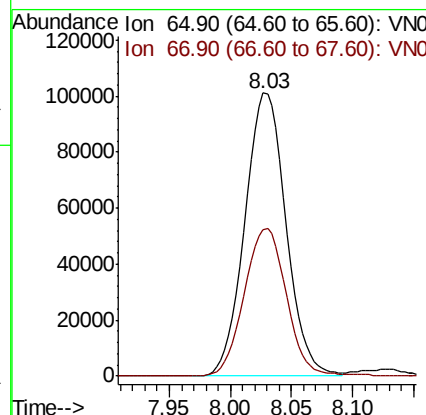
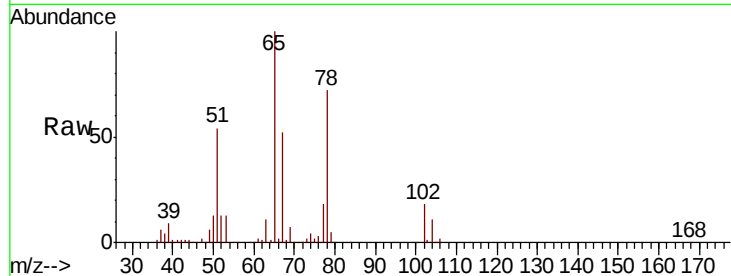
#33
 1,2-Dichloroethane-d4
 Concen: 53.026 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055344.D
 Acq: 2 May 2019 12:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0502WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	236344		
67	53.7	0.0	106.8	

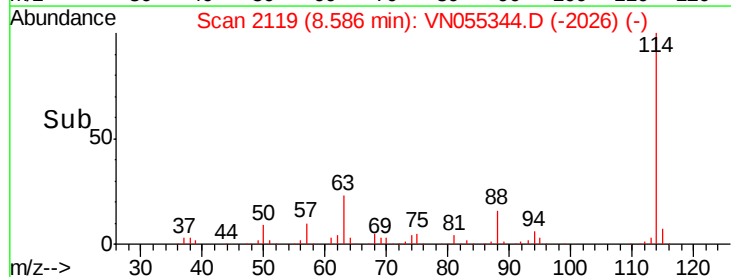
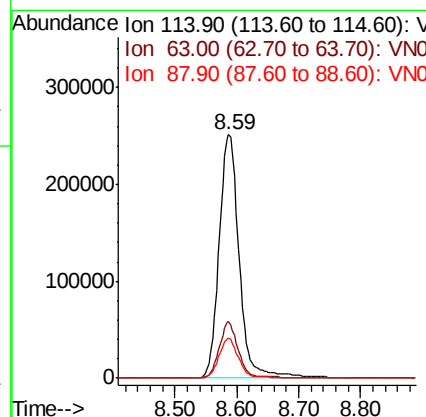
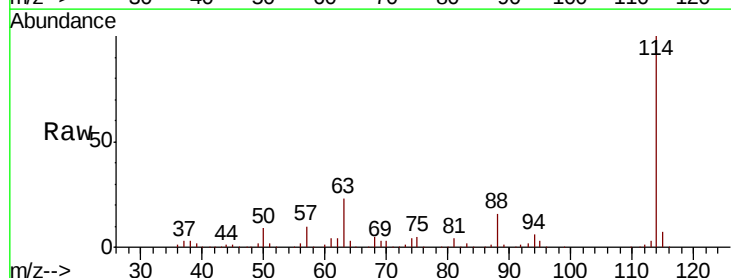
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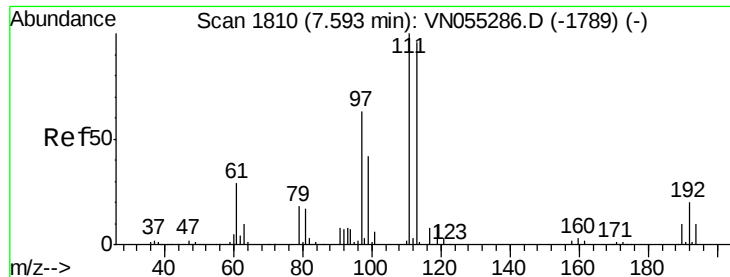
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055344.D
 Acq: 2 May 2019 12:28

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	568666		
63	23.1	0.0	45.2	
88	16.4	0.0	31.6	





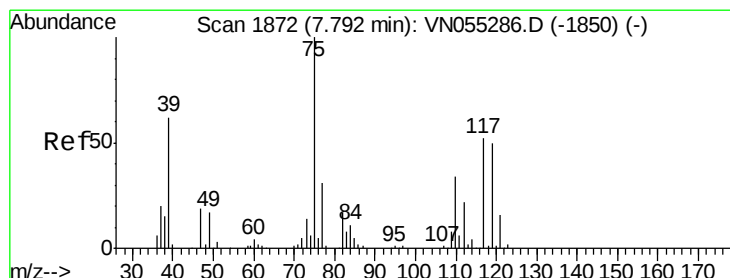
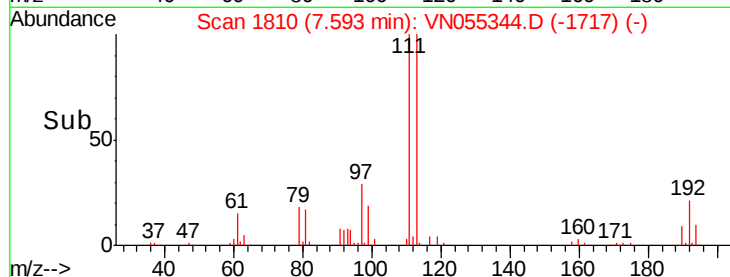
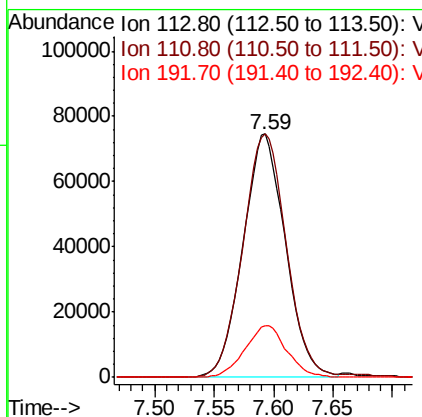
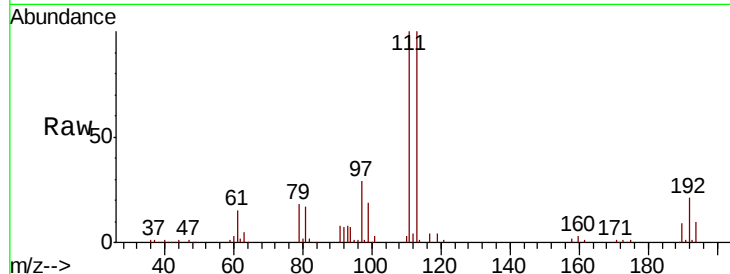
#35
 Dibromofluoromethane
 Concen: 49.416 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN055344.D
 Acq: 2 May 2019 12:28

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0502WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	184446		
111	102.3	82.3	123.5	
192	20.9	17.0	25.6	

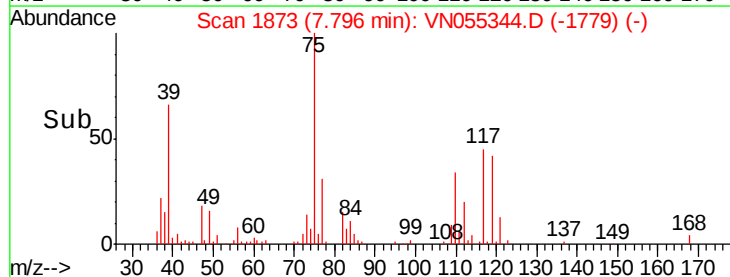
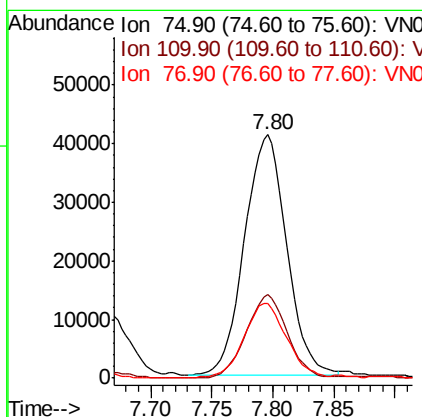
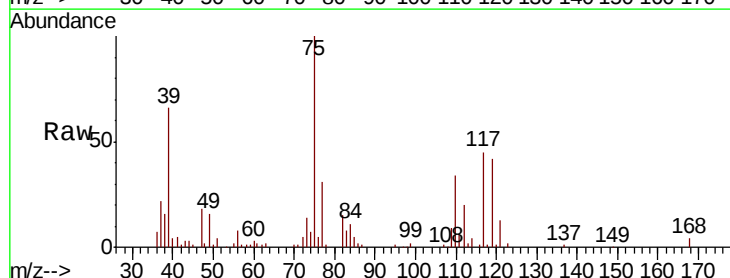
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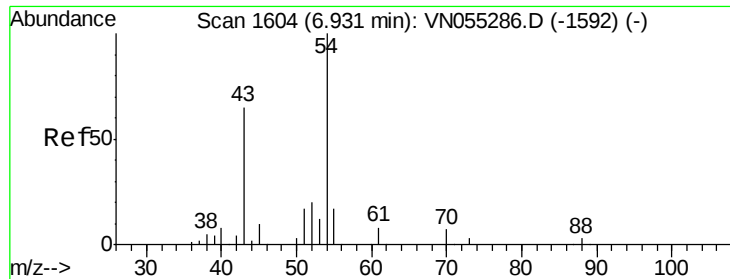
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#36
 1,1-Dichloropropene
 Concen: 17.963 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN055344.D
 Acq: 2 May 2019 12:28

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	97846		
110	33.8	16.8	50.4	
77	31.7	25.0	37.6	





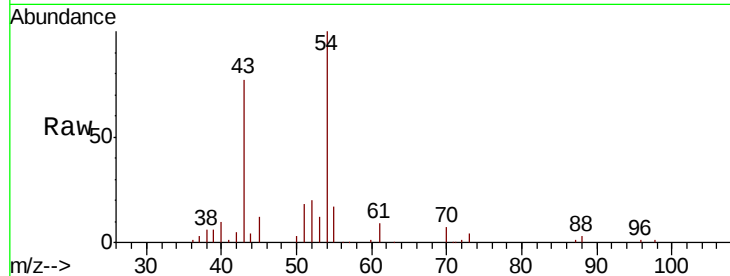
#37
 Ethyl Acetate
 Concen: 17.202 ug/l
 RT: 6.93 min Scan# 1605
 Delta R.T. 0.00 min
 Lab File: VN055344.D
 Acq: 2 May 2019 12:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0502WBSD01

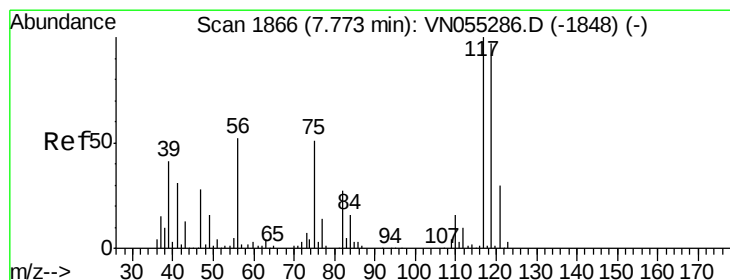
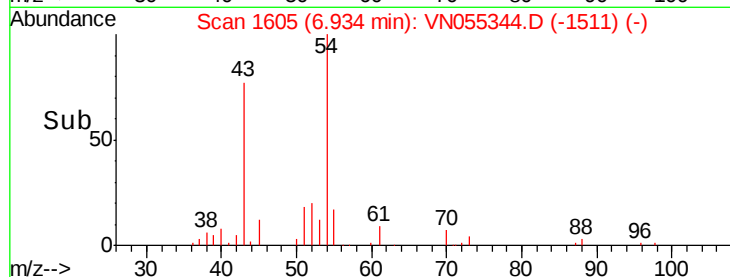
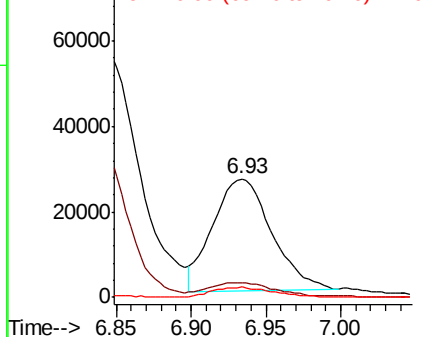
Tgt Ion	Ratio	Lower	Upper
43	100		
61	13.0	10.4	15.6
70	9.5	6.6	10.0

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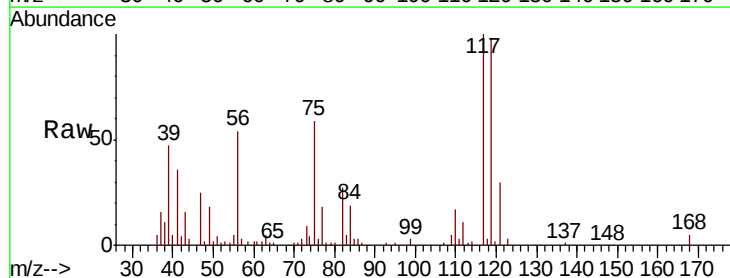


Abundance Ion 43.00 (42.70 to 43.70): VN055286.D (-1592) (-)
 Ion 60.90 (60.60 to 61.60): VN055286.D (-1592) (-)
 Ion 70.00 (69.70 to 70.70): VN055286.D (-1592) (-)

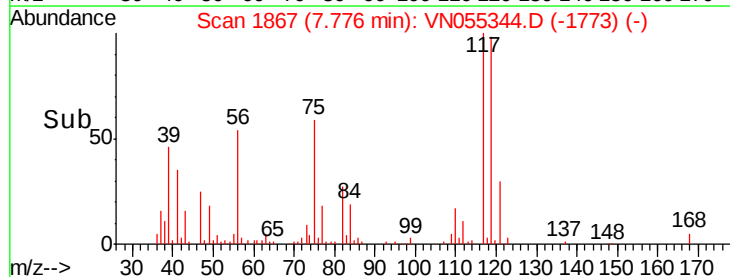
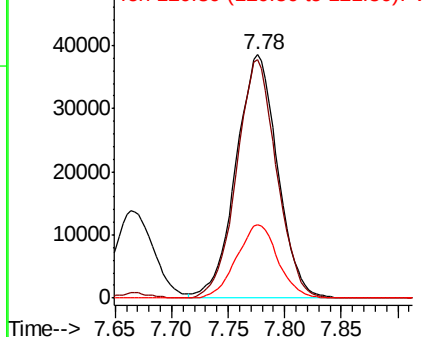


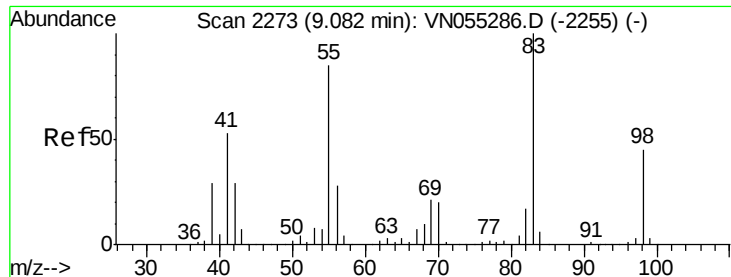
#38
 Carbon Tetrachloride
 Concen: 18.701 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN055344.D
 Acq: 2 May 2019 12:28

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.0	77.0	115.6
121	30.3	23.8	35.8



Abundance Ion 116.80 (116.50 to 117.50): VN055286.D (-1848) (-)
 Ion 118.80 (118.50 to 119.50): VN055286.D (-1848) (-)
 Ion 120.80 (120.50 to 121.50): VN055286.D (-1848) (-)





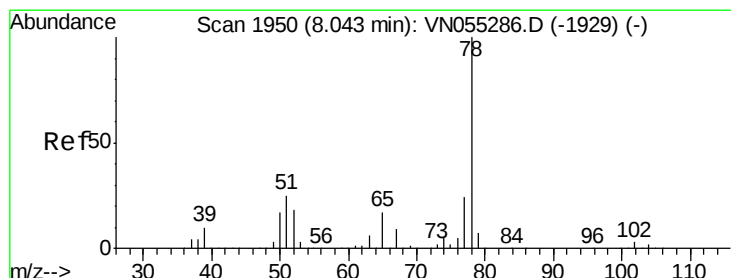
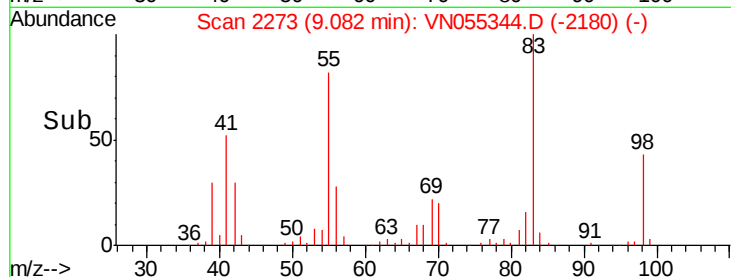
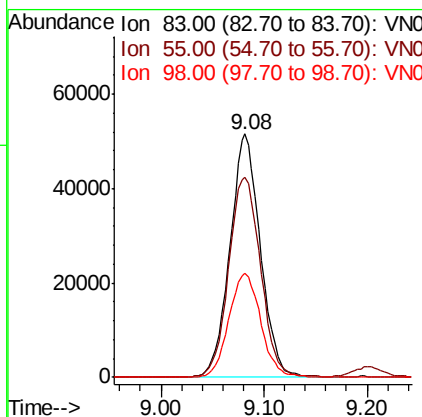
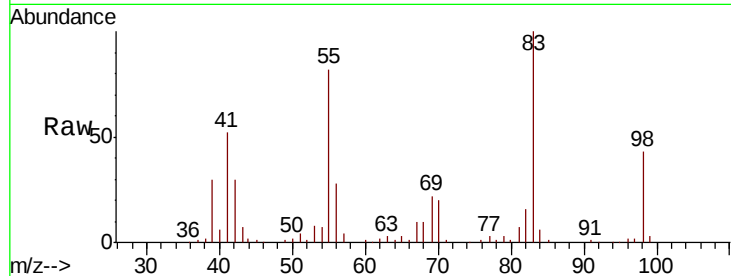
#39
Methylcyclohexane
Concen: 18.270 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN055344.D
Acq: 2 May 2019 12:28

Instrument :
MSVOA_N
ClientSampleId :
VN0502WBSD01

Tgt Ion	Ratio	Lower	Upper
83	100		
55	82.0	67.8	101.6
98	42.5	36.2	54.4

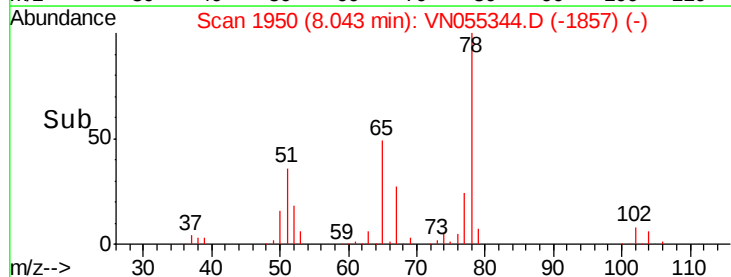
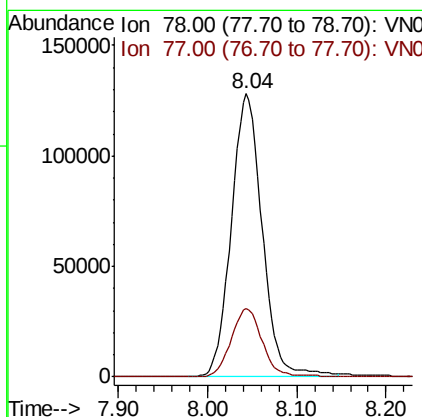
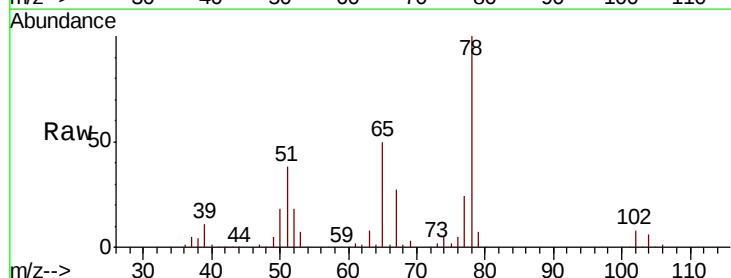
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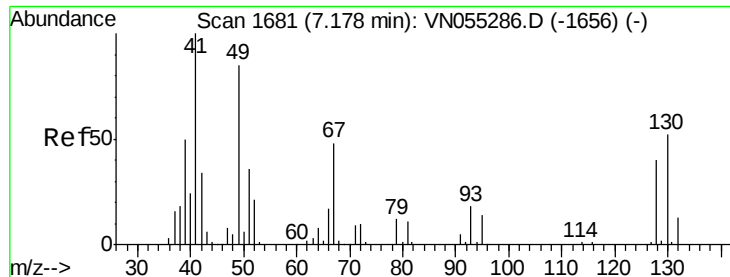
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#40
Benzene
Concen: 19.236 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN055344.D
Acq: 2 May 2019 12:28

