

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041819\
 Data File : VN055128.D
 Acq On : 18 Apr 2019 18:18
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 4/19/2019 5:47:03 PM

Quant Time: Apr 19 09:19:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041519W.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 15 12:28:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	405017	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	665168	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	579670	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	245657	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	271900	50.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.00%	
35) Dibromofluoromethane	7.59	113	219221	49.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.62%	
50) Toluene-d8	10.09	98	794884	49.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.92%	
62) 4-Bromofluorobenzene	12.40	95	267208	51.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	204482	44.425	ug/l	100
3) Chloromethane	2.06	50	251775	41.938	ug/l	97
4) Vinyl Chloride	2.19	62	211928	41.999	ug/l	97
5) Bromomethane	2.55	94	107639	37.706	ug/l	95
6) Chloroethane	2.69	64	116740	42.900	ug/l	98
7) Trichlorofluoromethane	3.01	101	310121	49.142	ug/l	98
8) Diethyl Ether	3.41	74	126778	62.935	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	196056	59.365	ug/l	98
10) Methyl Iodide	3.95	142	265401	51.785	ug/l	93
11) Tert butyl alcohol	4.80	59	102120	346.054	ug/l	100
12) 1,1-Dichloroethene	3.74	96	185082	57.575	ug/l	91
13) Acrolein	3.61	56	105033	287.953	ug/l	94
14) Allyl chloride	4.32	41	390094	49.575	ug/l	98
15) Acrylonitrile	4.99	53	503718	285.299	ug/l	99
16) Acetone	3.82	43	421728	288.612	ug/l	96
17) Carbon Disulfide	4.05	76	439610	42.364	ug/l	98
18) Methyl Acetate	4.33	43	247217	58.778	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	615411	53.517	ug/l	99
20) Methylene Chloride	4.55	84	230888	44.949	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	197773	45.488	ug/l	90
22) Diisopropyl ether	5.95	45	833405	51.521	ug/l	95
23) Vinyl Acetate	5.90	43	3047922	285.066	ug/l	99
24) 1,1-Dichloroethane	5.85	63	417230	48.436	ug/l	98
25) 2-Butanone	6.84	43	649864	297.985	ug/l	99
26) 2,2-Dichloropropane	6.83	77	274607	50.509	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	241059	49.007	ug/l	100
28) Bromochloromethane	7.20	49	200203	48.214	ug/l	98
29) Tetrahydrofuran	7.22	42	419733	293.490	ug/l	99
30) Chloroform	7.37	83	403309	48.201	ug/l	100
31) Cyclohexane	7.65	56	364919	47.864	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	327546	49.410	ug/l	99
36) 1,1-Dichloropropene	7.79	75	285544	45.538	ug/l	100
37) Ethyl Acetate	6.93	43	273268	53.531	ug/l	99
38) Carbon Tetrachloride	7.78	117	272034	45.599	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	300532	44.230	ug/l	97
40) Benzene	8.04	78	894688	47.342	ug/l	100
41) Methacrylonitrile	7.18	41	148026	52.237	ug/l	97
42) 1,2-Dichloroethane	8.13	62	316769	48.277	ug/l	100
43) Isopropyl Acetate	8.17	43	460157	58.500	ug/l	99
44) Trichloroethene	8.84	130	218349	46.128	ug/l	94
45) 1,2-Dichloropropane	9.12	63	258416	49.031	ug/l	100
46) Dibromomethane	9.21	93	149180	49.728	ug/l	97
47) Bromodichloromethane	9.40	83	312222	50.481	ug/l	99
48) Methyl methacrylate	9.20	41	215957	55.391	ug/l	97
49) 1,4-Dioxane	9.20	88	51778	1417.525	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	1345660	296.118	ug/l	99
52) Toluene	10.16	92	532303	49.179	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	297525	55.045	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	357353	53.269	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	212447	50.944	ug/l	98
56) Ethyl methacrylate	10.43	69	292897	58.524	ug/l	99
57) 1,3-Dichloropropane	10.71	76	366944	51.682	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	572157	259.843	ug/l	99
59) 2-Hexanone	10.75	43	852318	298.612	ug/l	100
60) Dibromochloromethane	10.90	129	219796	53.976	ug/l	100
61) 1,2-Dibromoethane	11.01	107	205344	53.499	ug/l	98
64) Tetrachloroethene	10.63	164	209007	44.341	ug/l	97
65) Chlorobenzene	11.43	112	544723	46.684	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	213054	49.645	ug/l	99
67) Ethyl Benzene	11.51	91	993019	47.656	ug/l	100
68) m/p-Xylenes	11.62	106	722685	95.777	ug/l	99
69) o-Xylene	11.95	106	359001	49.123	ug/l	99
70) Styrene	11.96	104	606077	51.233	ug/l	99
71) Bromoform	12.13	173	141312	57.448	ug/l #	99
73) Isopropylbenzene	12.25	105	947704	43.475	ug/l	99
74) N-amyl acetate	12.07	43	346092	56.400	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	275409	47.216	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	258173m	58.443	ug/l	
77) Bromobenzene	12.53	156	236701	43.555	ug/l	98
78) n-propylbenzene	12.59	91	1038993	44.115	ug/l	100
79) 2-Chlorotoluene	12.67	91	643110	43.778	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	762411	43.340	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	64572	58.452	ug/l	91
82) 4-Chlorotoluene	12.77	91	619684	45.214	ug/l	99
83) tert-Butylbenzene	12.99	119	653884	44.013	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	752999	45.167	ug/l	100
85) sec-Butylbenzene	13.17	105	835490	44.134	ug/l	99
86) p-Isopropyltoluene	13.29	119	728938	44.882	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	380303	46.039	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	369164	46.865	ug/l	100
89) n-Butylbenzene	13.61	91	593810	49.251	ug/l	99
90) Hexachloroethane	13.87	117	119608	45.261	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	378324	45.520	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	38963	54.245	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	167072	44.649	ug/l	99
94) Hexachlorobutadiene	15.01	225	115458	44.977	ug/l	99
95) Naphthalene	15.13	128	391768	44.792	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	171722	53.559	ug/l	99