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.3	19.0	28.6





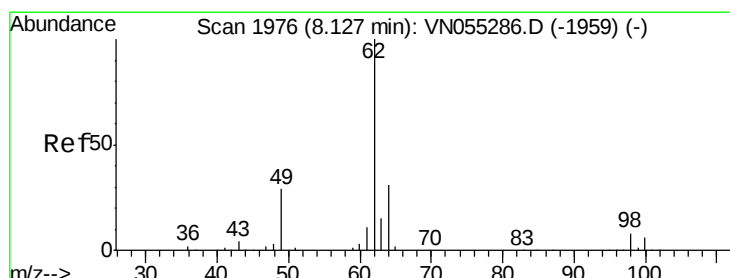
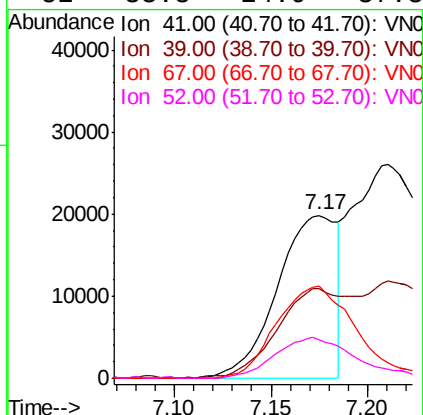
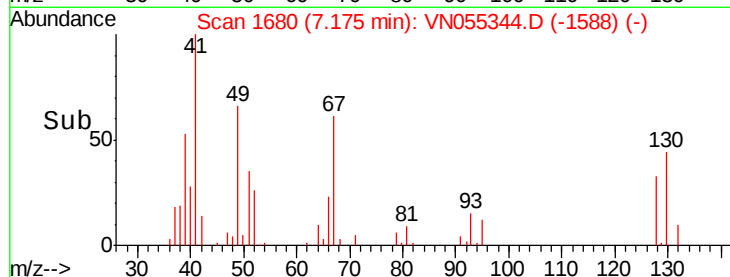
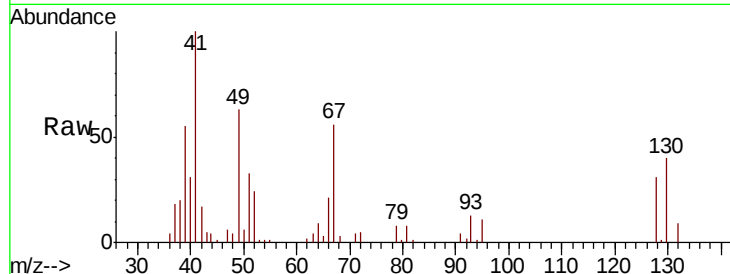
#41
Methacrylonitrile
Concen: 19.312 ug/l
RT: 7.17 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN055344.D
Acq: 2 May 2019 12:28

Instrument :
MSVOA_N
ClientSampled :
VN0502WBSD01

Tgt Ion	Ratio	Lower	Upper
41	100		
39	63.4	48.5	72.7
67	74.7	54.9	82.3
52	33.8	24.9	37.3

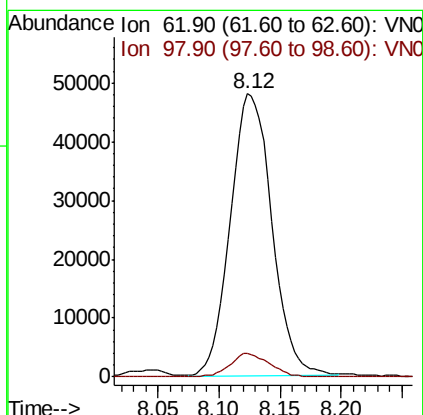
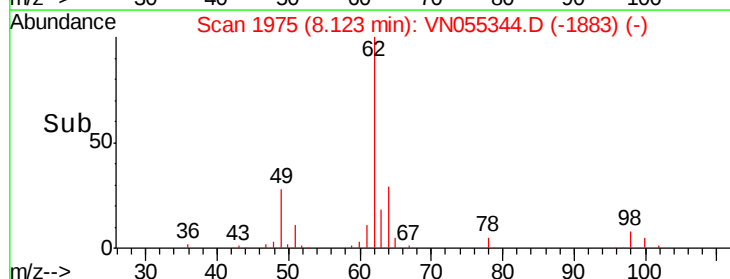
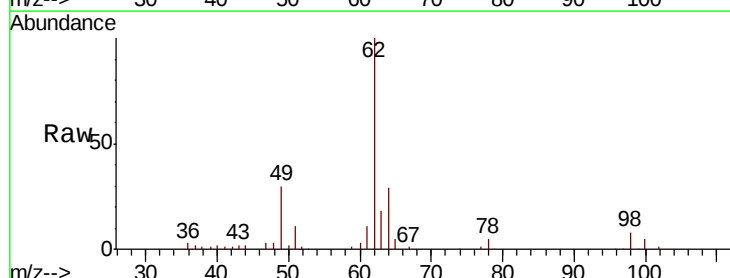
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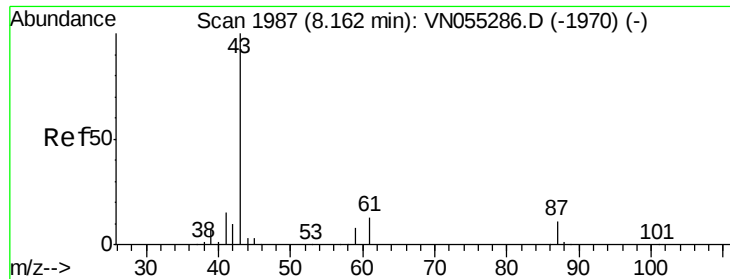
MMDadoda
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#42
1,2-Dichloroethane
Concen: 19.889 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN055344.D
Acq: 2 May 2019 12:28

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.9	0.0	16.4





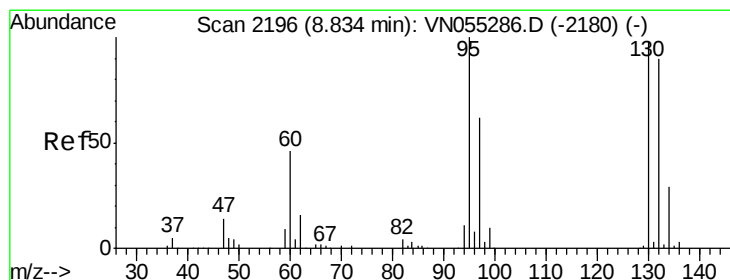
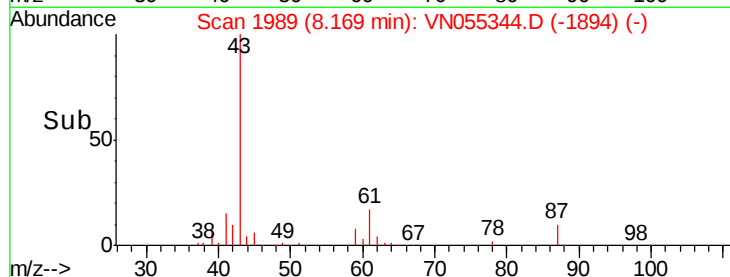
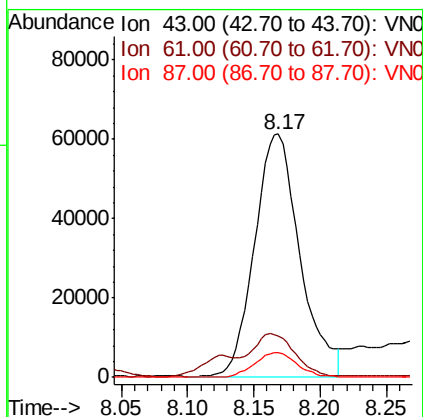
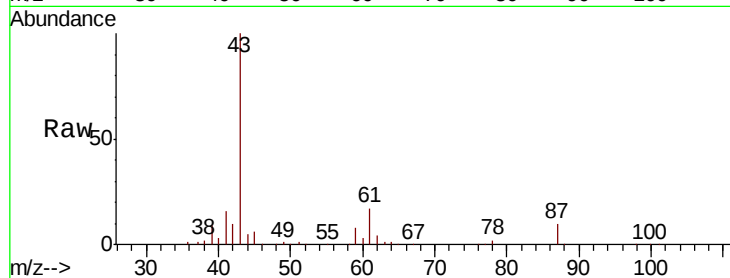
#43
Isopropyl Acetate
Concen: 21.687 ug/l
RT: 8.17 min Scan# 1989
Delta R.T. 0.01 min
Lab File: VN055344.D
Acq: 2 May 2019 12:28

Instrument :
MSVOA_N
ClientSampleId :
VN0502WBSD01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	15.6	20.8	31.2#
87	9.8	8.5	12.7

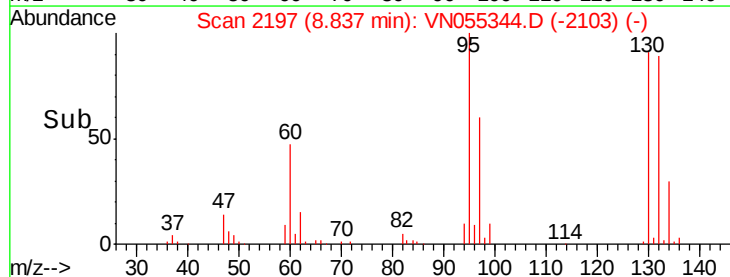
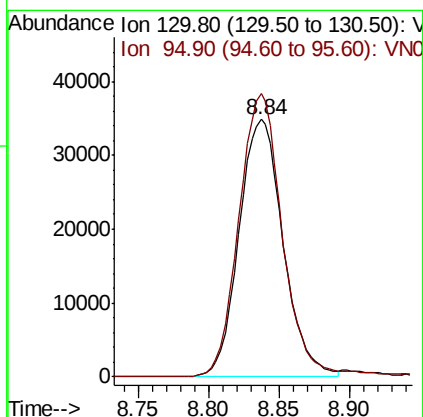
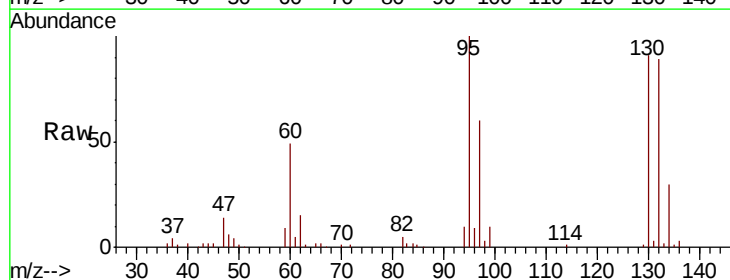
Manual Integrations
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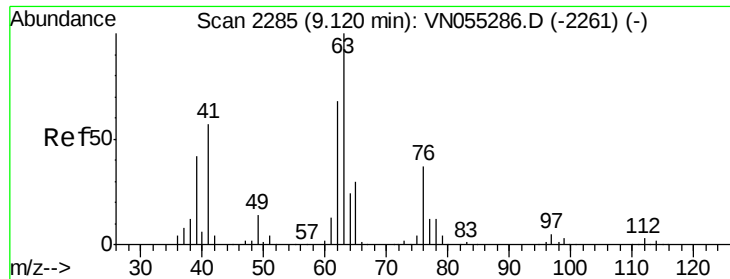
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5/3/2019 1:09:21 PM



#44
Trichloroethene
Concen: 18.638 ug/l
RT: 8.84 min Scan# 2197
Delta R.T. 0.00 min
Lab File: VN055344.D
Acq: 2 May 2019 12:28

Tgt Ion	Ratio	Lower	Upper
130	100		
95	109.9	0.0	203.4





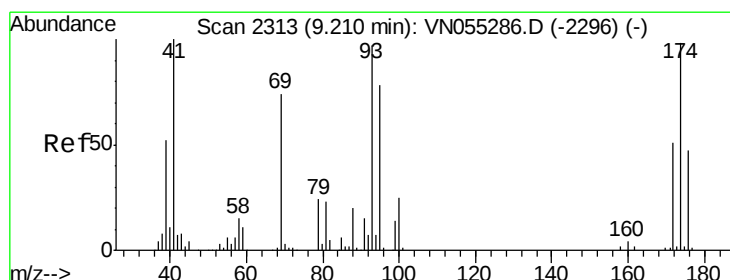
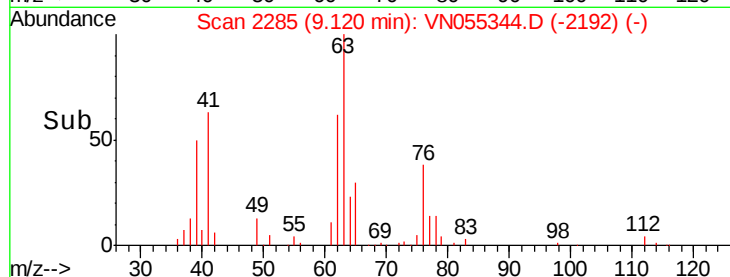
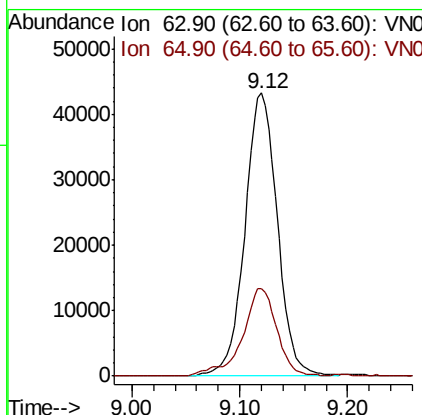
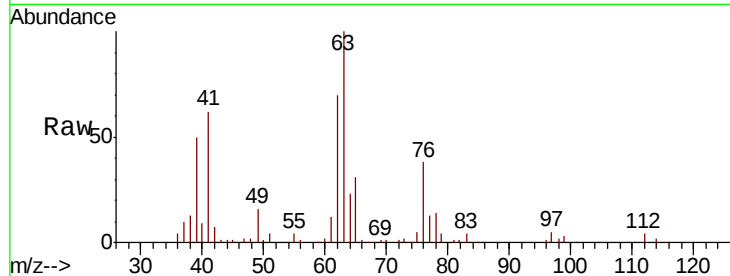
#45
 1,2-Dichloropropane
 Concen: 19.558 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN055344.D
 Acq: 2 May 2019 12:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0502WBSD01

Tgt Ion: 63 Resp: 90577
 Ion Ratio Lower Upper
 63 100
 65 30.6 23.9 35.9

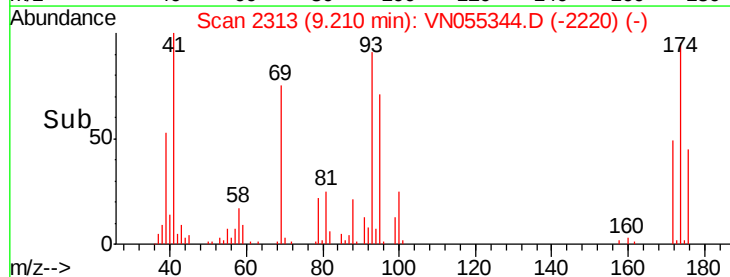
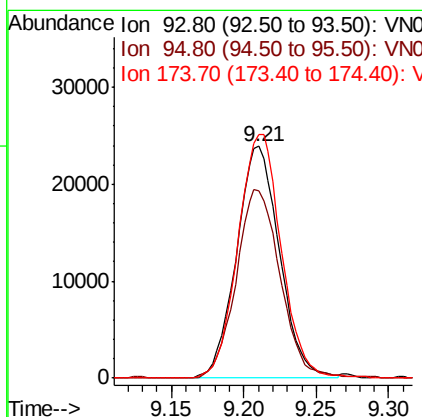
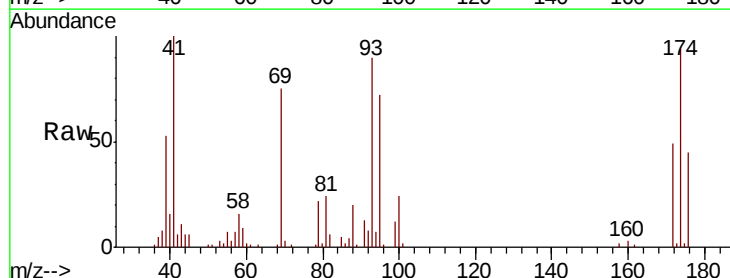
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#46
 Dibromomethane
 Concen: 19.527 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN055344.D
 Acq: 2 May 2019 12:28

Tgt Ion: 93 Resp: 49431
 Ion Ratio Lower Upper
 93 100
 95 83.1 65.7 98.5
 174 105.5 81.5 122.3





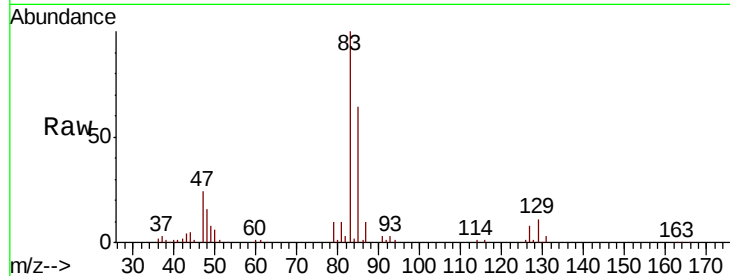
#47
Bromodichloromethane
Concen: 19.866 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN055344.D
Acq: 2 May 2019 12:28

Instrument :
MSVOA_N
ClientSampled :
VN0502WBSD01

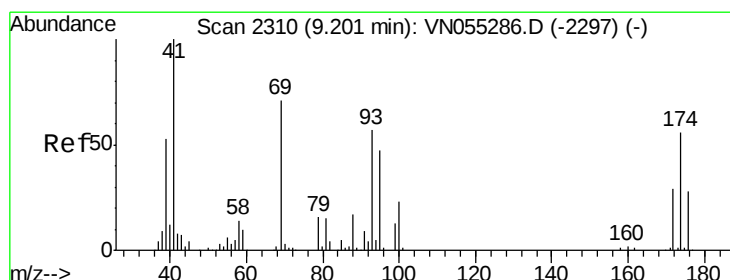
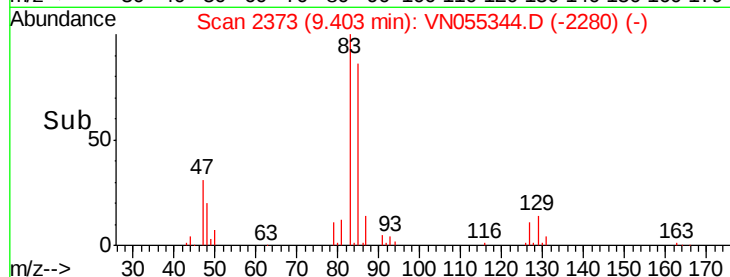
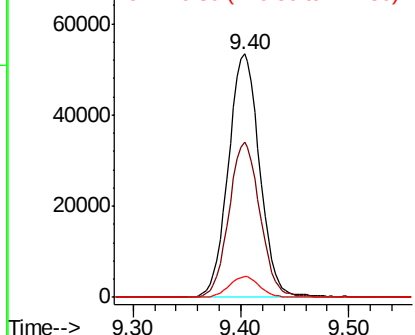
Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.9	50.1	75.1
127	8.4	6.7	10.1

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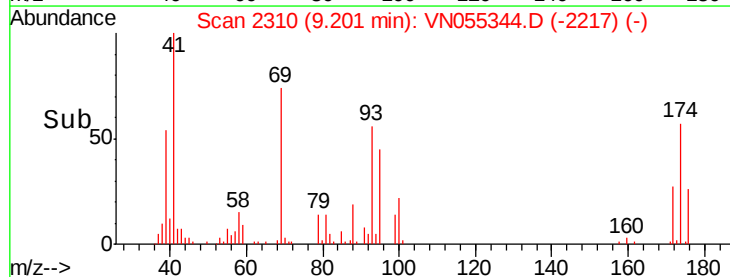
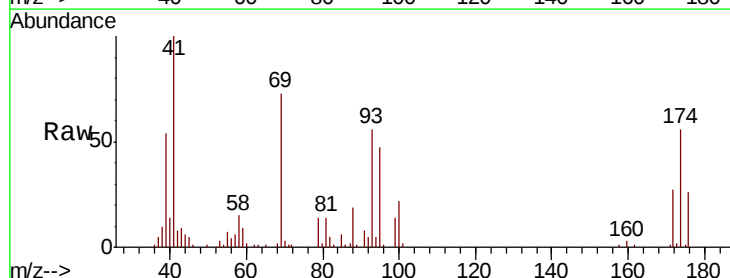
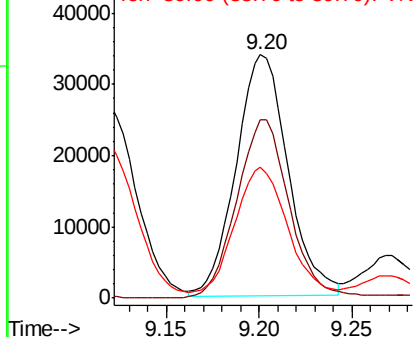
Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): V

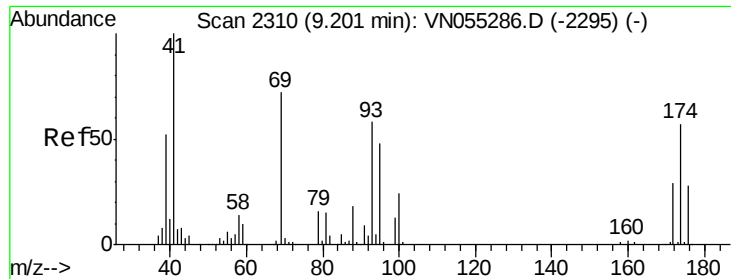


#48
Methyl methacrylate
Concen: 19.957 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN055344.D
Acq: 2 May 2019 12:28

Tgt Ion	Ratio	Lower	Upper
41	100		
69	74.9	58.6	87.8
39	55.0	43.8	65.6

Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0





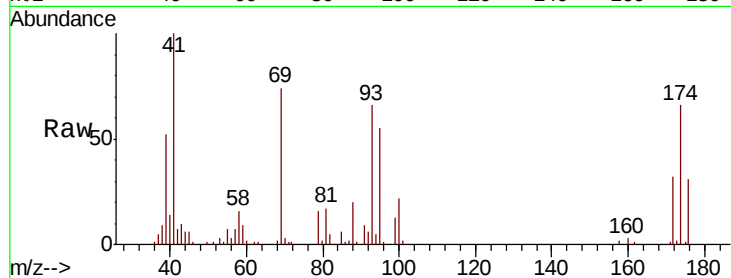
#49
1,4-Dioxane
Concen: 403.772 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN055344.D
Acq: 2 May 2019 12:28

Instrument :
MSVOA_N
ClientSampled :
VN0502WBSD01

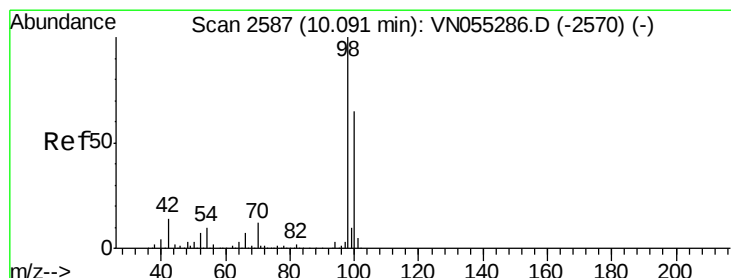
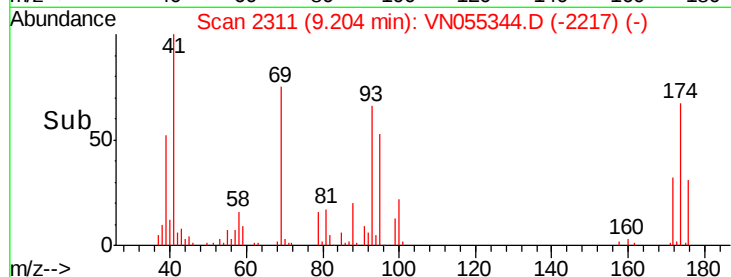
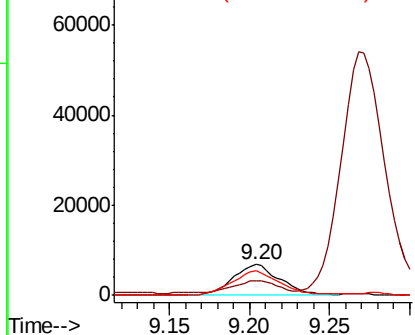
Tgt Ion	Ratio	Lower	Upper
88	100		
43	36.2	33.3	49.9
58	81.0	62.7	94.1

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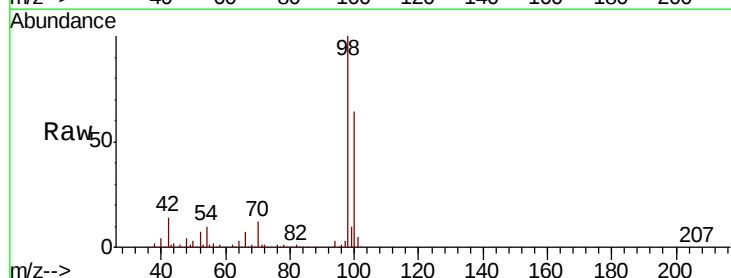


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

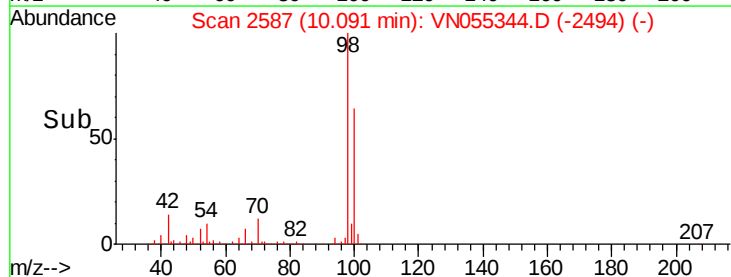
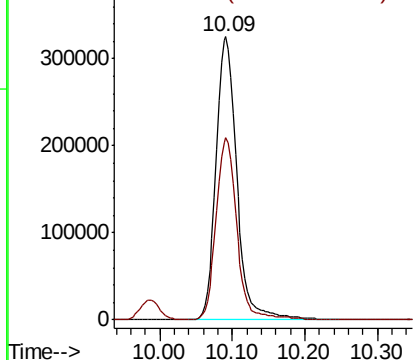


#50
Toluene-d8
Concen: 48.241 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN055344.D
Acq: 2 May 2019 12:28

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.5	51.7	77.5



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





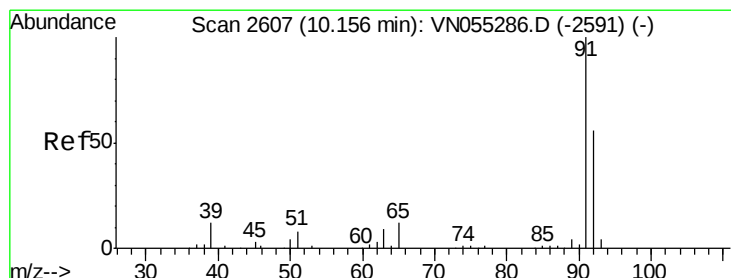
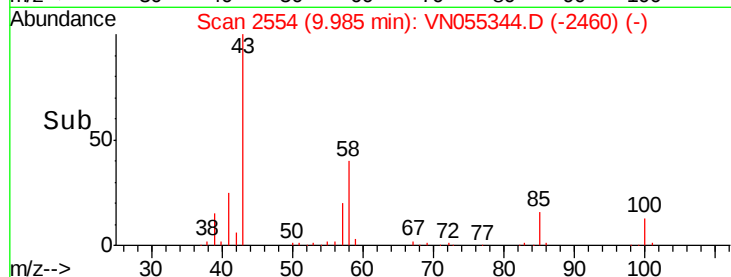
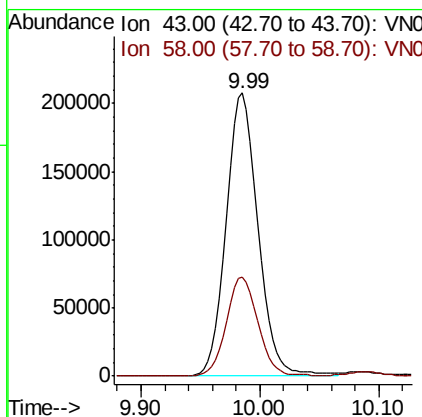
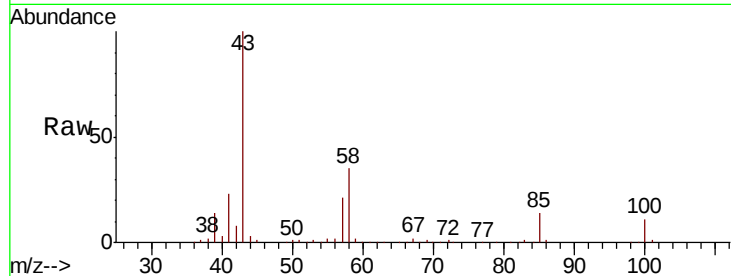
#51
4-Methyl-2-Pentanone
Concen: 101.560 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN055344.D
Acq: 2 May 2019 12:28

Instrument :
MSVOA_N
ClientSampleId :
VN0502WBSD01

Tgt Ion: 43 Resp: 383611
Ion Ratio Lower Upper
43 100
58 35.0 28.5 42.7

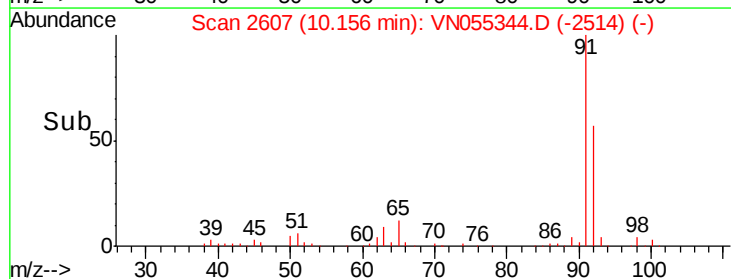
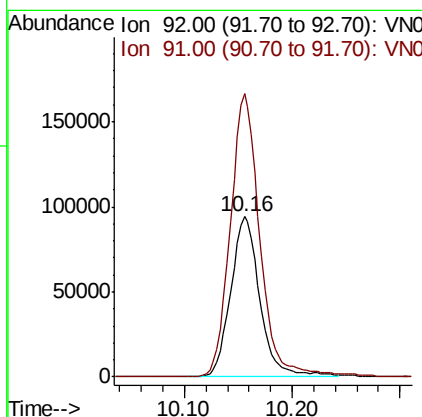
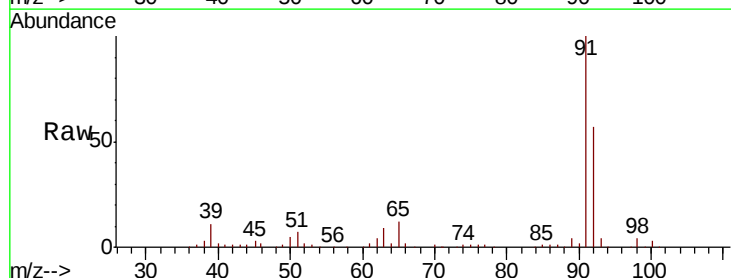
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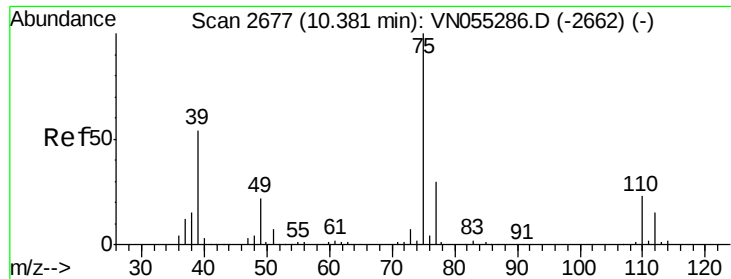
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#52
Toluene
Concen: 19.347 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN055344.D
Acq: 2 May 2019 12:28

Tgt Ion: 92 Resp: 178249
Ion Ratio Lower Upper
92 100
91 179.1 140.1 210.1





#53

t-1,3-Dichloropropene

Concen: 19.357 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN055344.D

Acq: 2 May 2019 12:28

Instrument :

MSVOA_N

ClientSampleId :

VN0502WBSD01

Tgt Ion: 75 Resp: 91255

Ion Ratio Lower Upper

75 100

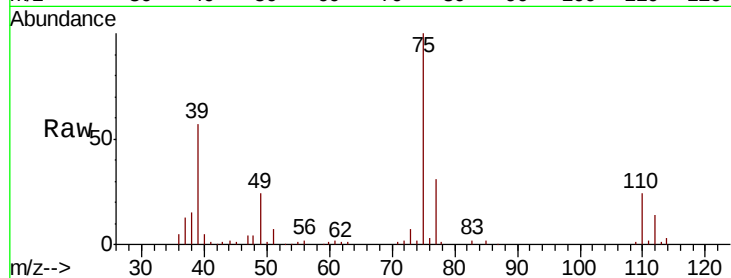
77 30.1 24.4 36.6

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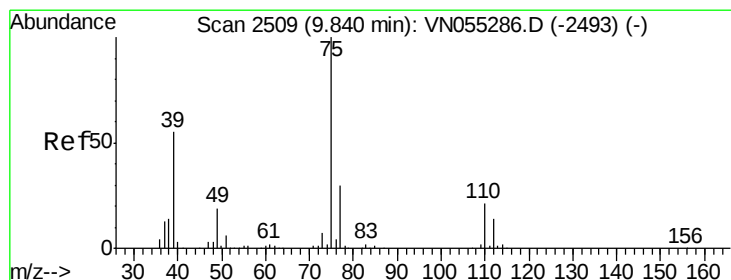
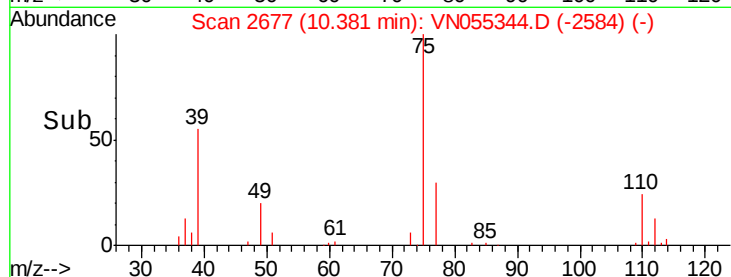
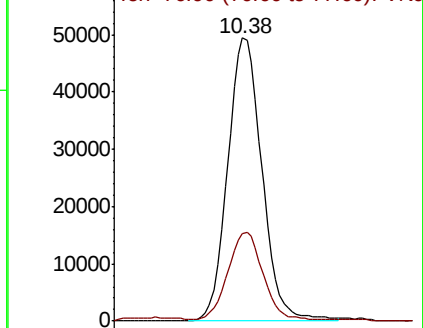
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Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 19.529 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN055344.D

Acq: 2 May 2019 12:28

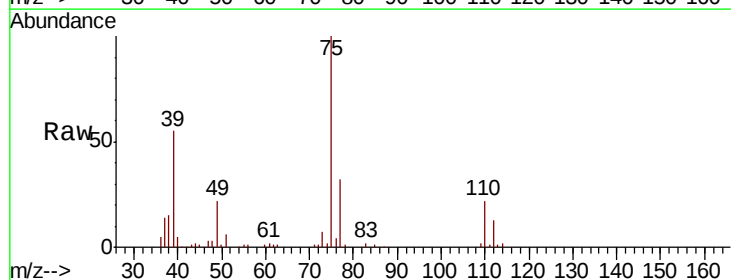
Tgt Ion: 75 Resp: 114789

Ion Ratio Lower Upper

75 100

77 32.0 24.2 36.2

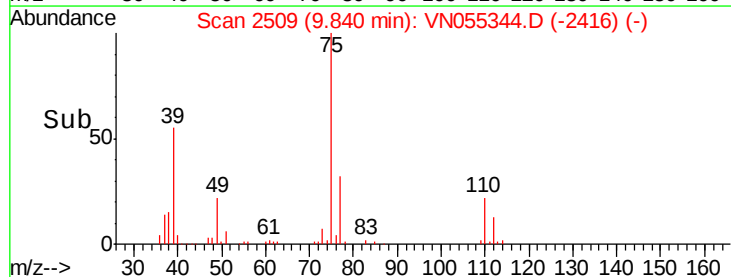
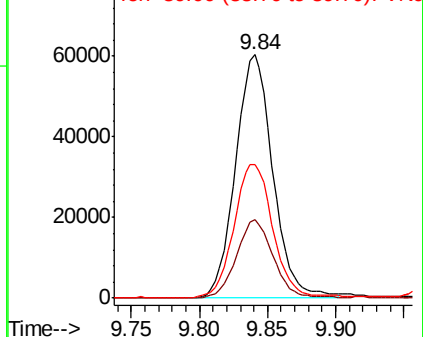
39 54.5 44.2 66.2

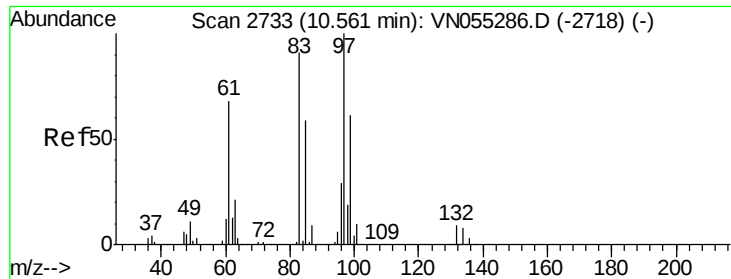


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





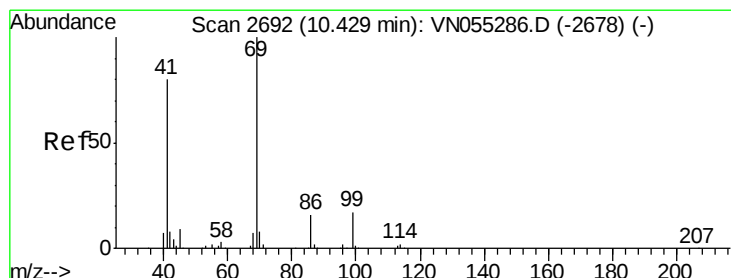
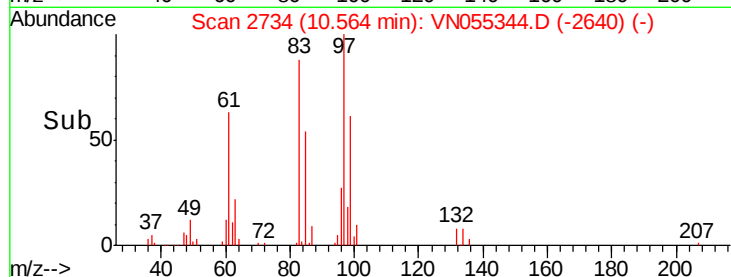
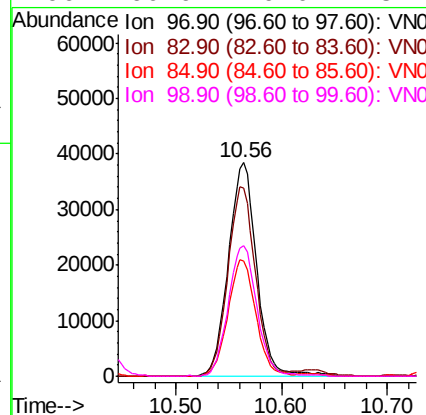
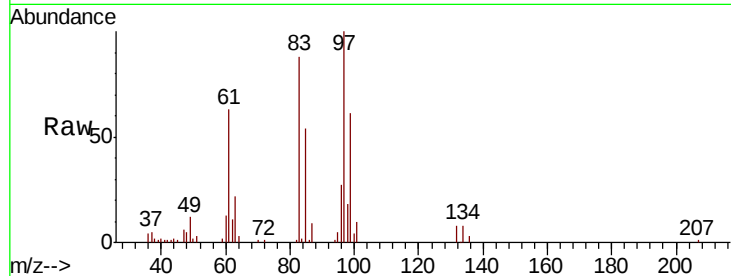
#55
 1,1,2-Trichloroethane
 Concen: 20.850 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN055344.D
 Acq: 2 May 2019 12:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0502WBSD01

Tgt Ion:	97	Resp:	71332
Ion	Ratio	Lower	Upper
97	100		
83	88.2	72.8	109.2
85	53.8	47.0	70.6
99	60.9	49.0	73.4

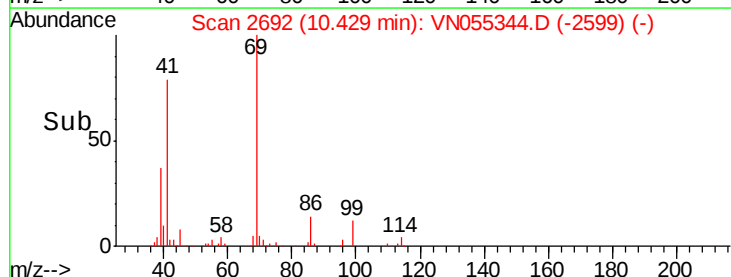
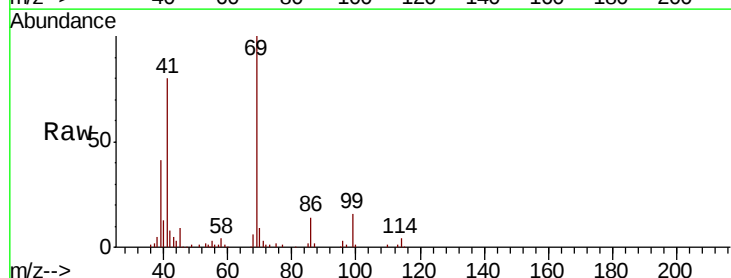
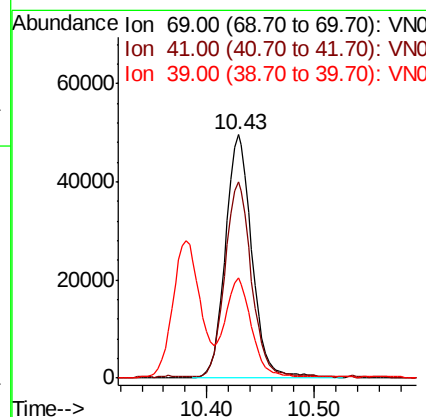
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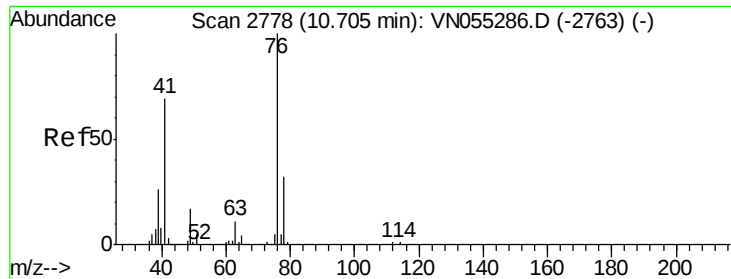
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#56
 Ethyl methacrylate
 Concen: 20.161 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN055344.D
 Acq: 2 May 2019 12:28