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

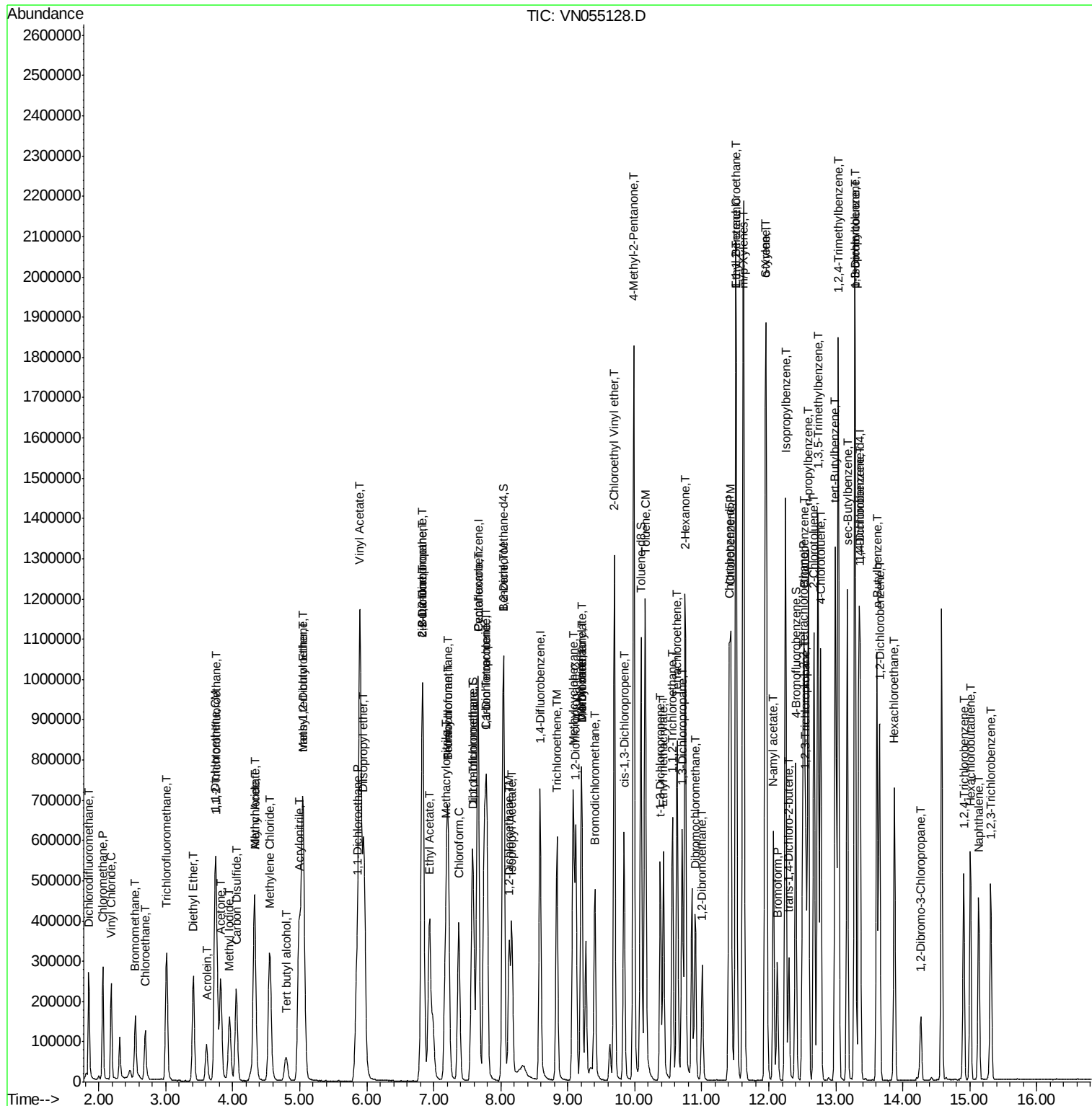
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041819\
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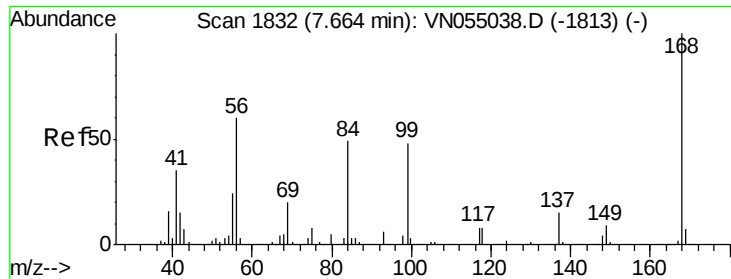
Instrument :
 MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN055128.D

Acq: 18 Apr 2019 18:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 405017

Ion Ratio Lower Upper

168 100

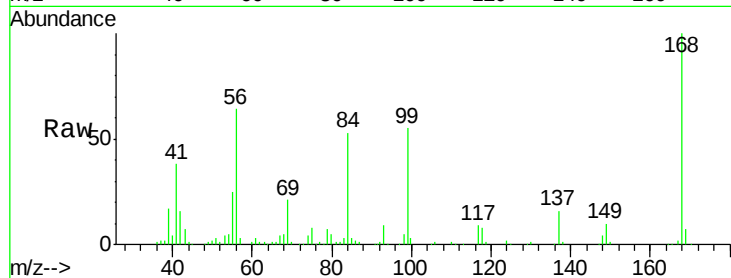
99 54.1 41.9 62.9

Manual Integrations

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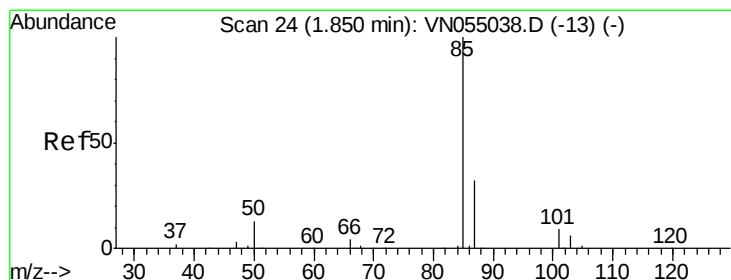
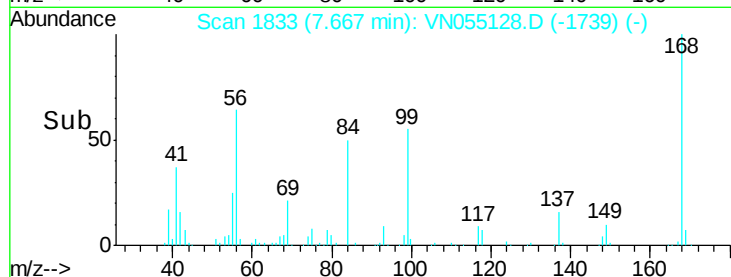
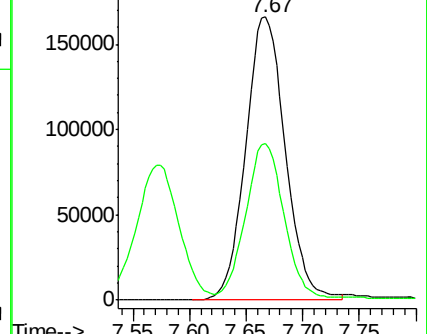
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 44.425 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN055128.D

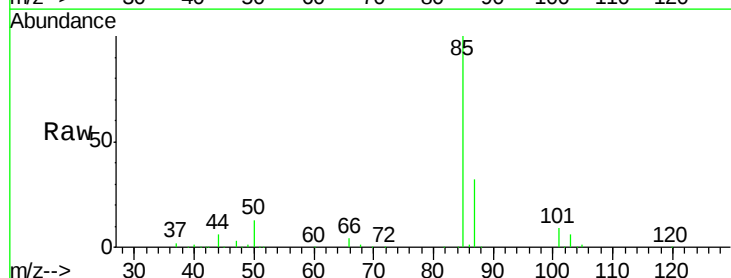
Acq: 18 Apr 2019 18:18

Tgt Ion: 85 Resp: 204482

Ion Ratio Lower Upper

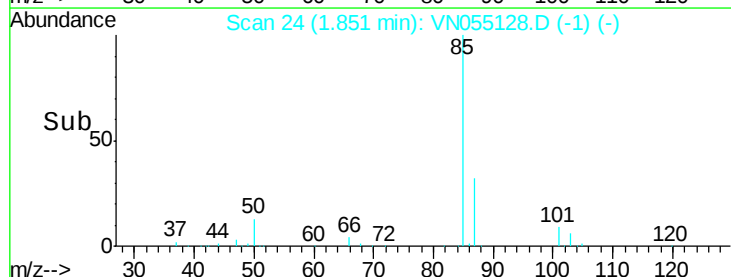
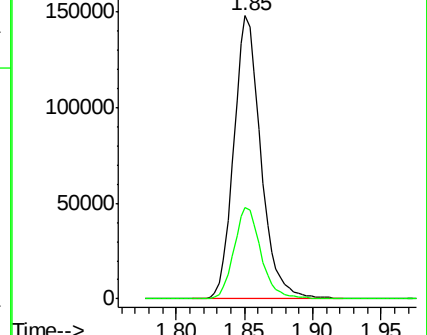
85 100