Tgt Ion:	69	Resp:	84898
Ion	Ratio	Lower	Upper
69	100		
41	80.7	62.7	94.1
39	40.3	32.0	48.0





#57

1,3-Dichloropropane

Concen: 20.193 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN055344.D

Acq: 2 May 2019 12:28

Instrument :

MSVOA_N

ClientSampleId :

VN0502WBSD01

Tgt Ion: 76 Resp: 121195

Ion Ratio Lower Upper

76 100

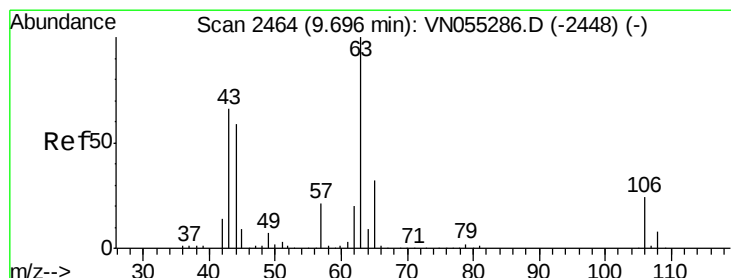
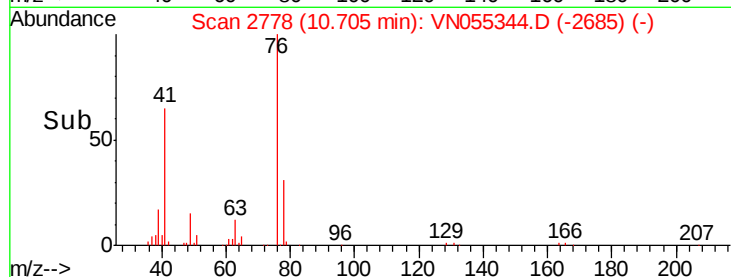
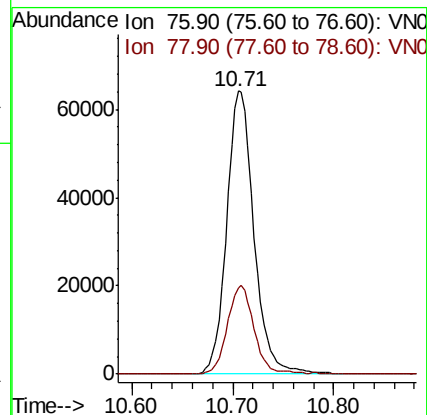
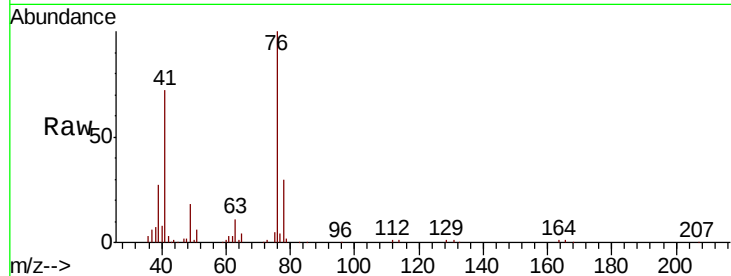
78 30.7 25.6 38.4

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 88.562 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN055344.D

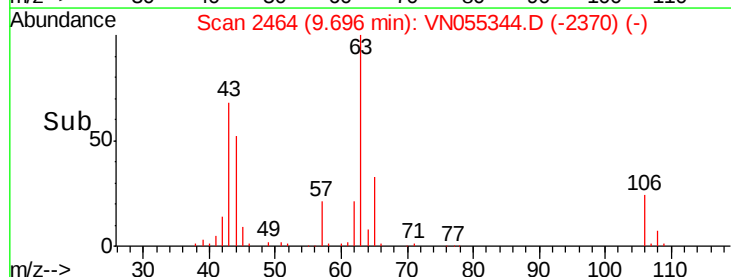
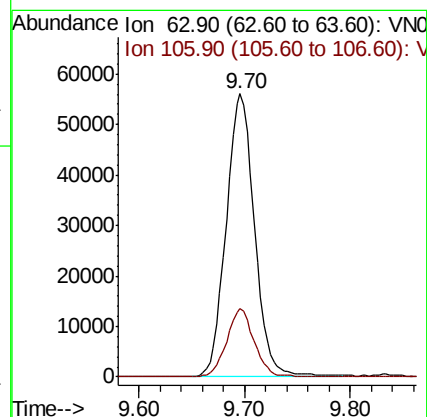
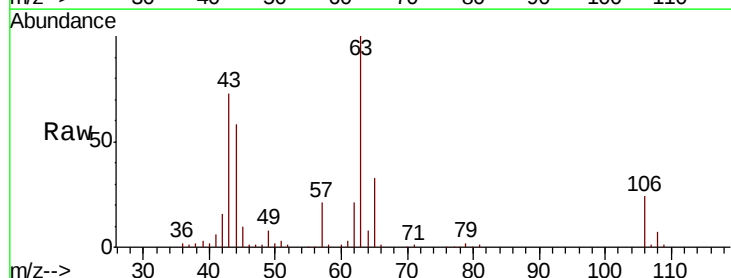
Acq: 2 May 2019 12:28

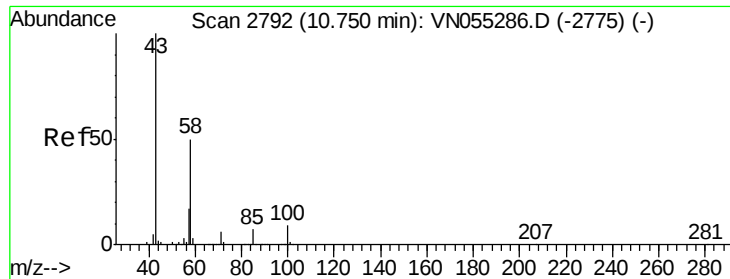
Tgt Ion: 63 Resp: 104724

Ion Ratio Lower Upper

63 100

106 23.3 19.0 28.4





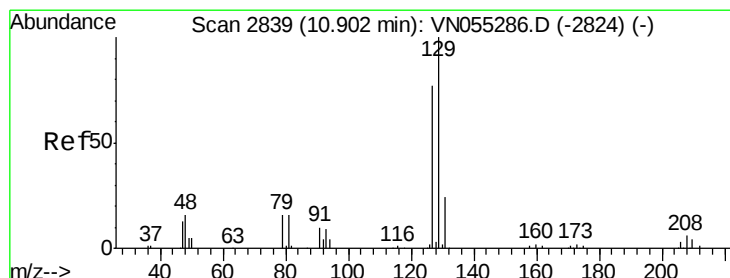
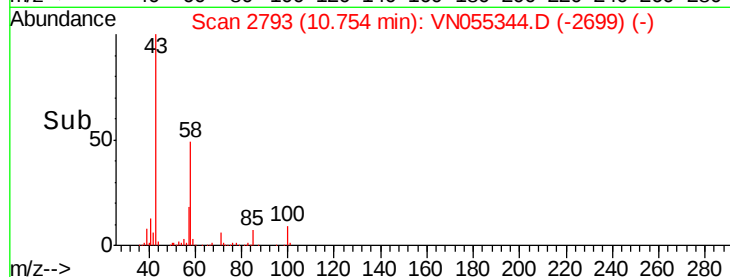
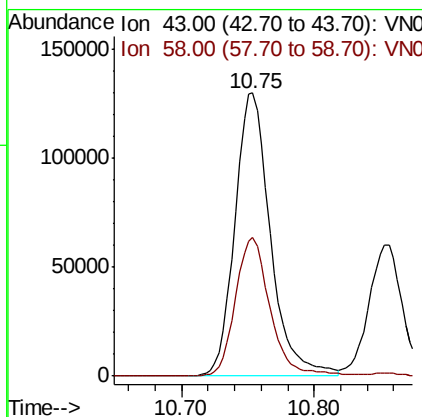
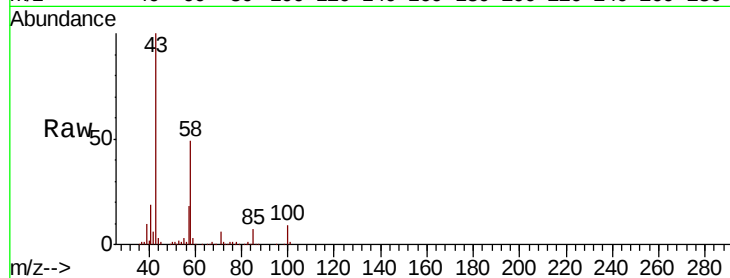
#59
2-Hexanone
Concen: 101.629 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN055344.D
Acq: 2 May 2019 12:28

Instrument :
MSVOA_N
ClientSampleId :
VN0502WBSD01

Tgt Ion: 43 Resp: 240184
Ion Ratio Lower Upper
43 100
58 48.1 24.9 74.6

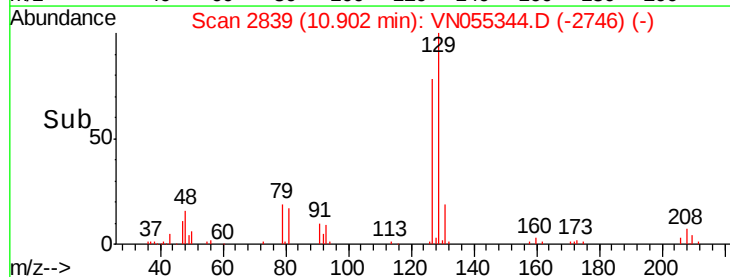
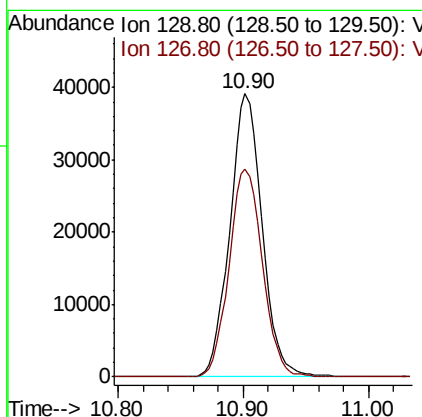
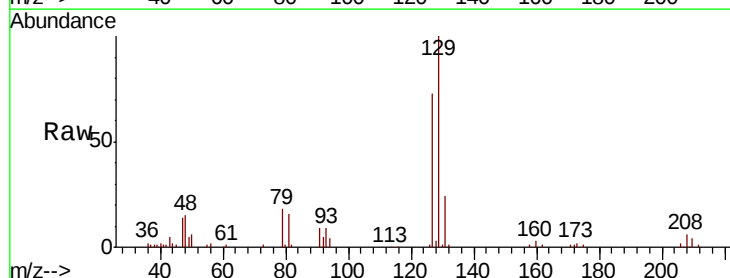
Manual Integrations
APPROVED

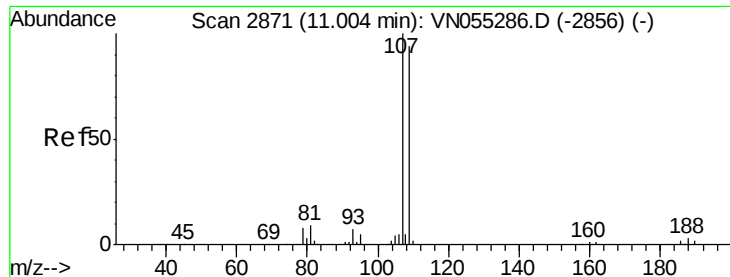
MMDadoda
5/3/2019 1:09:21 PM



#60
Dibromochloromethane
Concen: 19.978 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055344.D
Acq: 2 May 2019 12:28

Tgt Ion: 129 Resp: 69854
Ion Ratio Lower Upper
129 100
127 76.0 38.1 114.5





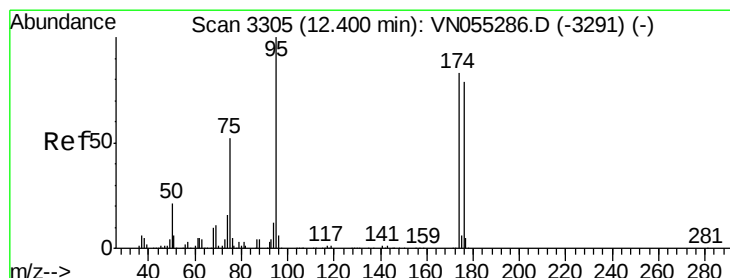
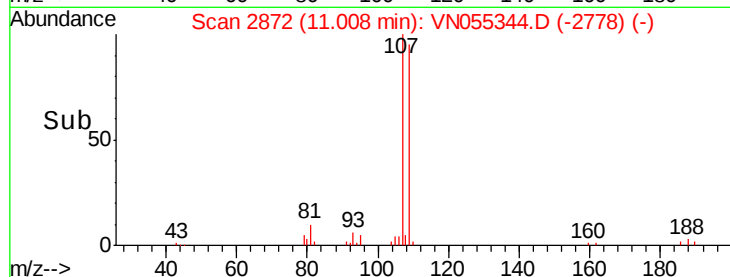
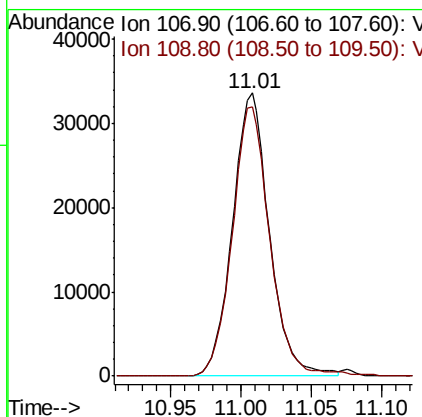
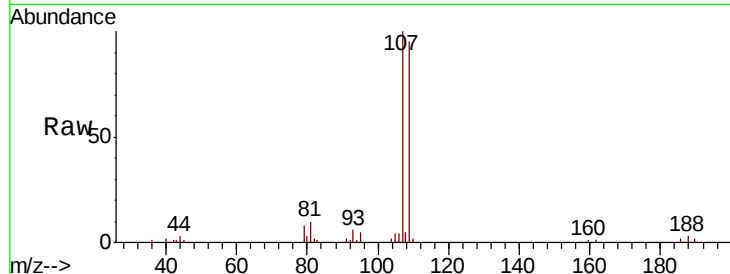
#61
 1,2-Dibromoethane
 Concen: 19.461 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN055344.D
 Acq: 2 May 2019 12:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0502WBSD01

Tgt Ion: 107 Resp: 61541
 Ion Ratio Lower Upper
 107 100
 109 96.1 75.0 112.6

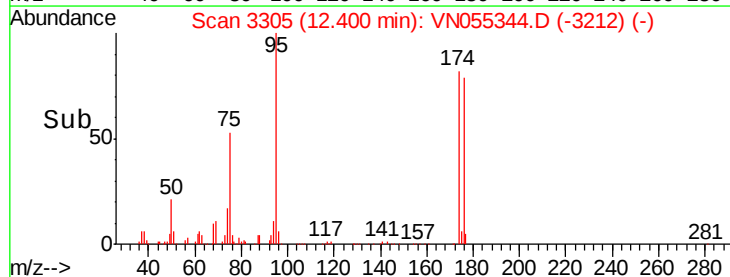
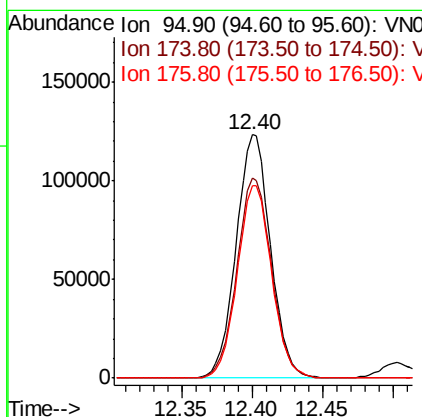
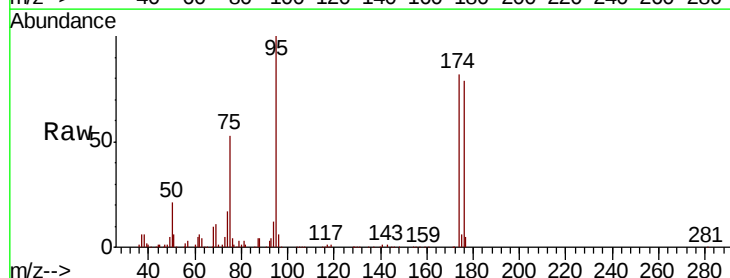
Manual Integrations
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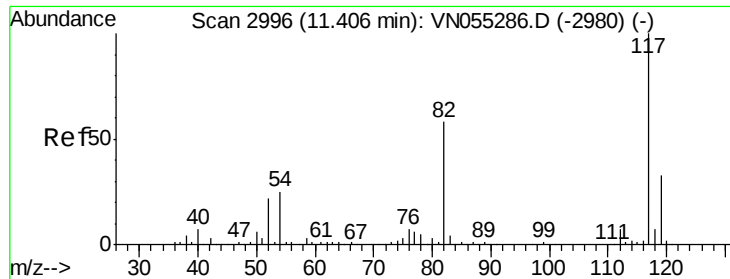
MMDadoda
 5/3/2019 1:09:21 PM



#62
 4-Bromofluorobenzene
 Concen: 49.965 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN055344.D
 Acq: 2 May 2019 12:28

Tgt Ion: 95 Resp: 210467
 Ion Ratio Lower Upper
 95 100
 174 83.3 0.0 166.6
 176 79.3 0.0 157.8





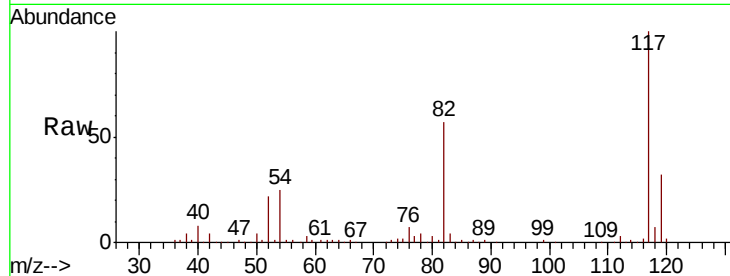
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055344.D
Acq: 2 May 2019 12:28

Instrument :
MSVOA_N
ClientSampleId :
VN0502WBSD01

Tgt Ion	Ratio	Lower	Upper
117	100		
82	57.0	46.2	69.4
119	31.7	26.6	40.0

Manual Integrations
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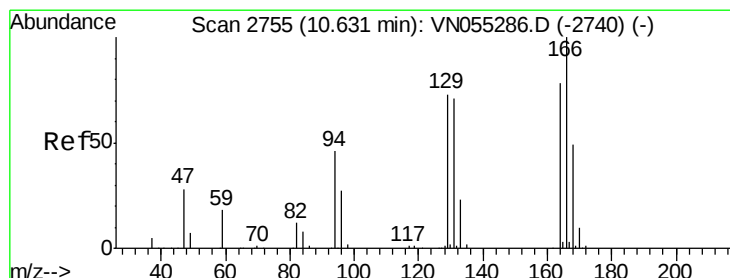
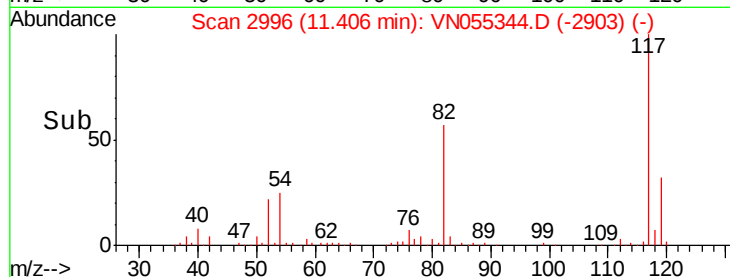
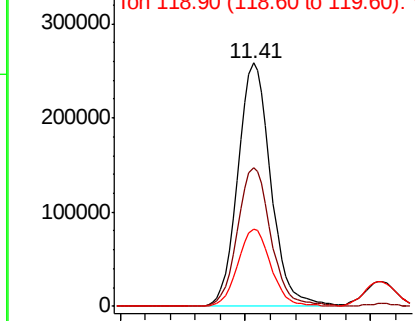


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 20.244 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055344.D
Acq: 2 May 2019 12:28

Tgt Ion	Ratio	Lower	Upper
164	100		
166	132.9	102.3	153.5
129	93.0	75.0	112.6
131	88.1	72.7	109.1

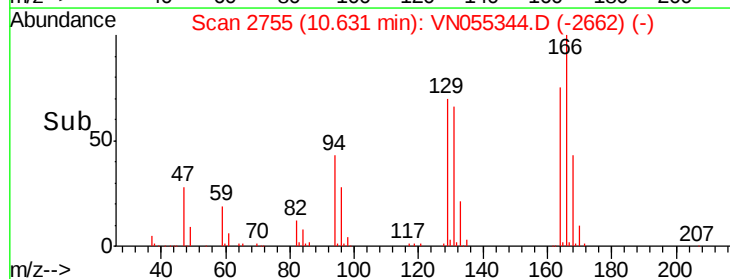
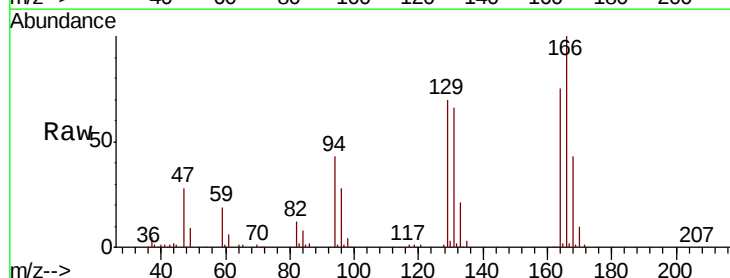
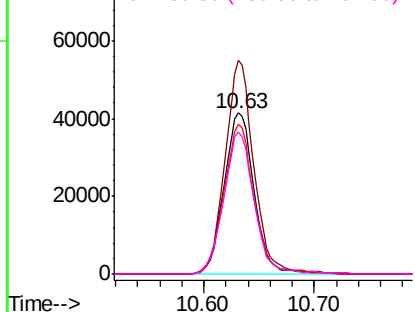
Abundance

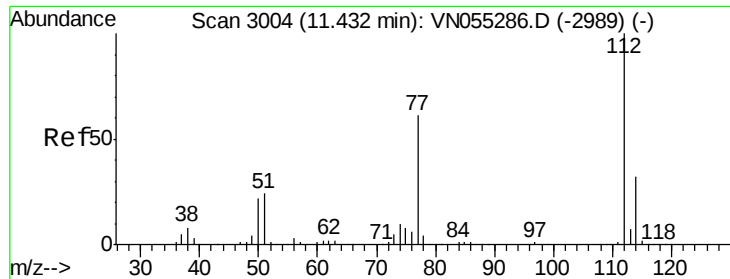
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





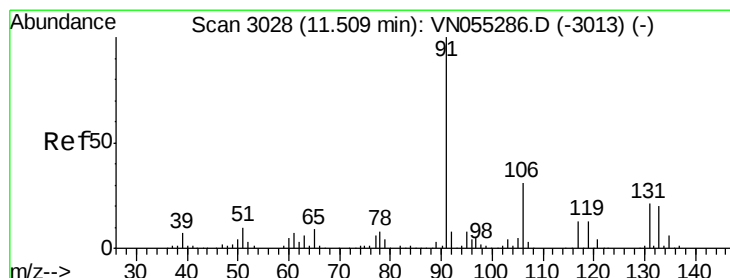
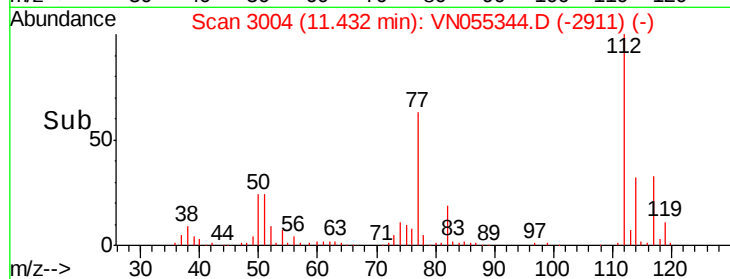
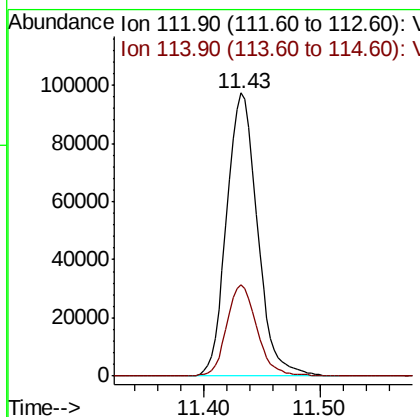
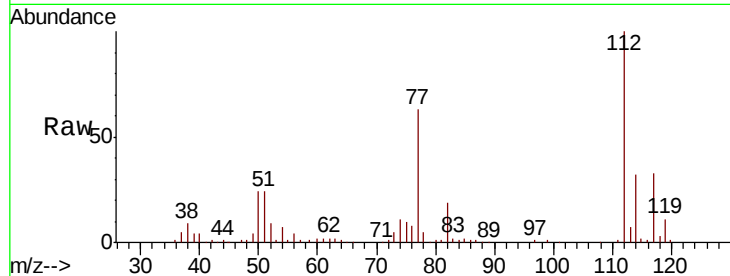
#65
Chlorobenzene
Concen: 19.414 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055344.D
Acq: 2 May 2019 12:28

Instrument :
MSVOA_N
ClientSampled :
VN0502WBSD01

Tgt Ion:112 Resp: 178845
Ion Ratio Lower Upper
112 100
114 32.3 25.3 37.9

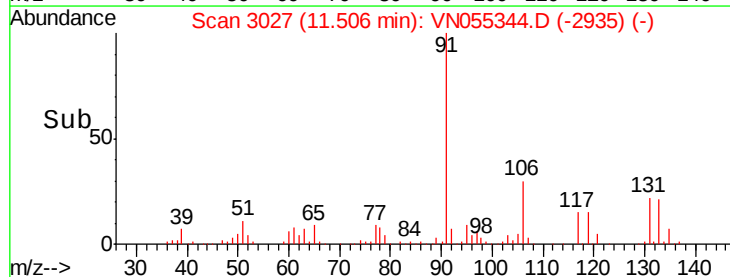
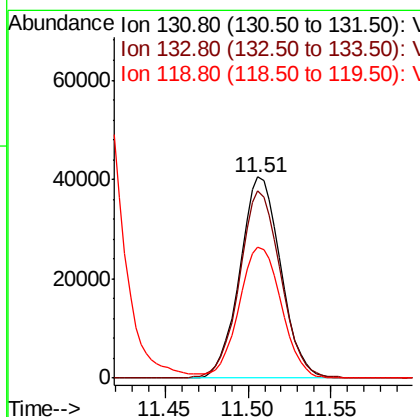
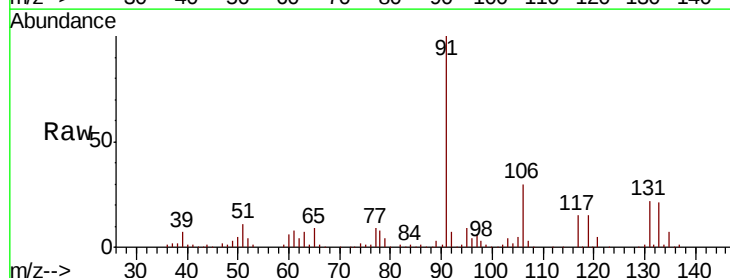
Manual Integrations
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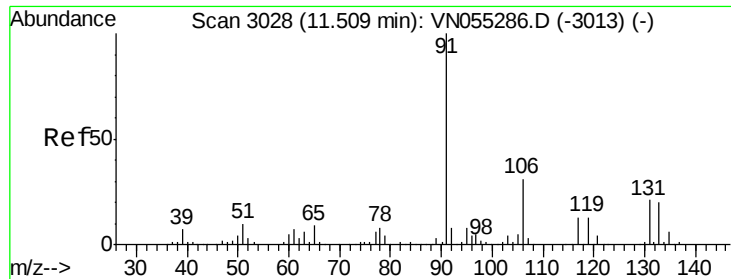
MMDadoda
5/3/2019 1:09:21 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.295 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN055344.D
Acq: 2 May 2019 12:28

Tgt Ion:131 Resp: 69602
Ion Ratio Lower Upper
131 100
133 93.9 47.5 142.6
119 67.8 32.7 98.1





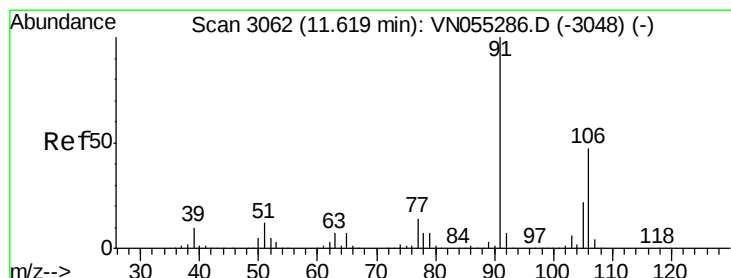
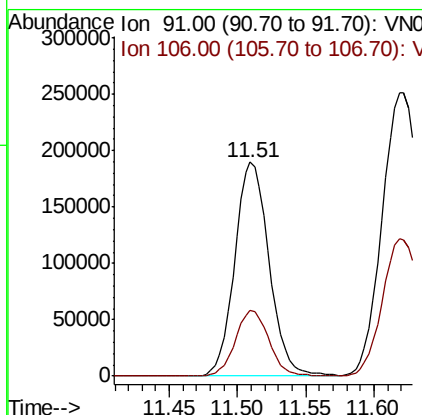
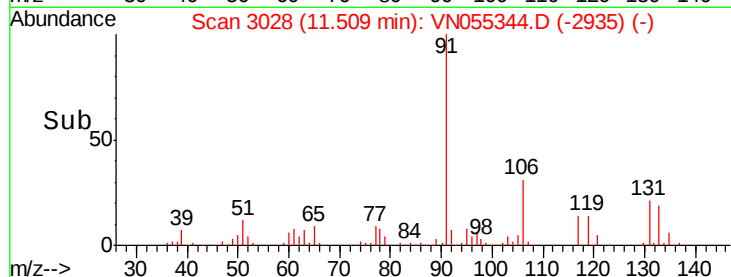
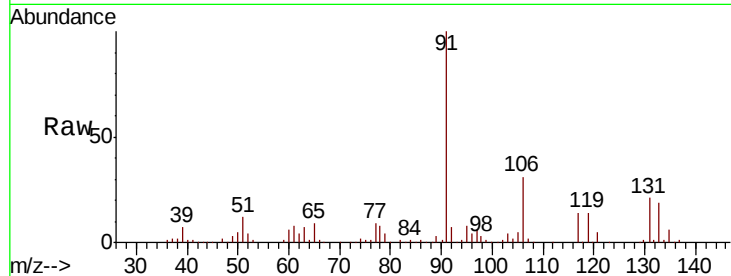
#67
Ethyl Benzene
Concen: 19.967 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055344.D
Acq: 2 May 2019 12:28

Instrument :
MSVOA_N
ClientSampled :
VN0502WBSD01

Tgt Ion: 91 Resp: 332159
Ion Ratio Lower Upper
91 100
106 30.6 24.6 36.8

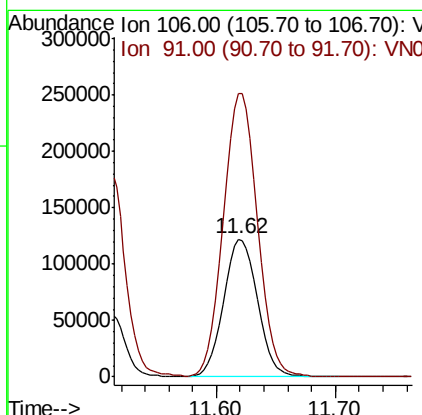
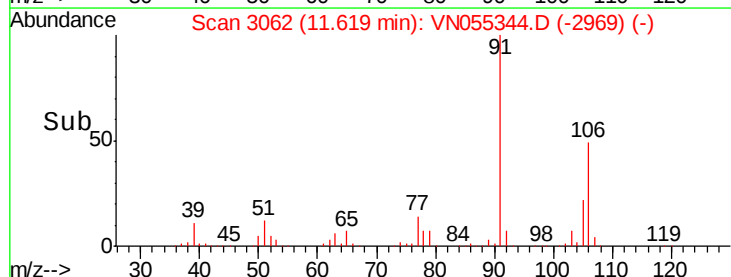
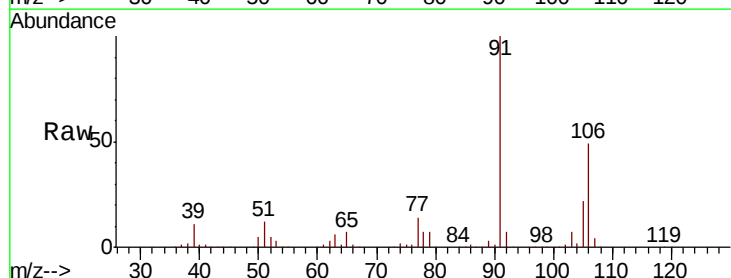
Manual Integrations
APPROVED

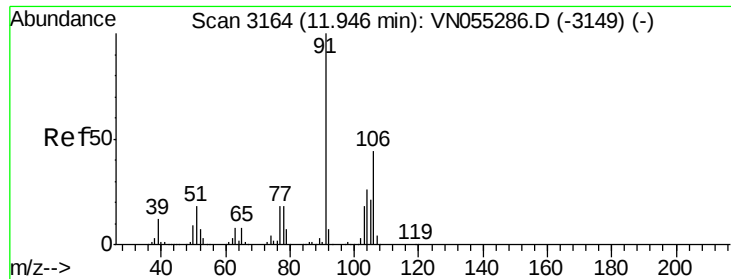
MMDadoda
5/3/2019 1:09:21 PM



#68
m/p-Xylenes
Concen: 40.623 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN055344.D
Acq: 2 May 2019 12:28

Tgt Ion: 106 Resp: 241216
Ion Ratio Lower Upper
106 100
91 207.2 169.5 254.3





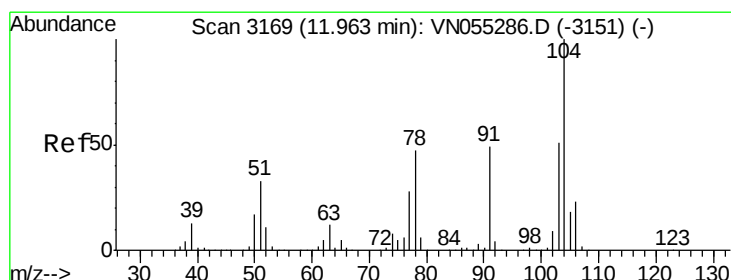
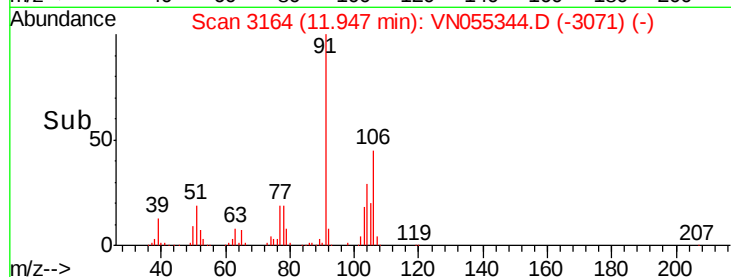
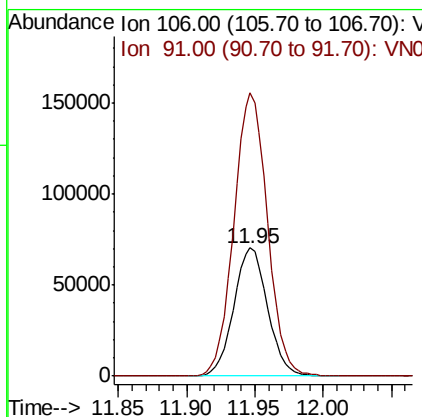
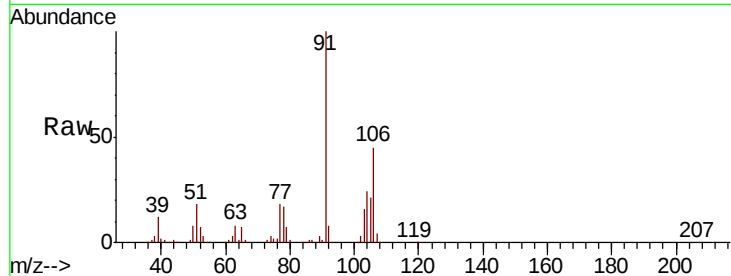
#69
o-Xylene
Concen: 20.622 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055344.D
Acq: 2 May 2019 12:28

Instrument :
MSVOA_N
ClientSampleId :
VN0502WBSD01

Tgt Ion:106 Resp: 121371
Ion Ratio Lower Upper
106 100
91 218.5 111.5 334.5

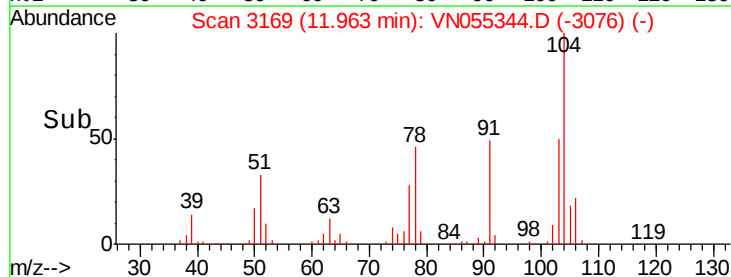
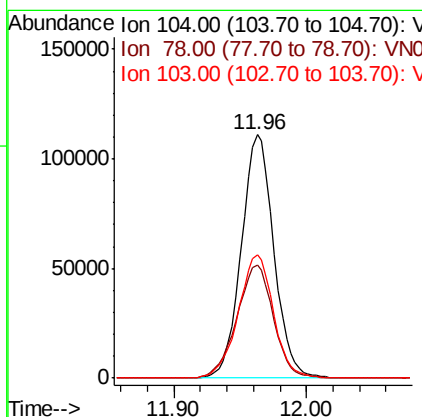
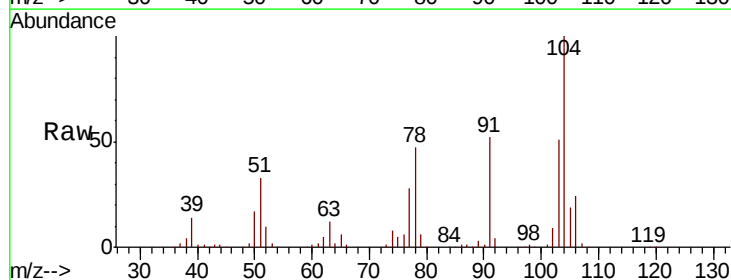
Manual Integrations
APPROVED

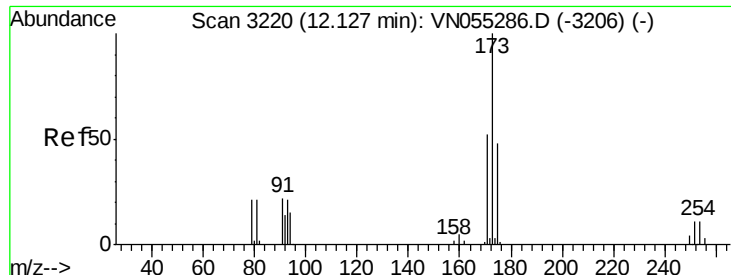
MMDadoda
5/3/2019 1:09:21 PM



#70
Styrene
Concen: 20.941 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055344.D
Acq: 2 May 2019 12:28

Tgt Ion:104 Resp: 189232
Ion Ratio Lower Upper
104 100
78 52.4 42.2 63.2
103 54.8 44.6 67.0





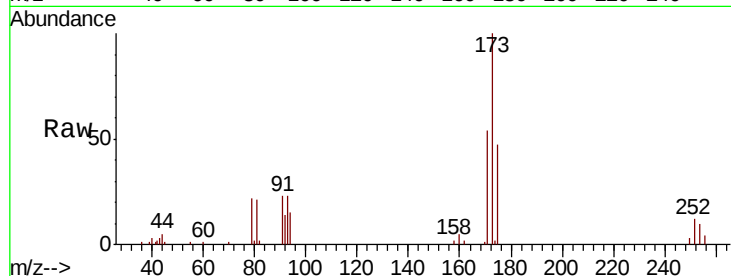
#71
Bromoform
Concen: 20.512 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN055344.D
Acq: 2 May 2019 12:28

Instrument :
MSVOA_N
ClientSampleId :
VN0502WBSD01

Tgt Ion	Ratio	Lower	Upper
173	100		
175	47.8	23.6	71.0
254	0.0	0.0	0.0

Manual Integrations
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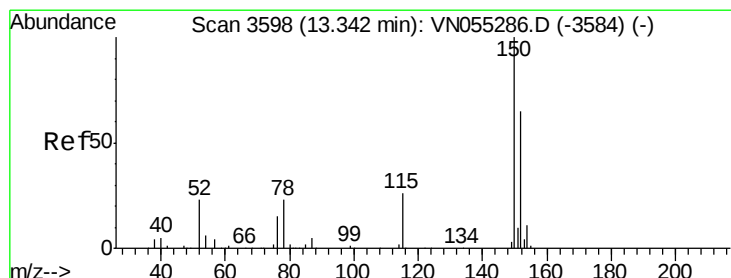
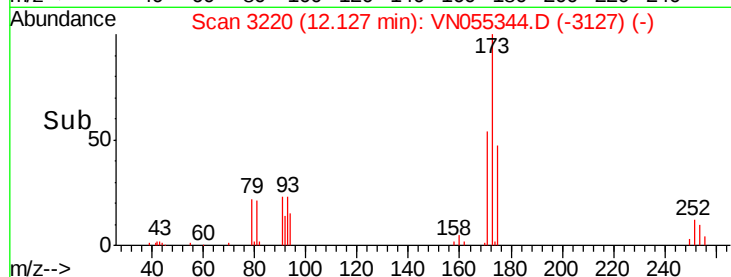
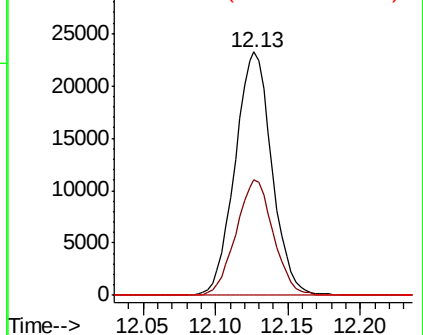