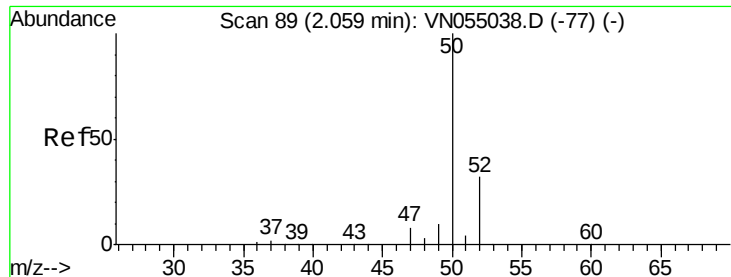
87 32.3 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 41.938 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN055128.D

Acq: 18 Apr 2019 18:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 251775

Ion Ratio Lower Upper

50 100

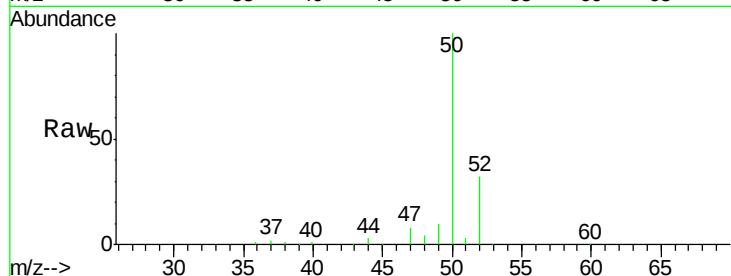
52 31.8 26.6 40.0

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VN055128.D (-1) (-)

Ion 51.90 (51.60 to 52.60): VN055128.D (-1) (-)

2.06

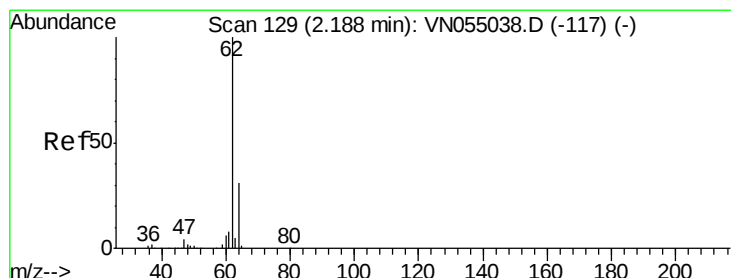
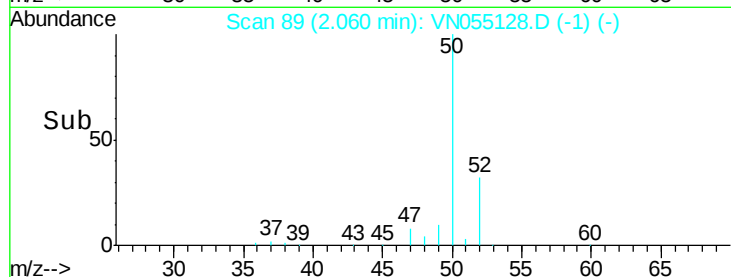
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 41.999 ug/l

RT: 2.19 min Scan# 128

Delta R.T. -0.00 min

Lab File: VN055128.D

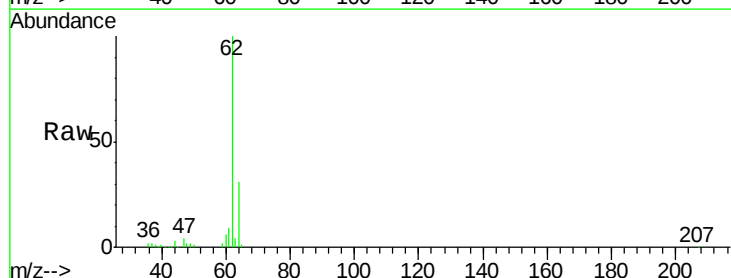
Acq: 18 Apr 2019 18:18

Tgt Ion: 62 Resp: 211928

Ion Ratio Lower Upper

62 100

64 30.7 25.8 38.6



Abundance Ion 61.90 (61.60 to 62.60): VN055128.D (-36) (-)

Ion 63.90 (63.60 to 64.60): VN055128.D (-36) (-)

2.19

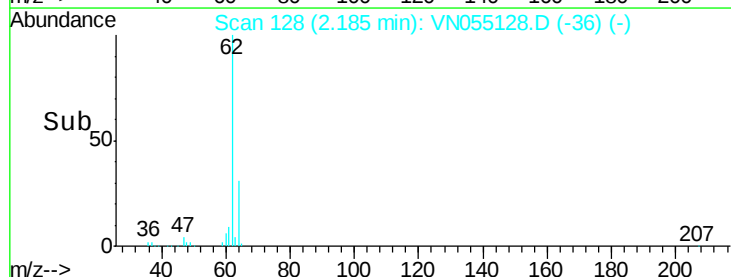
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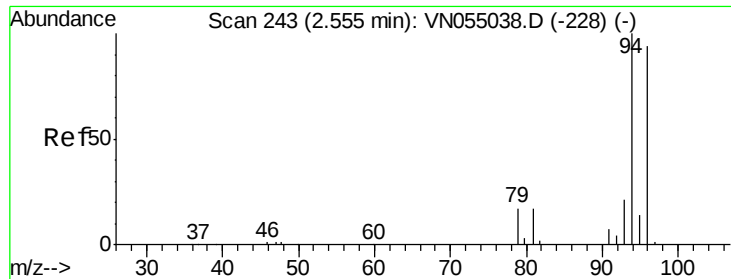
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50000

0

Time-->





#5

Bromomethane

Concen: 37.706 ug/l

RT: 2.55 min Scan# 241

Delta R.T. -0.01 min

Lab File: VN055128.D

Acq: 18 Apr 2019 18:18

Instrument :

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ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 107639

Ion Ratio Lower Upper

94 100

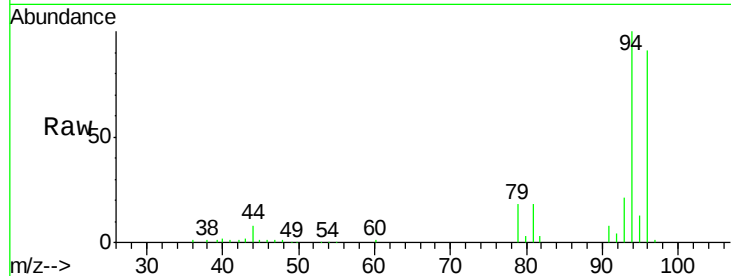
96 90.8 76.2 114.4

Manual Integrations

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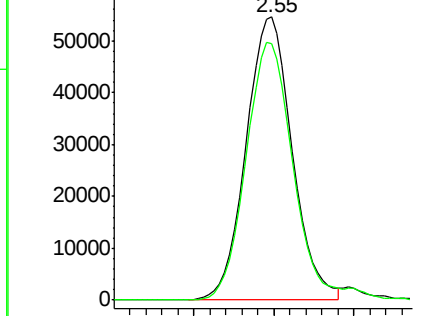
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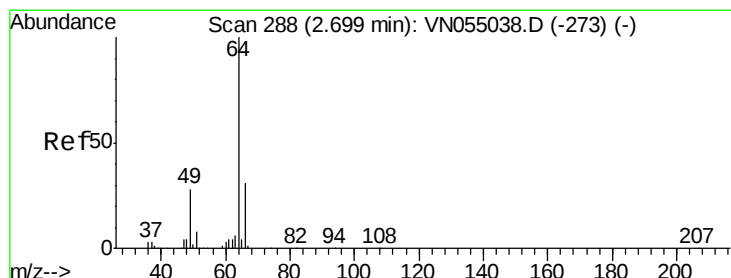
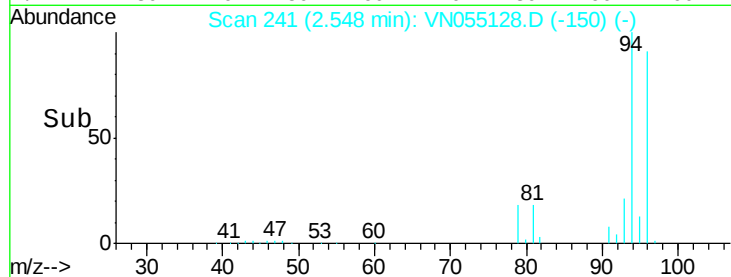


Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



Time-->



#6

Chloroethane

Concen: 42.900 ug/l

RT: 2.69 min Scan# 286

Delta R.T. -0.01 min

Lab File: VN055128.D

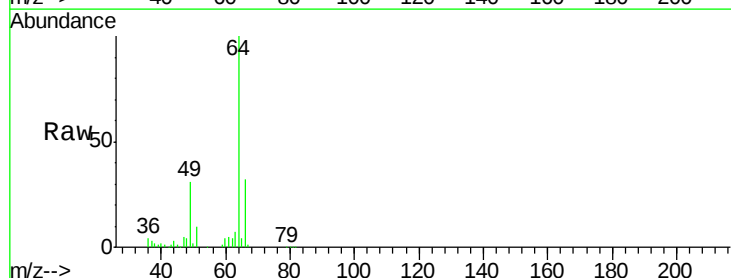
Acq: 18 Apr 2019 18:18

Tgt Ion: 64 Resp: 116740

Ion Ratio Lower Upper

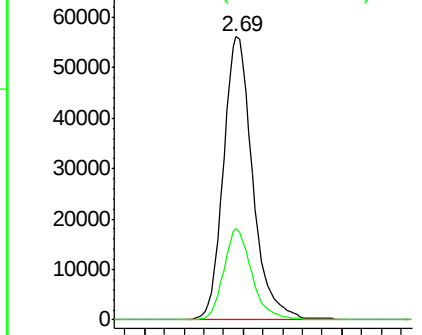
64 100

66 32.3 26.6 40.0

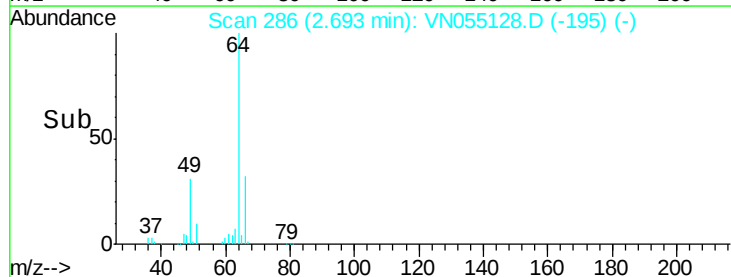


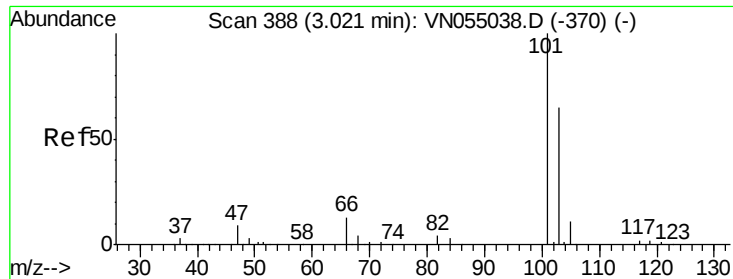
Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



Time-->





#7

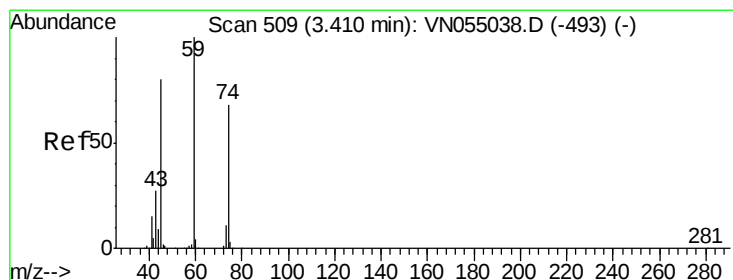
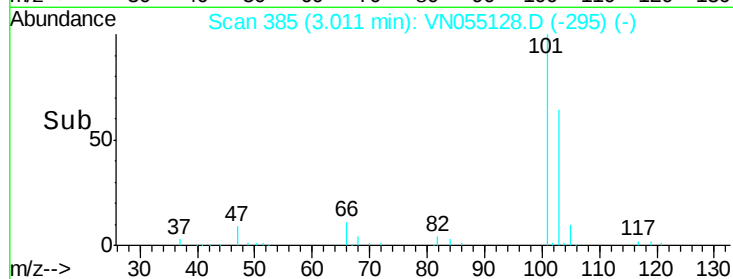
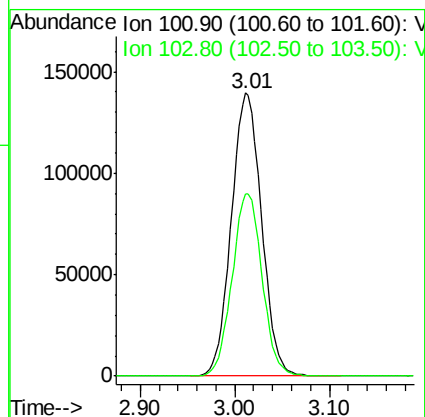
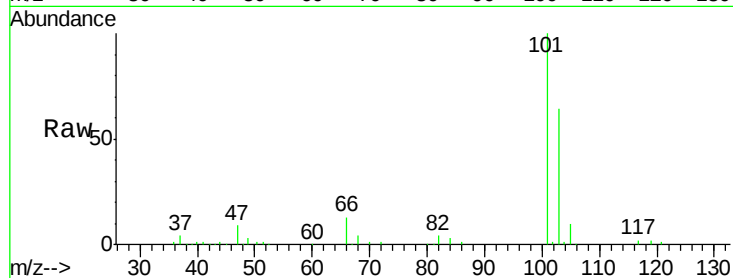
Trichlorofluoromethane
 Concen: 49.142 ug/l
 RT: 3.01 min Scan# 385
 Delta R.T. -0.01 min
 Lab File: VN055128.D
 Acq: 18 Apr 2019 18:18