Abundance

Ion 172.70 (172.40 to 173.40): V

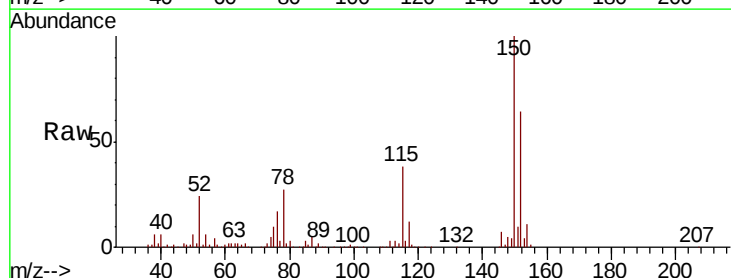
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN055344.D
Acq: 2 May 2019 12:28

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.1	29.0	87.0
150	161.9	0.0	345.6

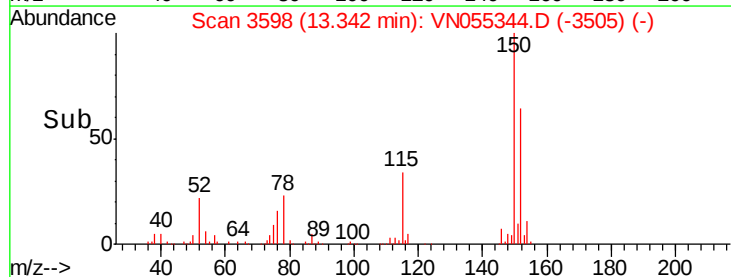
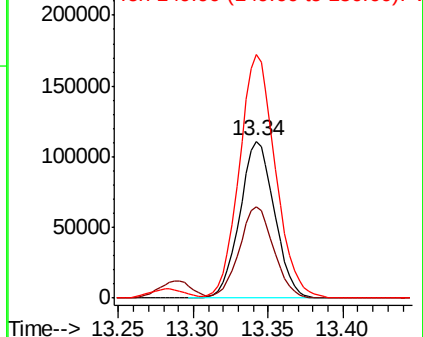


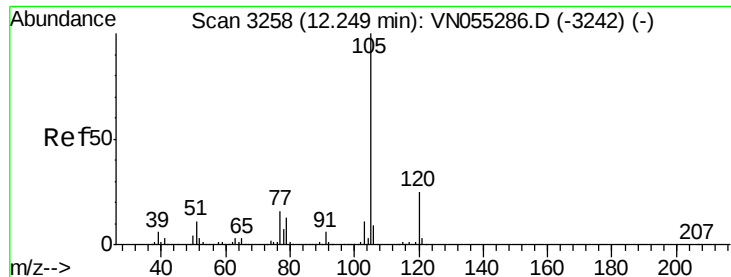
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.119 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055344.D

Acq: 2 May 2019 12:28

Instrument :

MSVOA_N

ClientSampleId :

VN0502WBSD01

Tgt Ion: 105 Resp: 312606

Ion Ratio Lower Upper

105 100

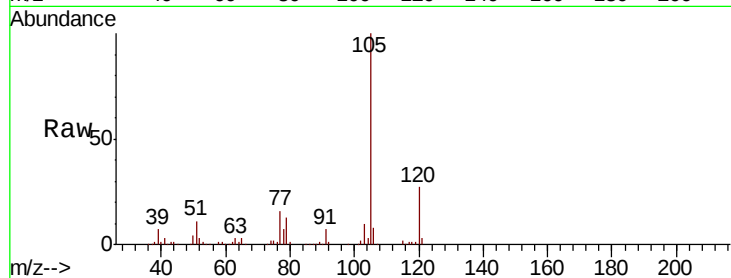
120 27.0 12.9 38.7

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

200000

150000

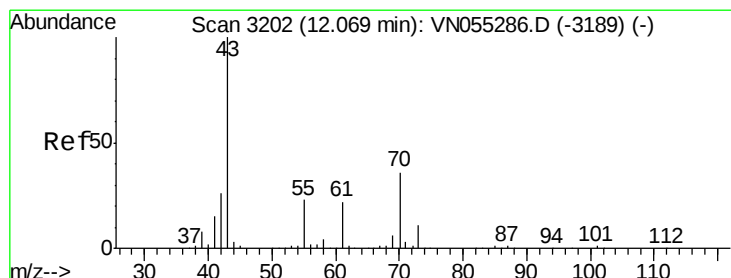
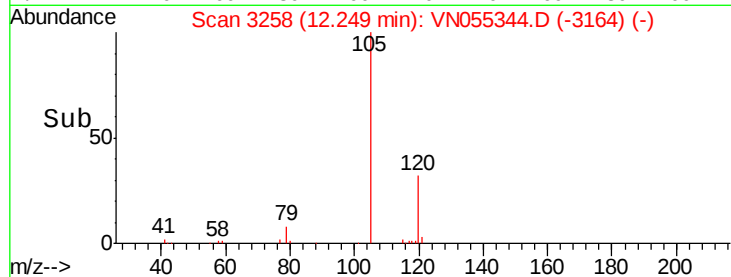
100000

50000

0

12.15 12.20 12.25 12.30

Time-->



#74

N-ethyl acetate

Concen: 19.380 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055344.D

Acq: 2 May 2019 12:28

Tgt Ion: 43 Resp: 88785

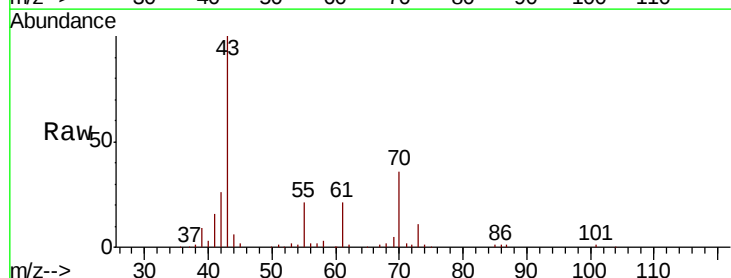
Ion Ratio Lower Upper

43 100

70 36.5 27.9 41.9

55 21.9 18.2 27.2

61 20.8 16.9 25.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

80000

60000

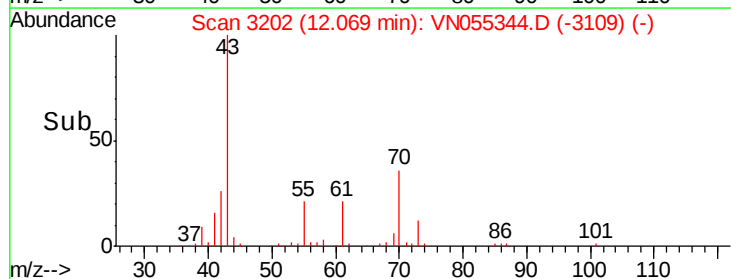
40000

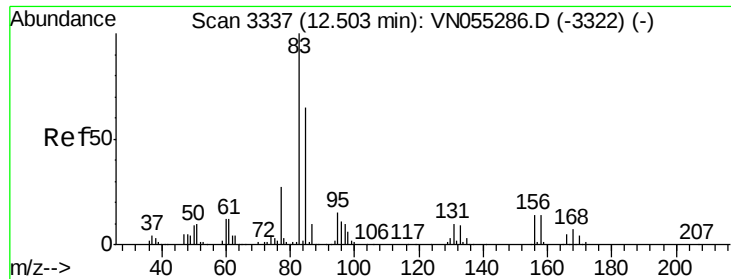
20000

0

12.00 12.10

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.225 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055344.D

Acq: 2 May 2019 12:28

Instrument :

MSVOA_N

ClientSampleId :

VN0502WBSD01

Tgt Ion: 83 Resp: 78232

Ion Ratio Lower Upper

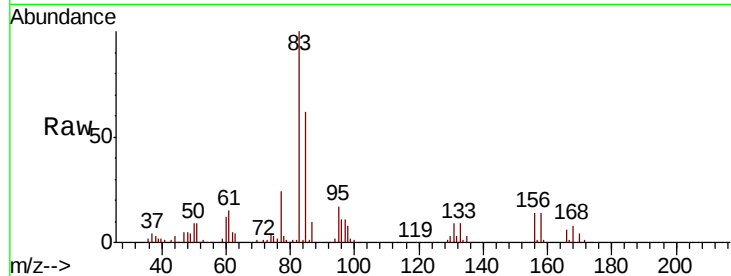
83 100

131 9.3 5.1 15.2

85 64.8 32.3 96.8

Manual Integrations
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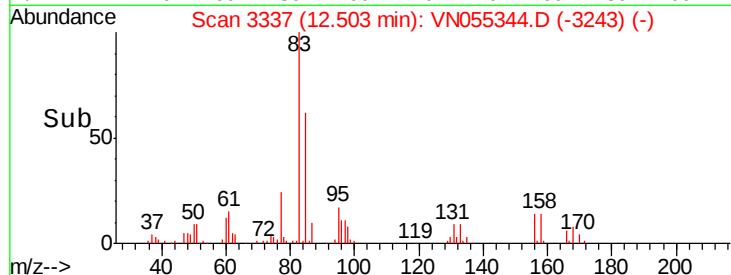
Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0

12.50

Time-->



Abundance

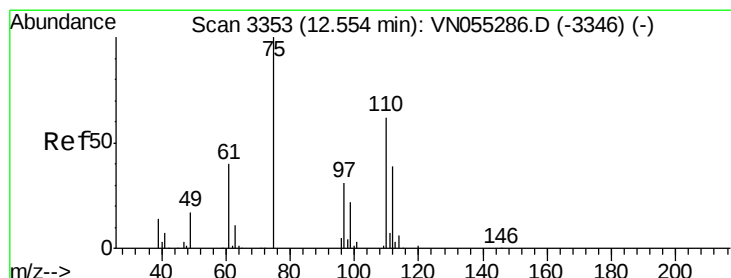
Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0

12.50

Time-->



#76

1,2,3-Trichloropropane

Concen: 20.773 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN055344.D

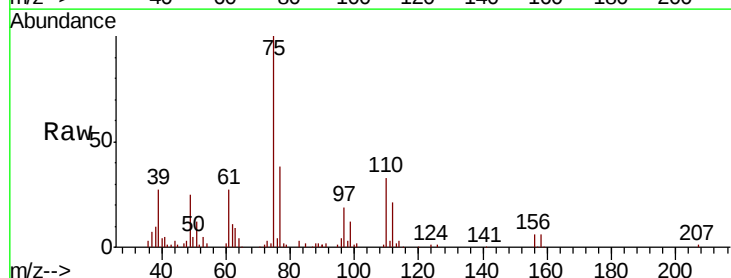
Acq: 2 May 2019 12:28

Tgt Ion: 75 Resp: 73810

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

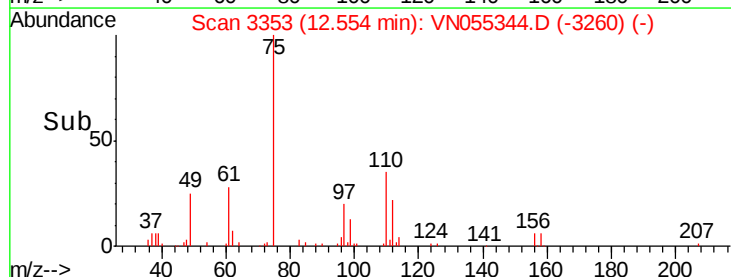


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

12.55

Time-->



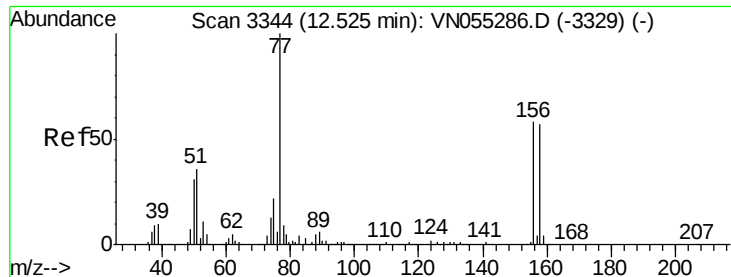
Abundance

Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

12.55

Time-->



#77

Bromobenzene

Concen: 20.613 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055344.D

Acq: 2 May 2019 12:28

Instrument :

MSVOA_N

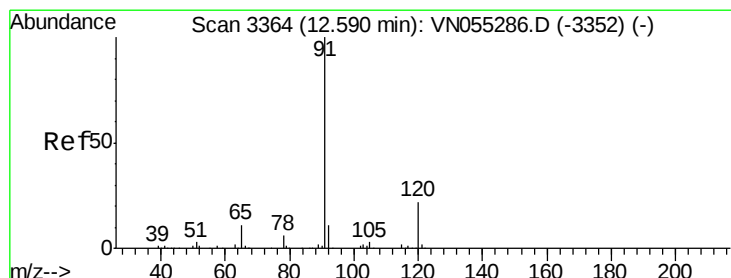
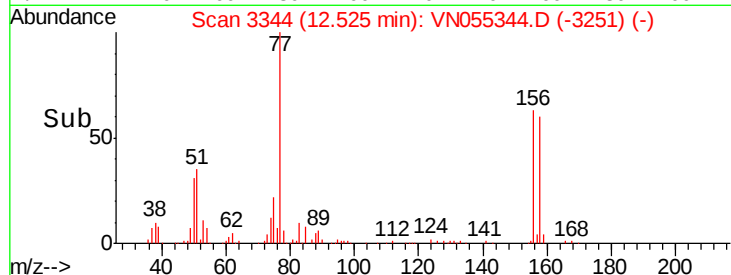
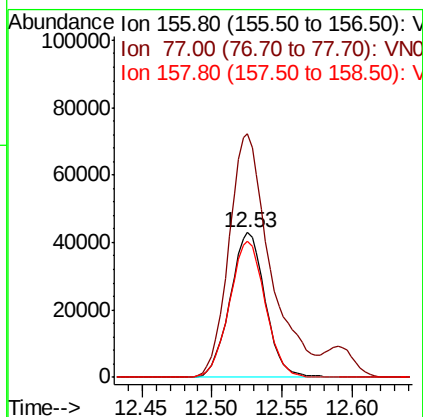
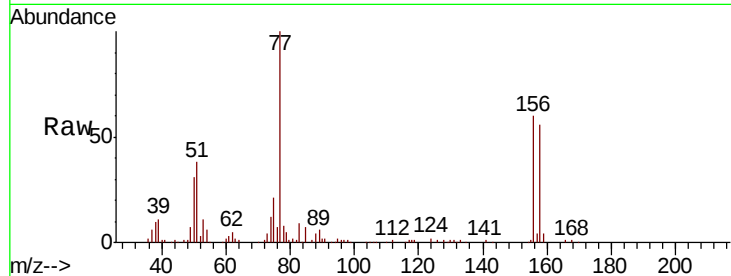
ClientSampleId :

VN0502WBSD01

Tgt Ion:	156	Resp:	74610
Ion Ratio	Lower	Upper	
156	100		
77	198.1	99.6	298.8
158	95.6	49.3	147.8

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#78

n-propylbenzene

Concen: 18.498 ug/l

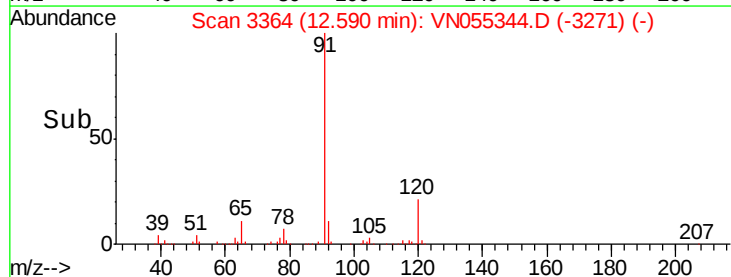
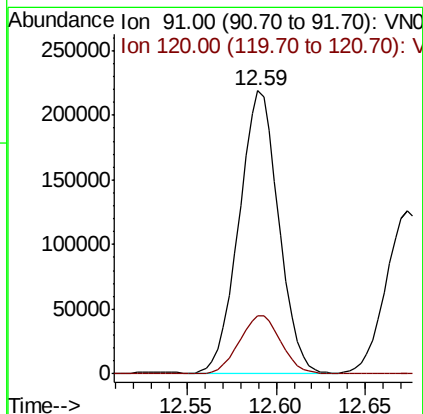
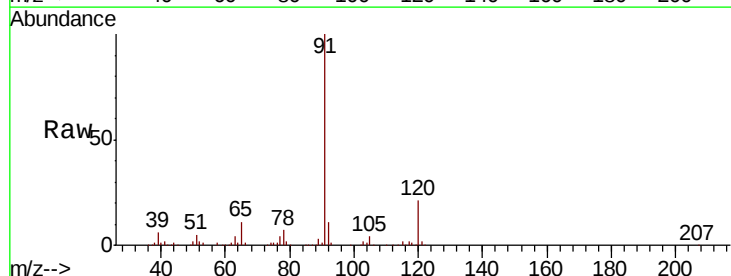
RT: 12.59 min Scan# 3364

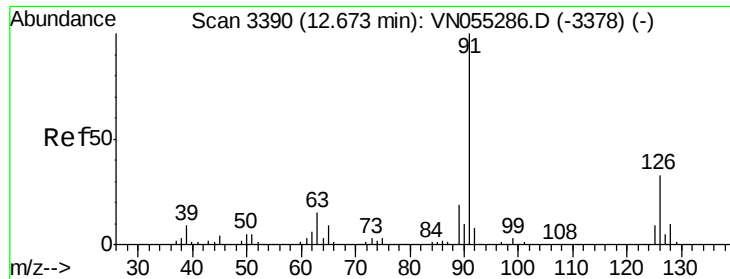
Delta R.T. 0.00 min

Lab File: VN055344.D

Acq: 2 May 2019 12:28

Tgt Ion:	91	Resp:	339183
Ion Ratio	Lower	Upper	
91	100		
120	21.8	11.0	33.0





#79

2-Chlorotoluene

Concen: 20.655 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055344.D

Acq: 2 May 2019 12:28

Instrument :

MSVOA_N

ClientSampleId :

VN0502WBSD01

Tgt Ion: 91 Resp: 214941

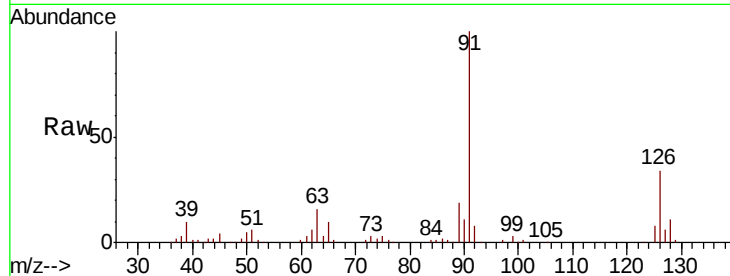
Ion Ratio Lower Upper

91 100

126 33.3 16.6 49.7

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

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

150000

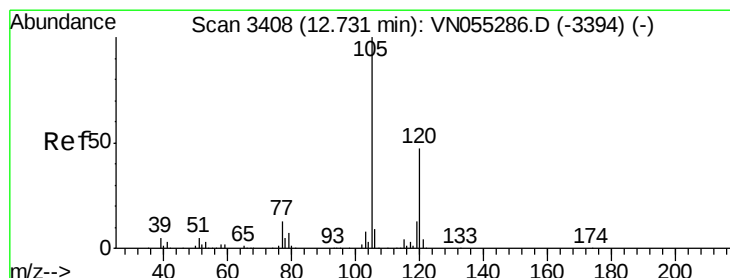
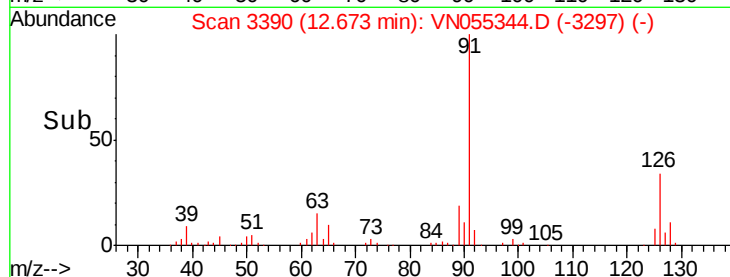
100000

50000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 18.787 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055344.D