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.3	52.5	78.7

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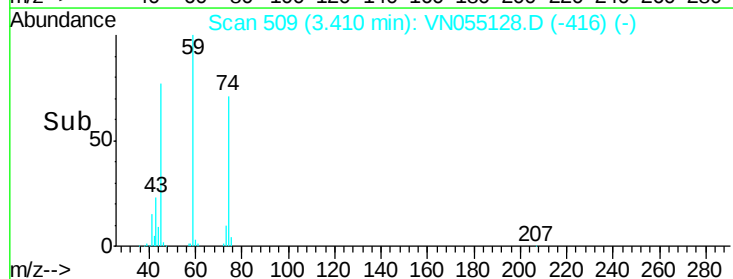
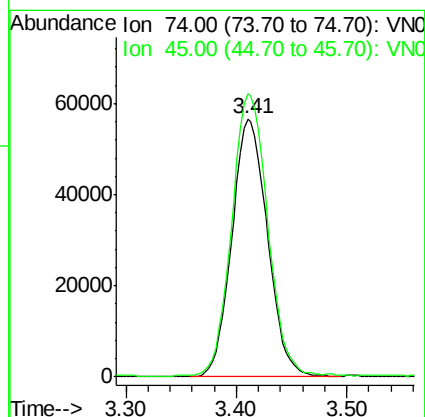
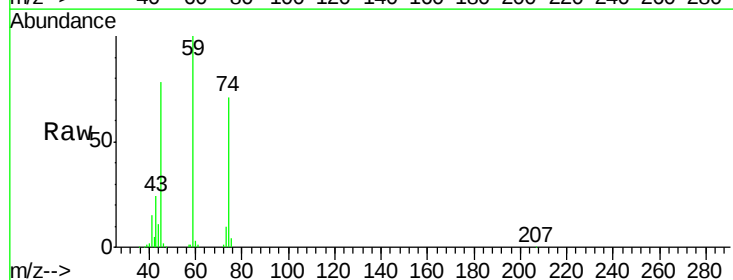
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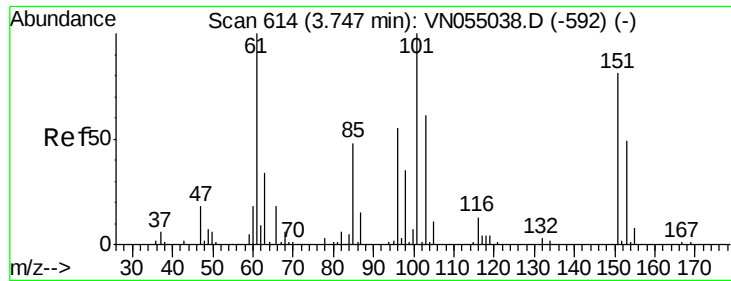


#8

Diethyl Ether
 Concen: 62.935 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: VN055128.D
 Acq: 18 Apr 2019 18:18

Tgt Ion	Ratio	Lower	Upper
74	100		
45	111.8	55.7	167.1





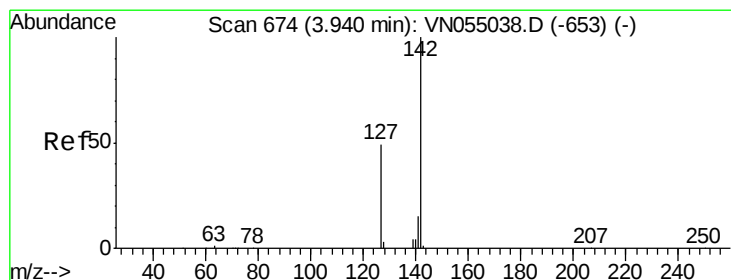
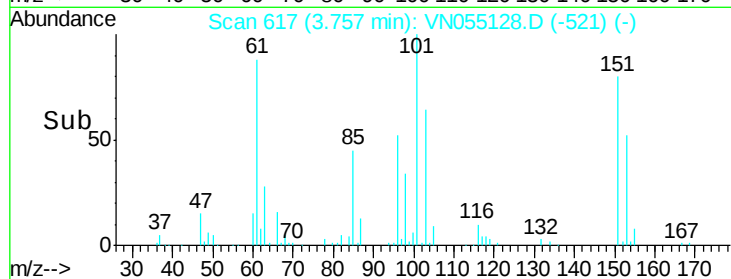
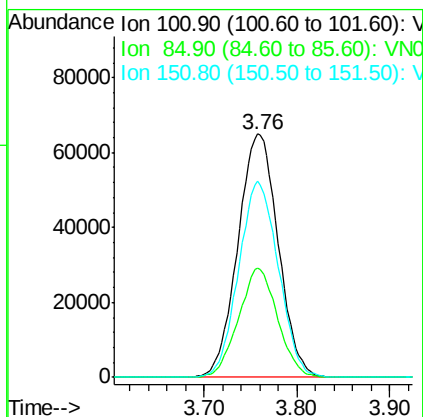
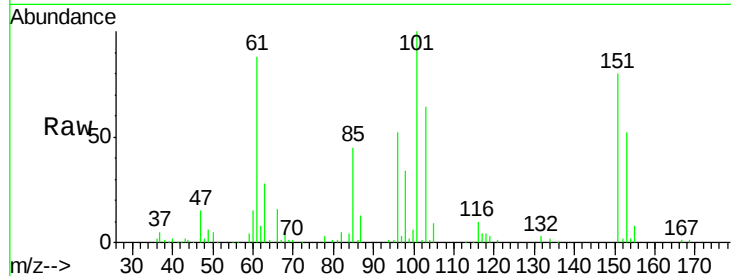
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 59.365 ug/l
 RT: 3.76 min Scan# 617
 Delta R.T. 0.01 min
 Lab File: VN055128.D
 Acq: 18 Apr 2019 18:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
101	100	196056		
85	43.5	36.9	55.3	
151	79.4	64.4	96.6	

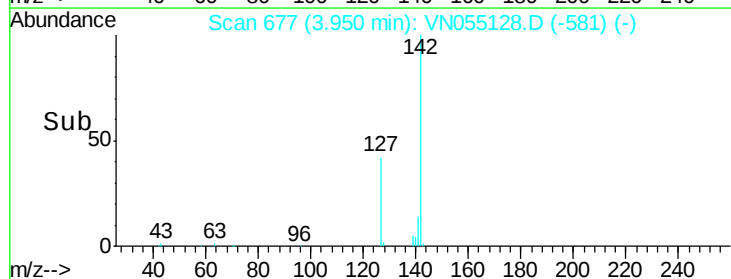
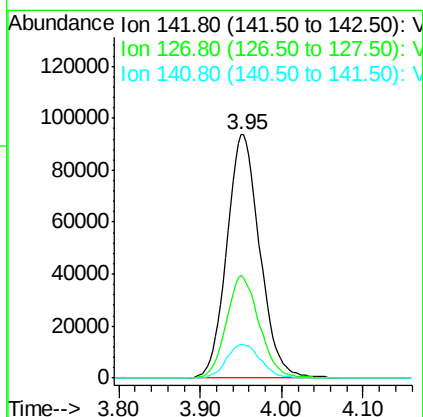
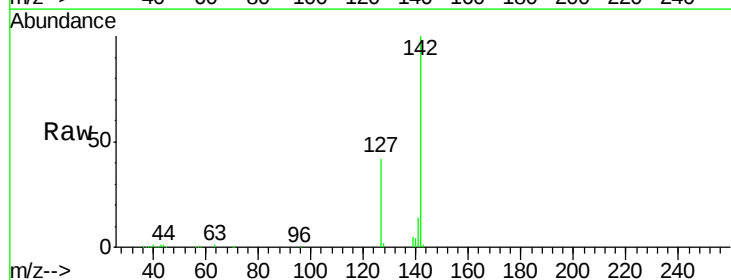
Manual Integrations
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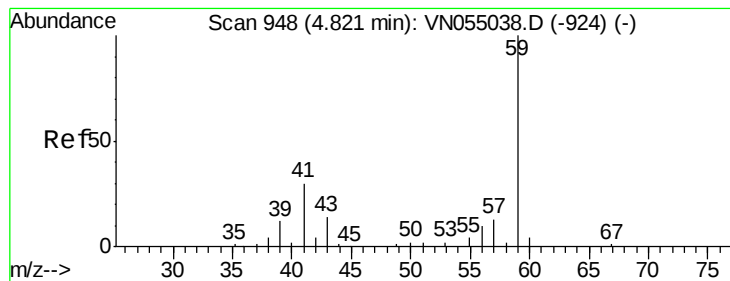
MMDadoda
 4/19/2019 5:47:03 PM