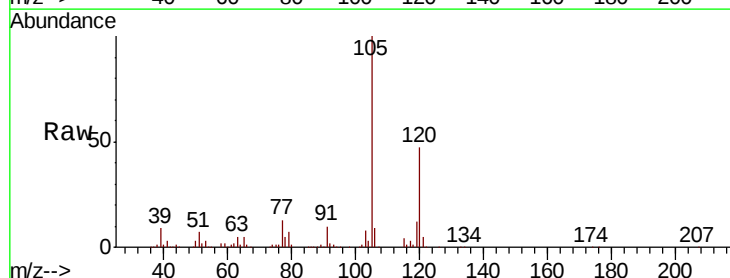
Acq: 2 May 2019 12:28

Tgt Ion: 105 Resp: 262912

Ion Ratio Lower Upper

105 100

120 47.2 23.4 70.0



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

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

150000

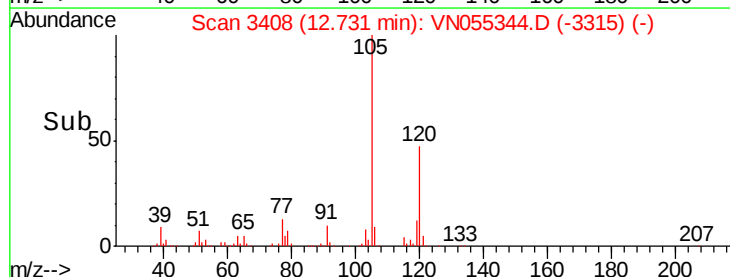
100000

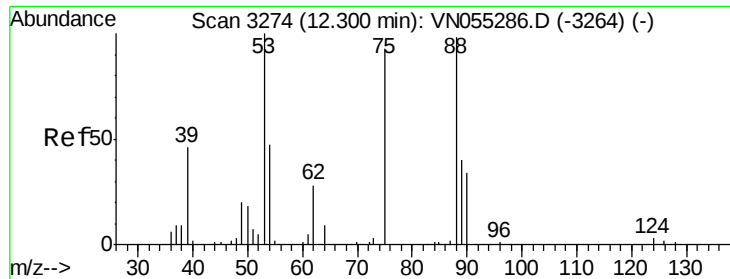
50000

0

12.70 12.80

Time-->





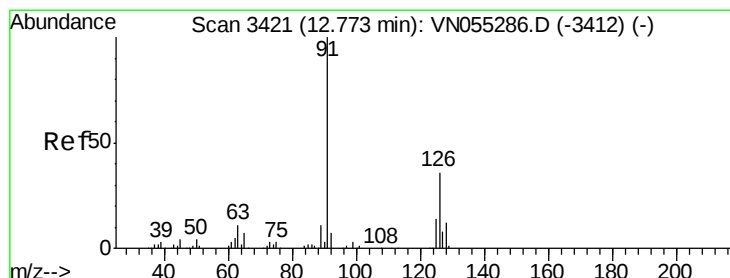
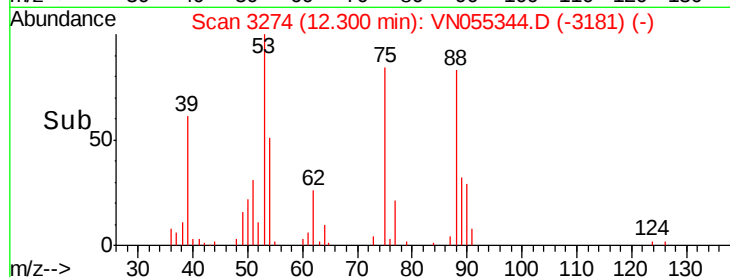
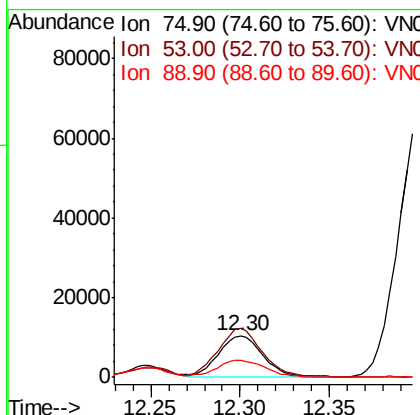
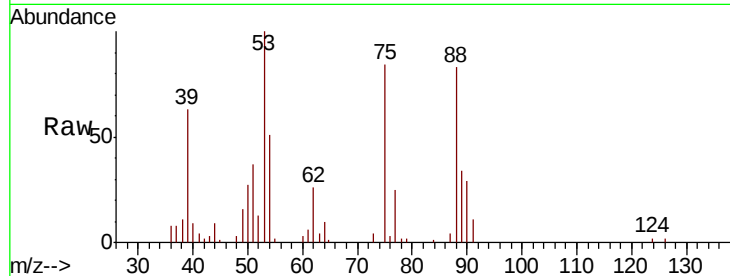
#81
trans-1,4-Dichloro-2-butene
Concen: 19.196 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN055344.D
Acq: 2 May 2019 12:28

Instrument :
MSVOA_N
ClientSampleId :
VN0502WBSD01

Tgt Ion	Ratio	Lower	Upper
75	100		
53	118.1	86.3	129.5
89	45.0	34.6	51.8

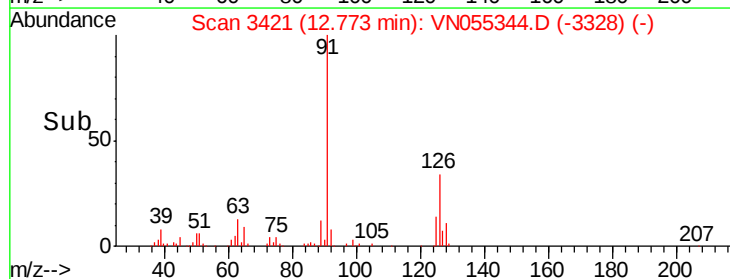
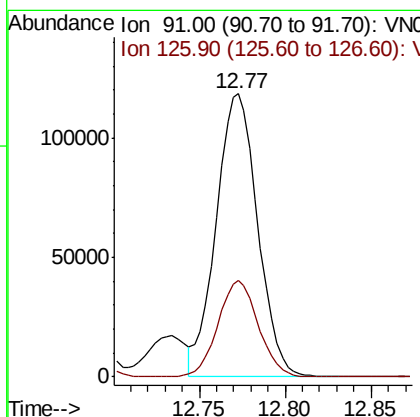
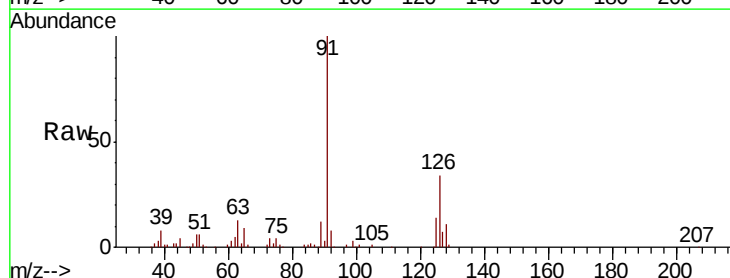
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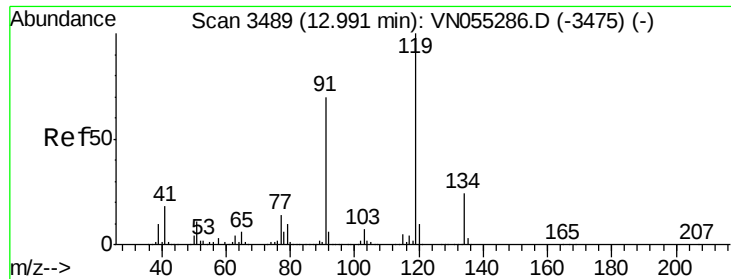
MMDadoda
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#82
4-Chlorotoluene
Concen: 18.700 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN055344.D
Acq: 2 May 2019 12:28

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.2	16.6	49.7





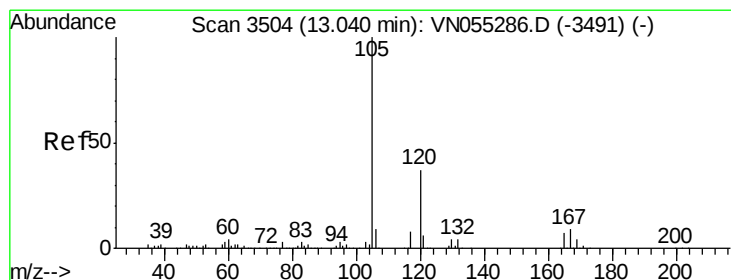
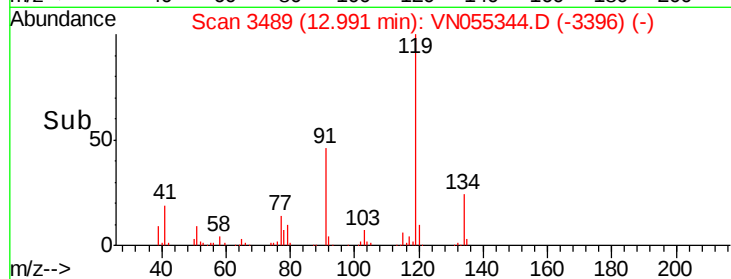
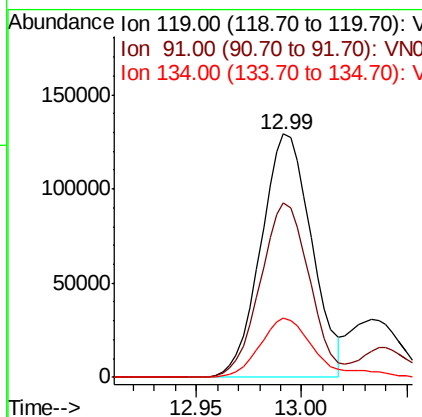
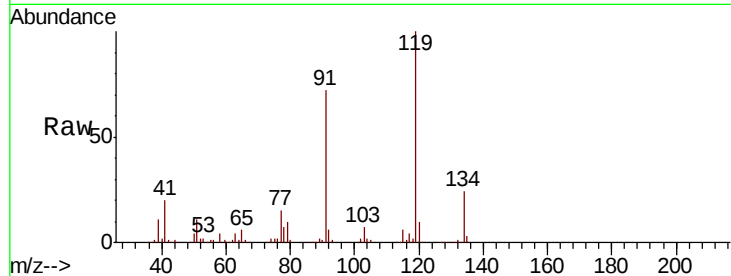
#83
 tert-Butylbenzene
 Concen: 20.033 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN055344.D
 Acq: 2 May 2019 12:28

Instrument :
 MSVOA_N
 ClientSampled :
 VN0502WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	215715		
91	70.1	34.3	102.9	
134	26.7	13.1	39.3	

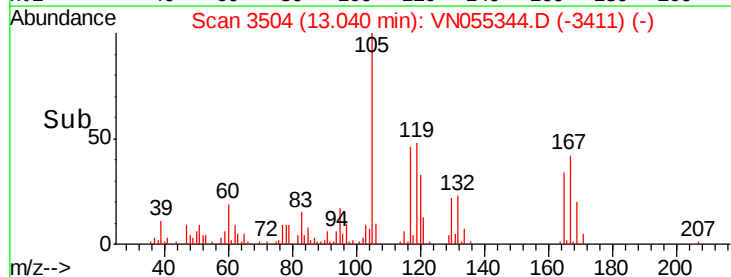
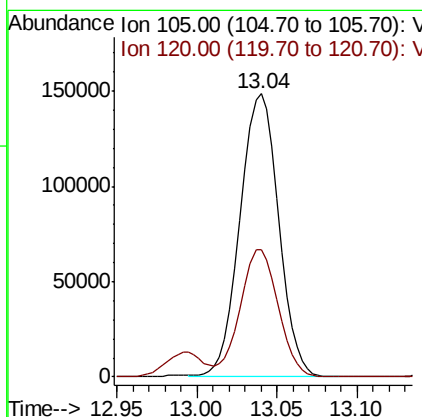
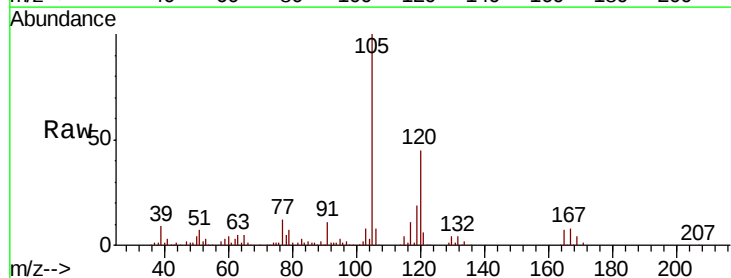
Manual Integrations
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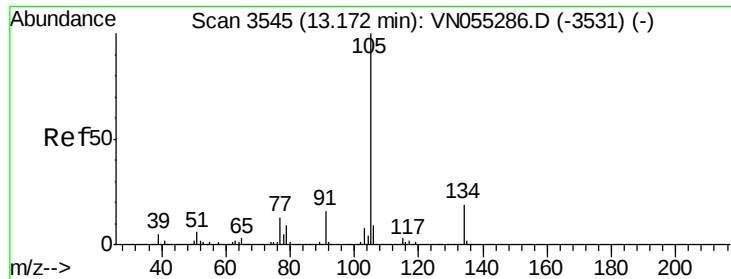
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#84
 1,2,4-Trimethylbenzene
 Concen: 19.531 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN055344.D
 Acq: 2 May 2019 12:28

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	244448		
120	44.2	22.1	66.5	





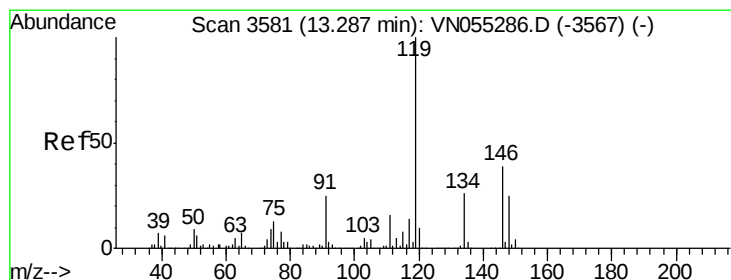
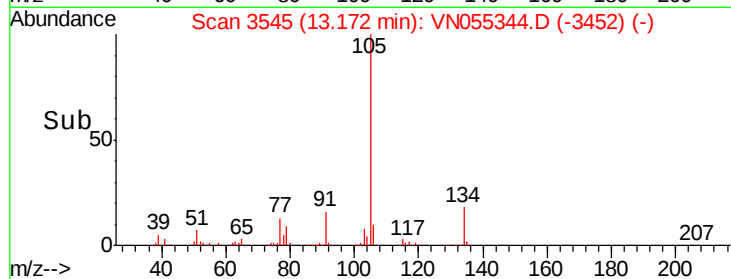
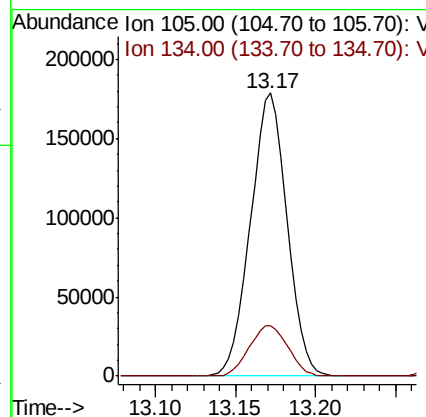
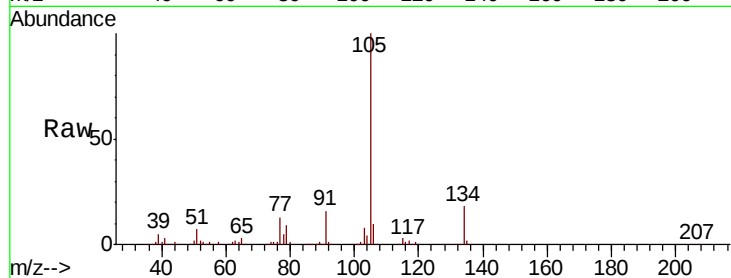
#85
 sec-Butylbenzene
 Concen: 18.379 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN055344.D
 Acq: 2 May 2019 12:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0502WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	279551		
134	18.9	9.6	28.8	

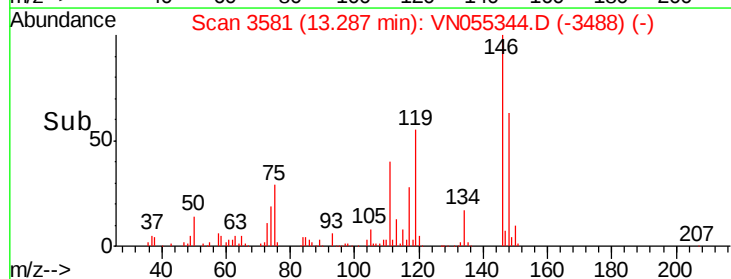
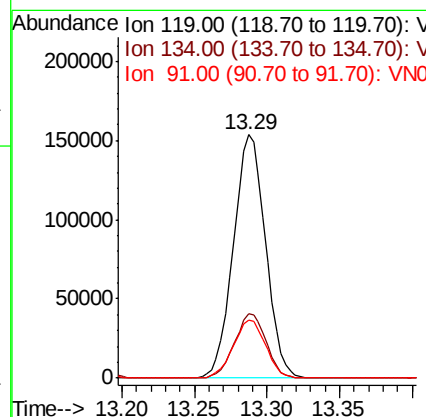
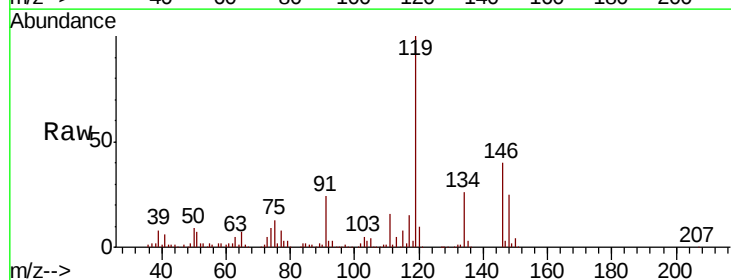
Manual Integrations
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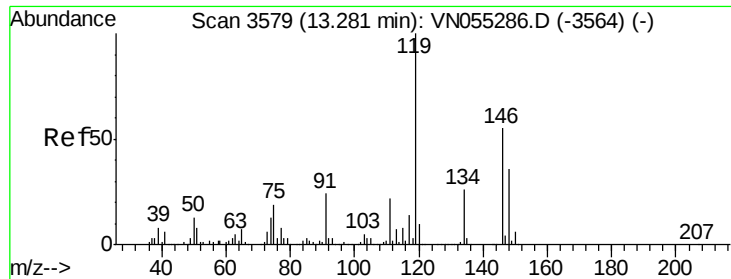
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#86
 p-Isopropyltoluene
 Concen: 18.835 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN055344.D
 Acq: 2 May 2019 12:28

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	235476		
134	26.1	13.0	38.9	
91	24.1	12.2	36.6	





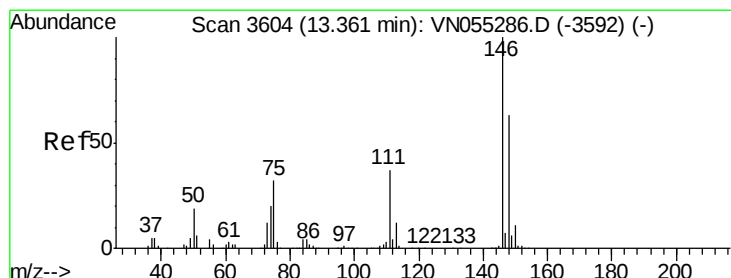
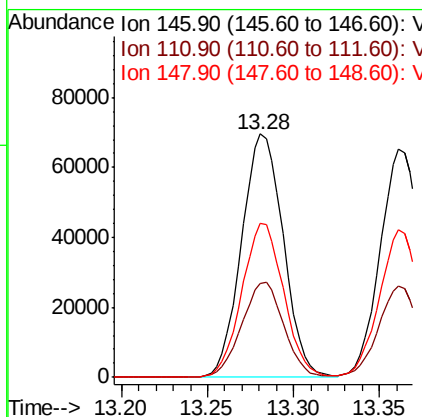
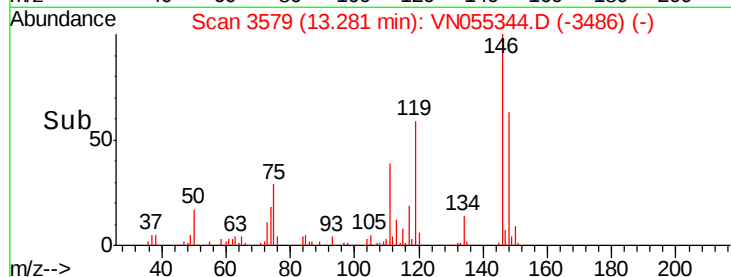
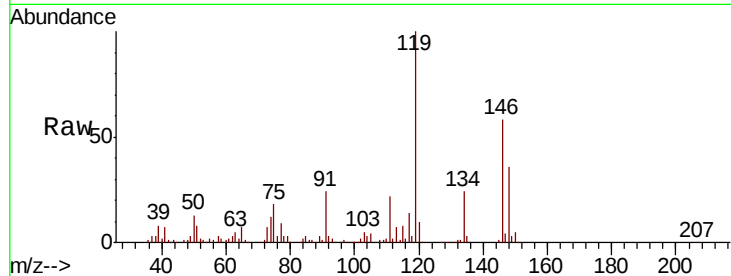
#87
 1,3-Dichlorobenzene
 Concen: 19.629 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055344.D
 Acq: 2 May 2019 12:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0502WBSD01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.2	20.3	60.8
148	63.2	32.5	97.5