#10
 Methyl Iodide
 Concen: 51.785 ug/l
 RT: 3.95 min Scan# 677
 Delta R.T. 0.01 min
 Lab File: VN055128.D
 Acq: 18 Apr 2019 18:18

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	265401		
127	41.9	37.9	56.9	
141	14.3	11.8	17.8	





#11

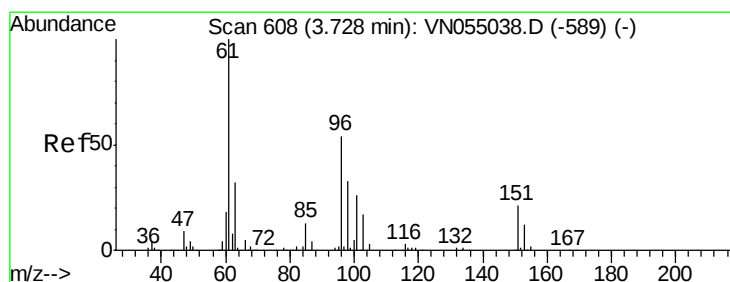
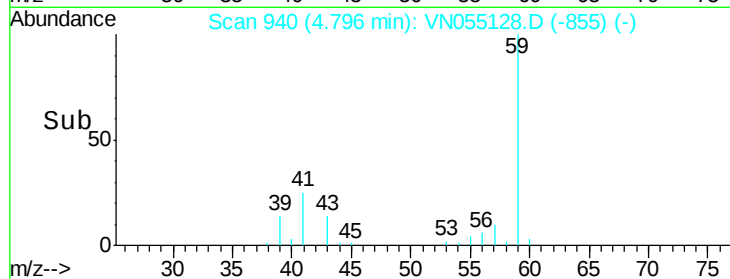
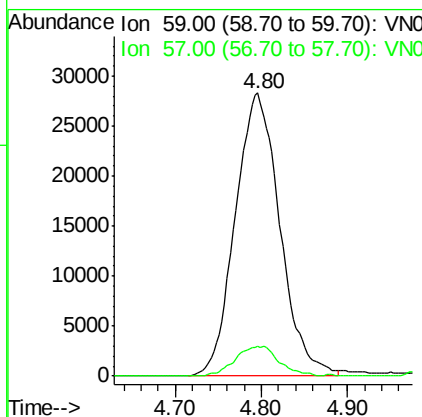
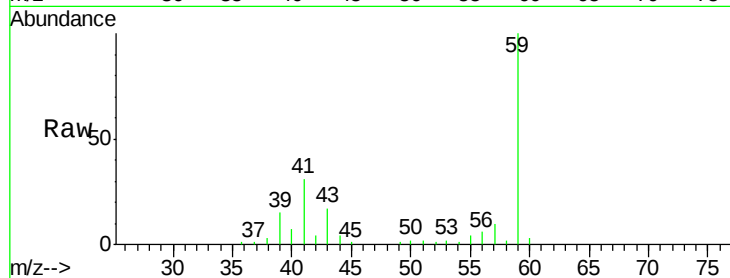
Tert butyl alcohol
 Concen: 346.054 ug/l
 RT: 4.80 min Scan# 940
 Delta R.T. -0.03 min
 Lab File: VN055128.D
 Acq: 18 Apr 2019 18:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.3	12.5

Manual Integrations
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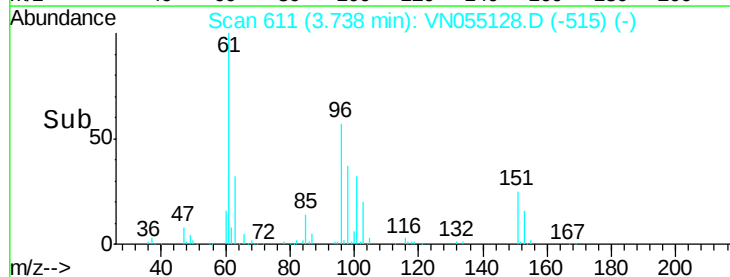
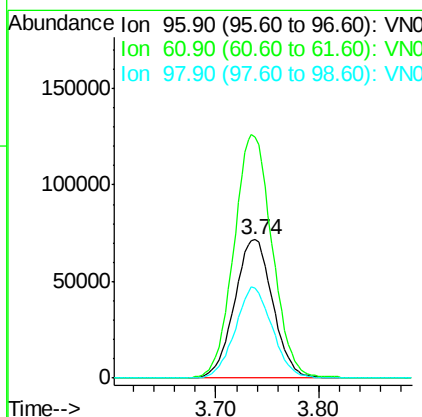
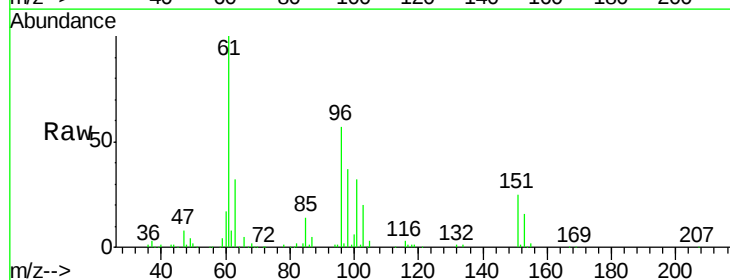
MMDadoda
 4/19/2019 5:47:03 PM

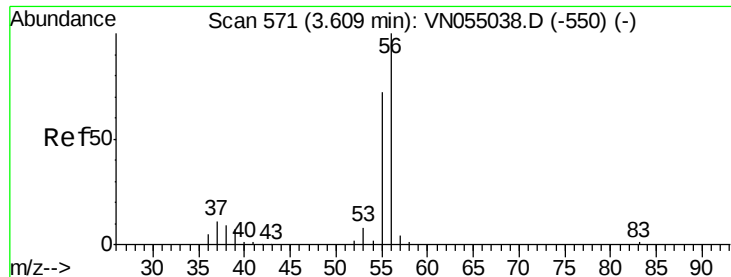


#12

1,1-Dichloroethene
 Concen: 57.575 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. 0.01 min
 Lab File: VN055128.D
 Acq: 18 Apr 2019 18:18