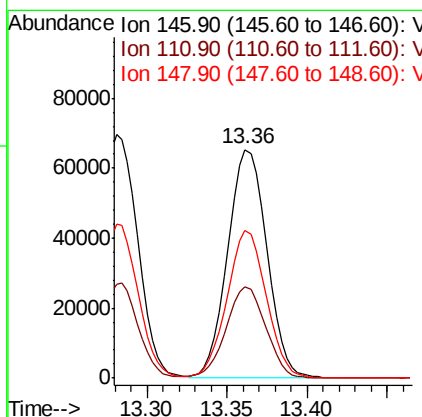
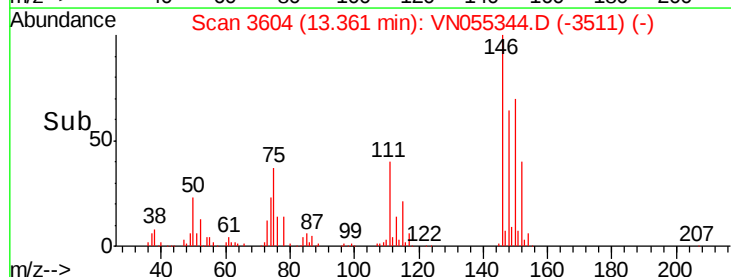
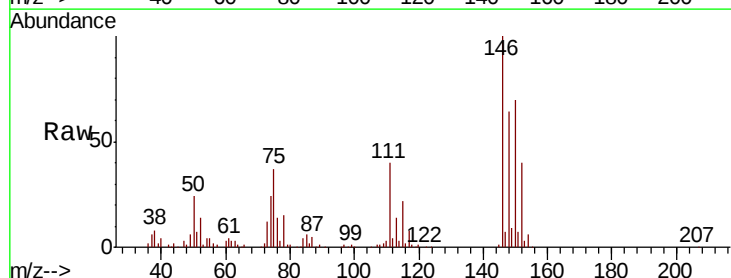
Manual Integrations
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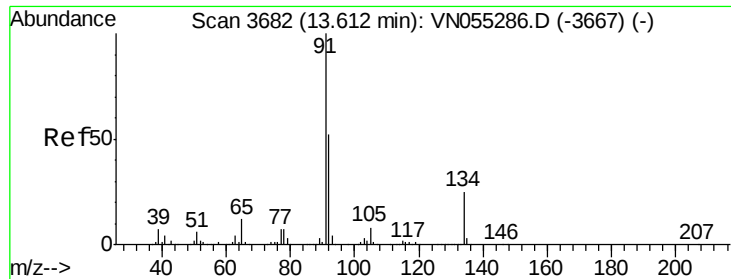
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#88
 1,4-Dichlorobenzene
 Concen: 19.440 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN055344.D
 Acq: 2 May 2019 12:28

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.3	19.5	58.5
148	64.6	32.5	97.4





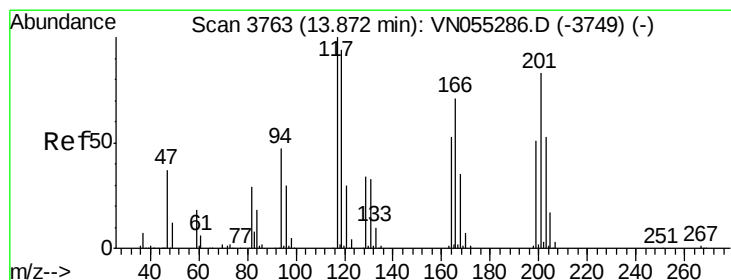
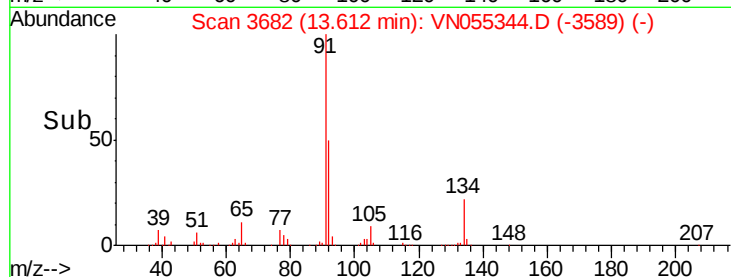
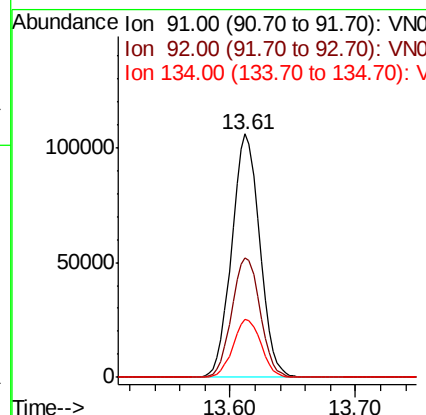
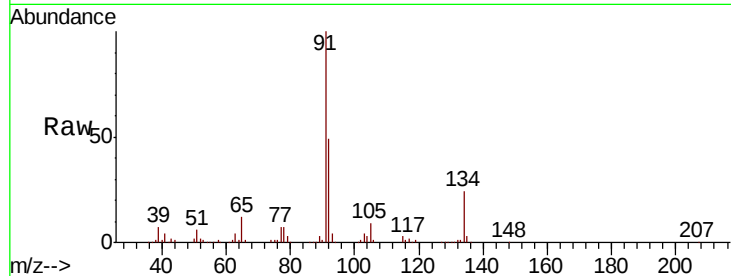
#89
n-Butylbenzene
Concen: 18.464 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055344.D
Acq: 2 May 2019 12:28

Instrument :
MSVOA_N
ClientSampled :
VN0502WBSD01

Tgt Ion	Ratio	Lower	Upper
91	100		
92	49.6	26.1	78.3
134	23.9	12.4	37.4

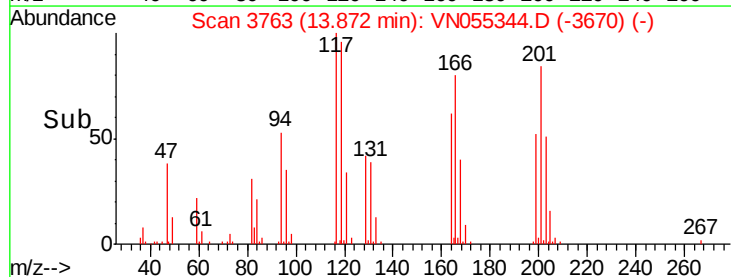
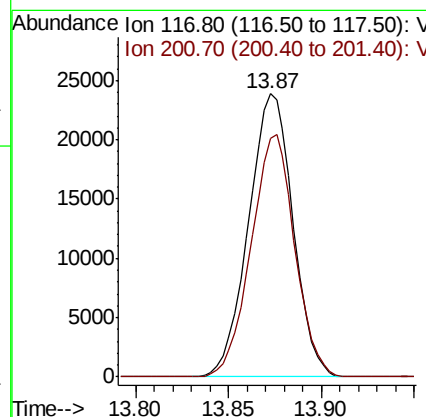
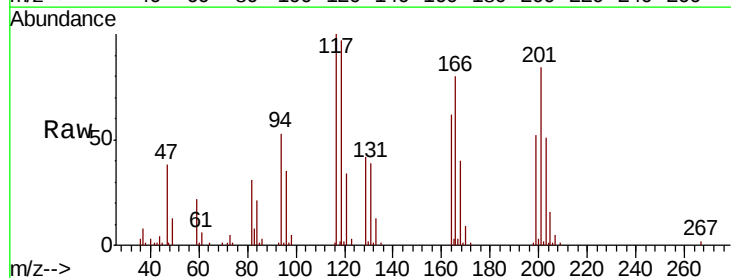
Manual Integrations
APPROVED

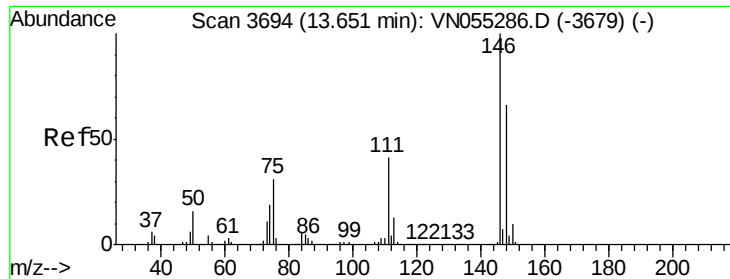
MMDadoda
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#90
Hexachloroethane
Concen: 19.182 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055344.D
Acq: 2 May 2019 12:28

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.0	41.9	125.8





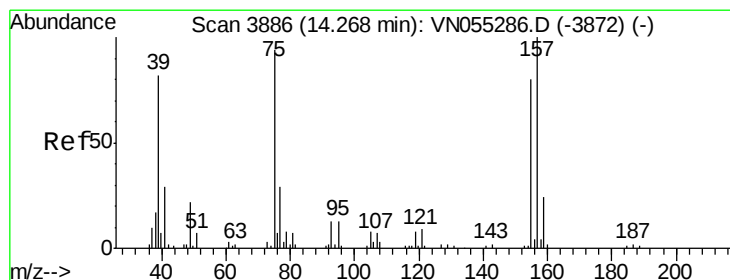
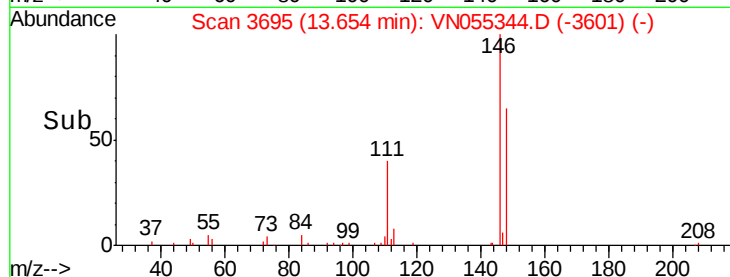
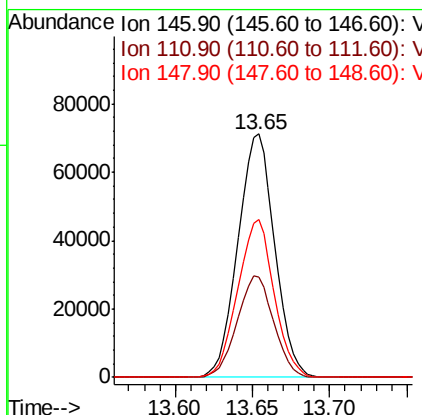
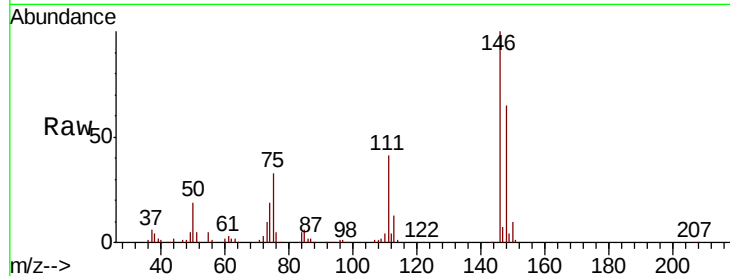
#91
 1,2-Dichlorobenzene
 Concen: 19.887 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN055344.D
 Acq: 2 May 2019 12:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0502WBSD01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.3	61.0
148	64.1	32.4	97.2

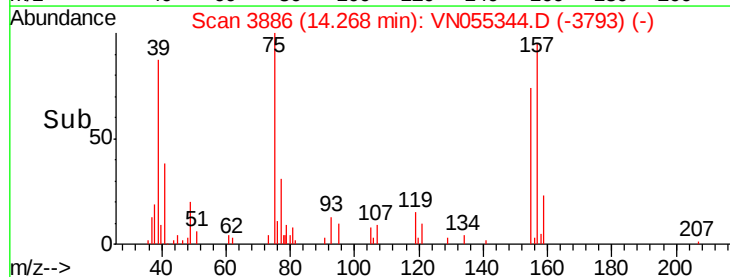
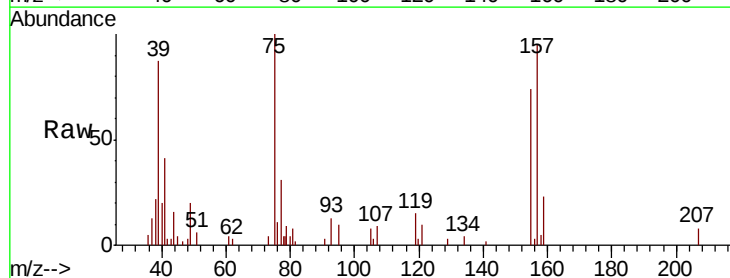
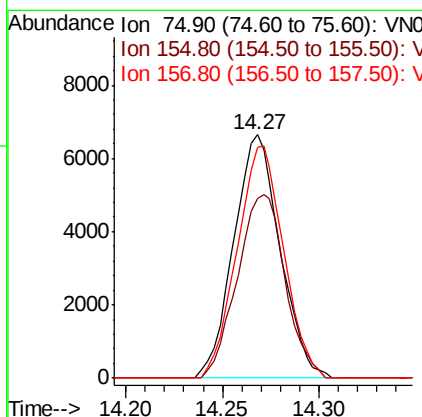
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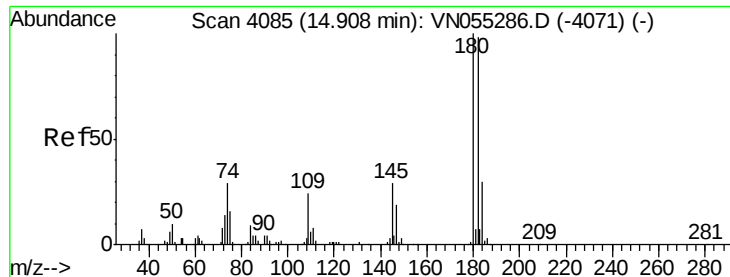
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 23.551 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN055344.D
 Acq: 2 May 2019 12:28

Tgt Ion	Ratio	Lower	Upper
75	100		
155	77.9	41.5	124.6
157	95.6	54.0	162.2





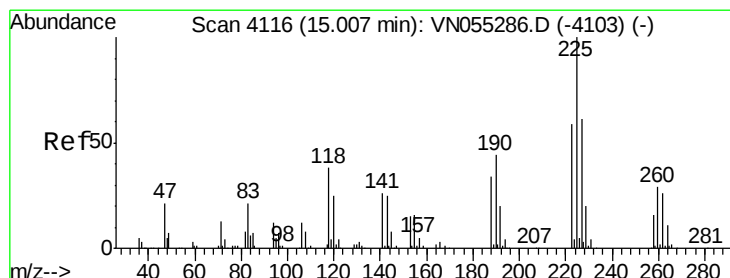
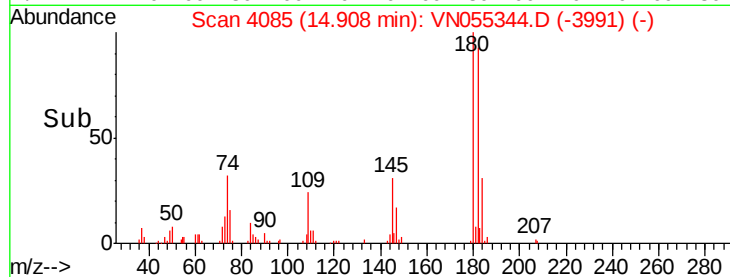
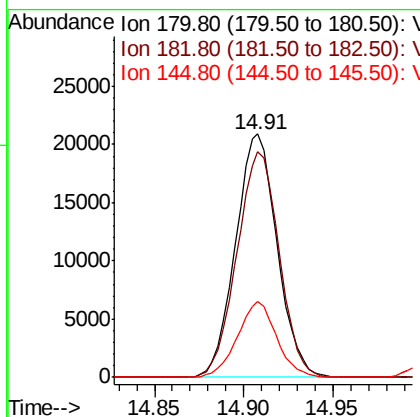
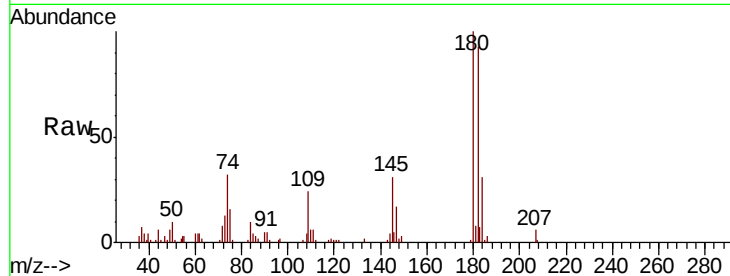
#93
 1,2,4-Trichlorobenzene
 Concen: 16.864 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055344.D
 Acq: 2 May 2019 12:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0502WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	33876		
182	94.1	48.3	144.9	
145	29.3	14.2	42.6	

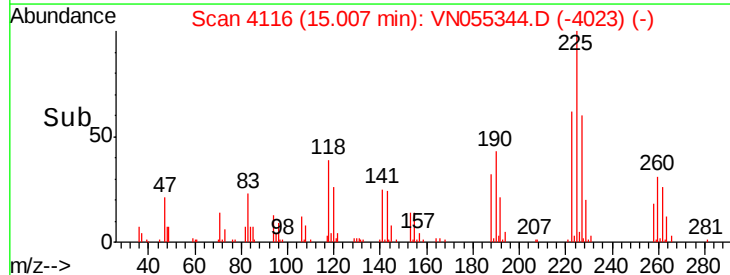
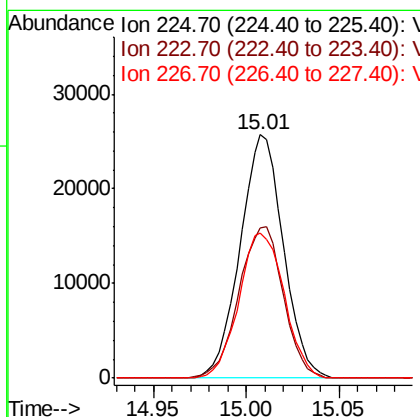
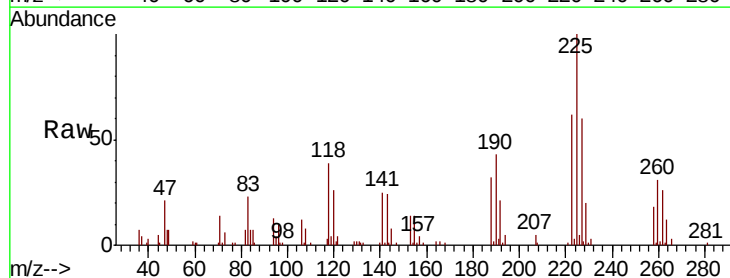
Manual Integrations
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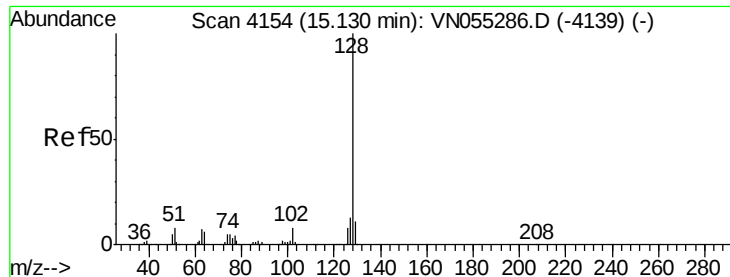
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#94
 Hexachlorobutadiene
 Concen: 21.862 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055344.D
 Acq: 2 May 2019 12:28

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	41753		
223	63.8	30.3	90.8	
227	62.4	30.9	92.7	





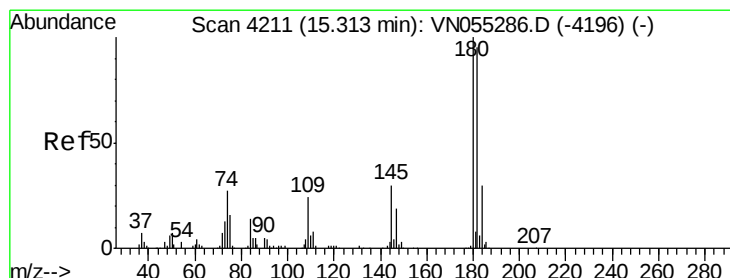
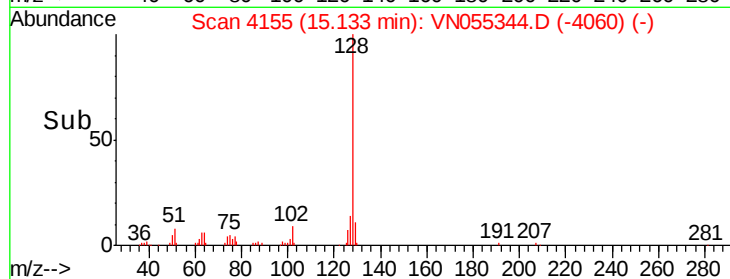
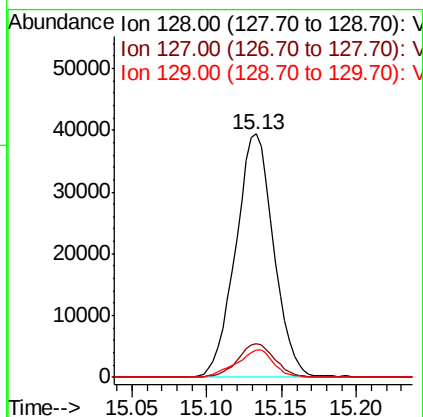
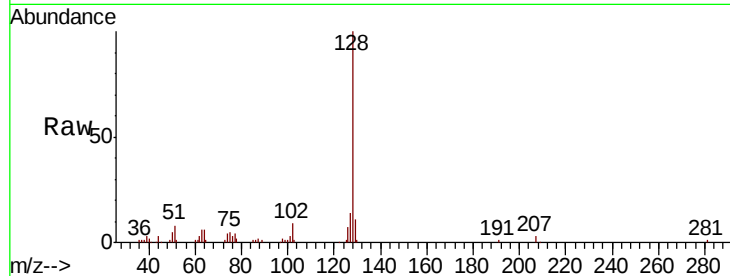
#95
Naphthalene
Concen: 16.472 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN055344.D
Acq: 2 May 2019 12:28

Instrument :
MSVOA_N
ClientSampleId :
VN0502WBSD01

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.7	16.1
129	10.9	8.6	13.0

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 18.515 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN055344.D
Acq: 2 May 2019 12:28

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.6	48.3	144.9
145	30.2	15.2	45.6