Tgt Ion	Ratio	Lower	Upper
96	100		
61	174.5	154.2	231.4
98	65.5	52.9	79.3





#13

Acrolein

Concen: 287.953 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN055128.D

Acq: 18 Apr 2019 18:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 105033

Ion Ratio Lower Upper

56 100

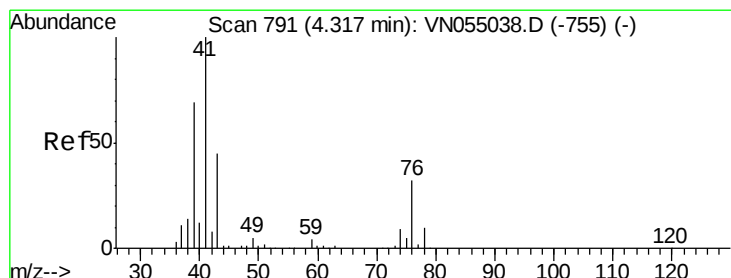
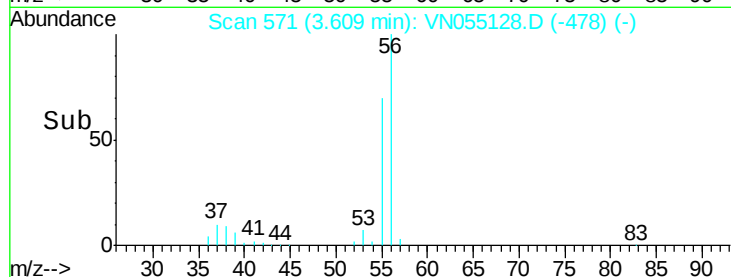
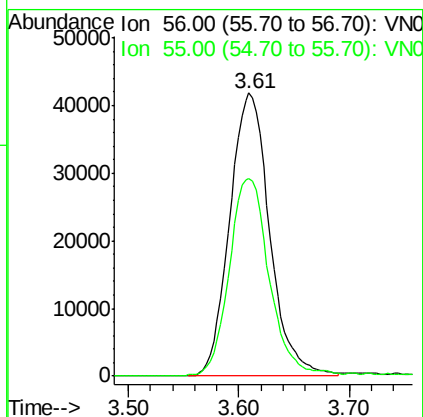
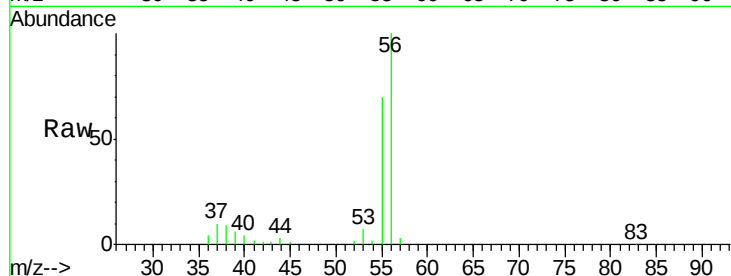
55 69.5 59.5 89.3

Manual Integrations

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#14

Allyl chloride

Concen: 49.575 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.01 min

Lab File: VN055128.D

Acq: 18 Apr 2019 18:18

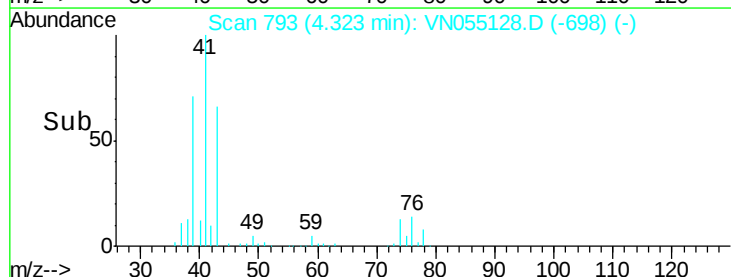
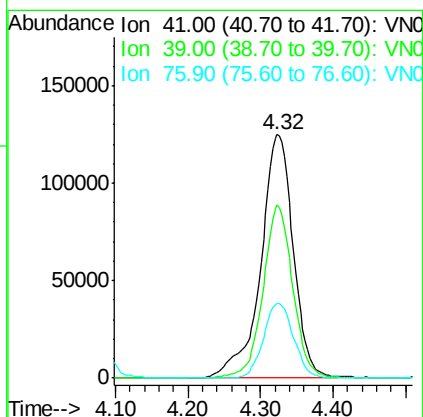
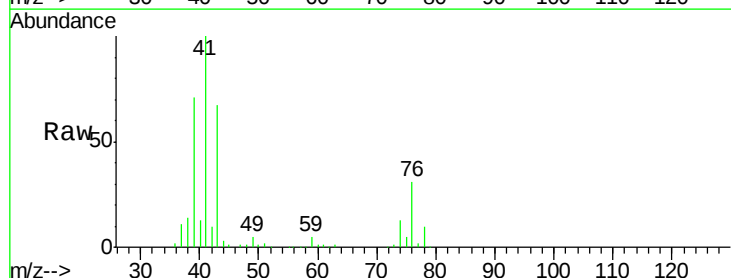
Tgt Ion: 41 Resp: 390094

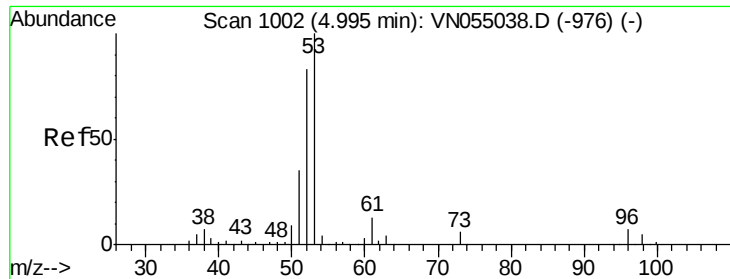
Ion Ratio Lower Upper

41 100

39 64.2 52.7 79.1

76 28.5 23.2 34.8





#15

Acrylonitrile

Concen: 285.299 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. -0.01 min

Lab File: VN055128.D

Acq: 18 Apr 2019 18:18

Instrument :

MSVOA_N

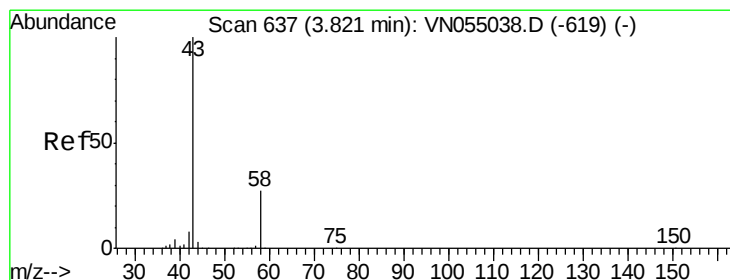
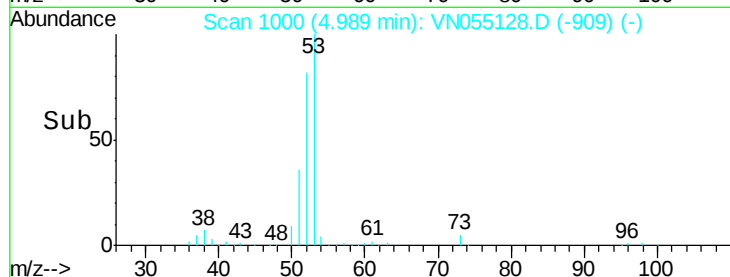
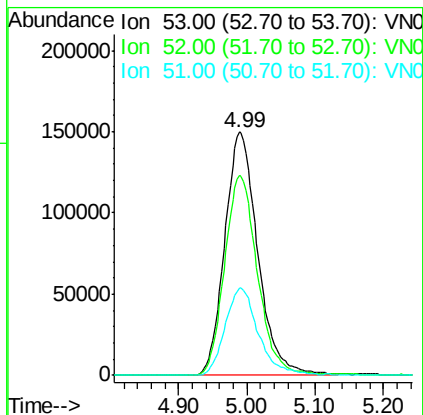
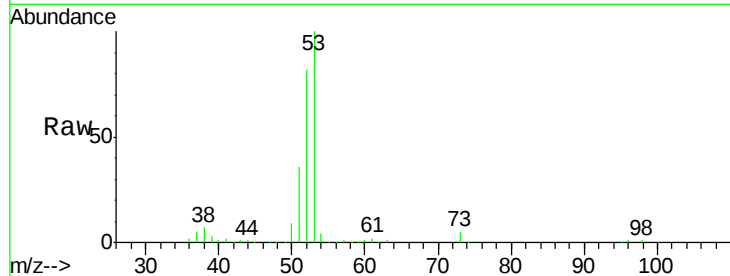
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	503718
Ion Ratio		Lower	Upper
53	100		
52	81.5	65.9	98.9
51	36.2	29.7	44.5

Manual Integrations
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#16

Acetone

Concen: 288.612 ug/l

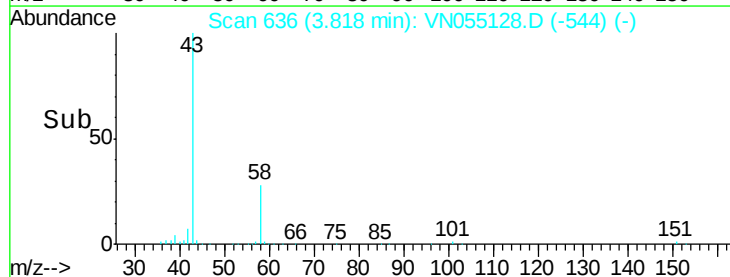
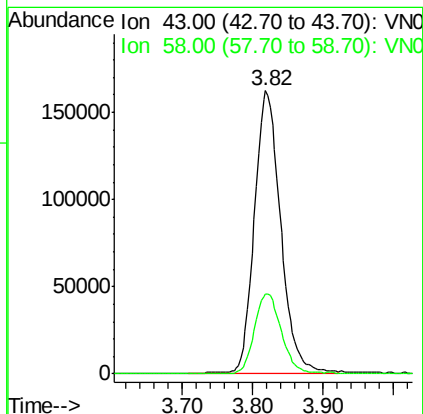
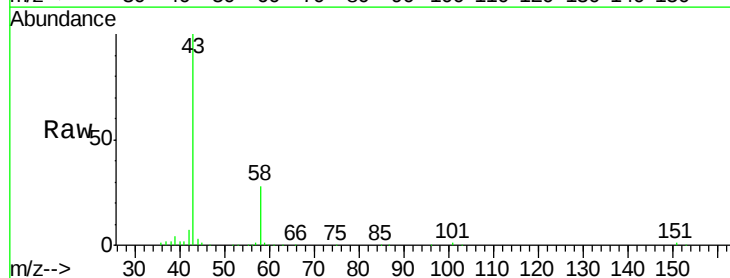
RT: 3.82 min Scan# 636

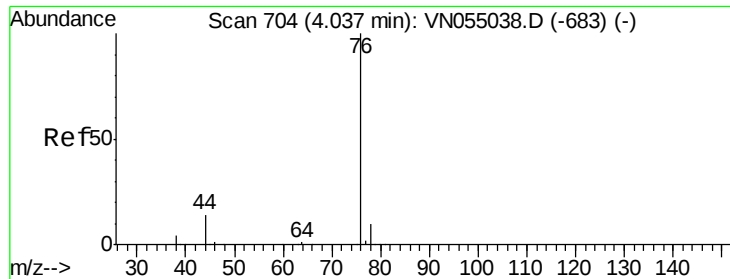
Delta R.T. -0.00 min

Lab File: VN055128.D

Acq: 18 Apr 2019 18:18

Tgt Ion:	43	Resp:	421728
Ion Ratio		Lower	Upper
43	100		
58	28.1	20.9	31.3





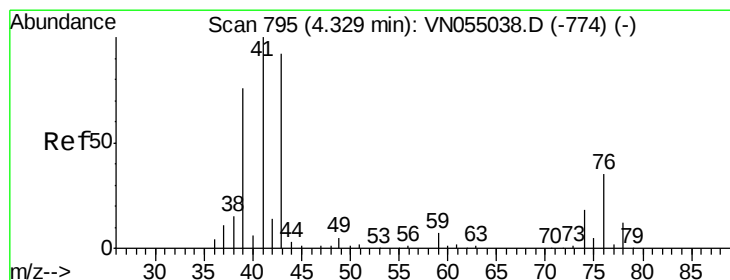
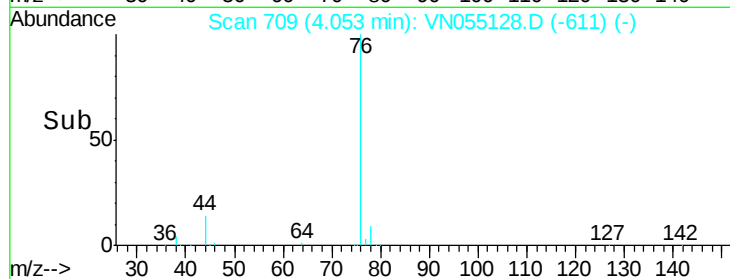
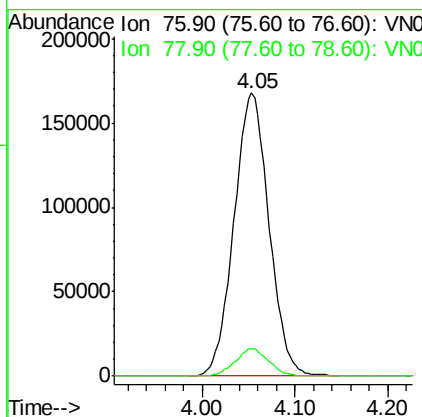
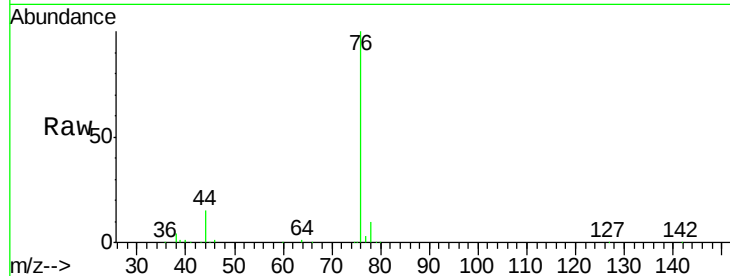
#17
Carbon Disulfide
Concen: 42.364 ug/l
RT: 4.05 min Scan# 709
Delta R.T. 0.02 min
Lab File: VN055128.D
Acq: 18 Apr 2019 18:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.7	7.2	10.8

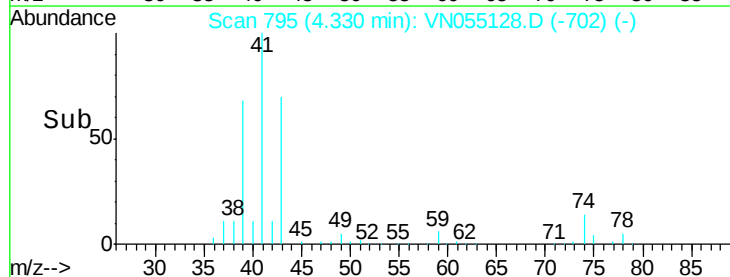
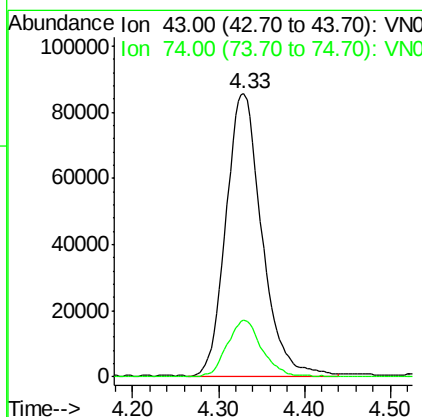
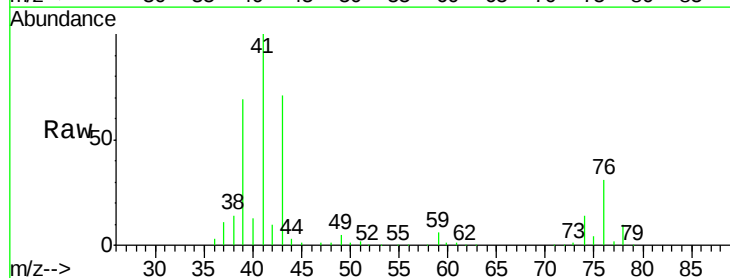
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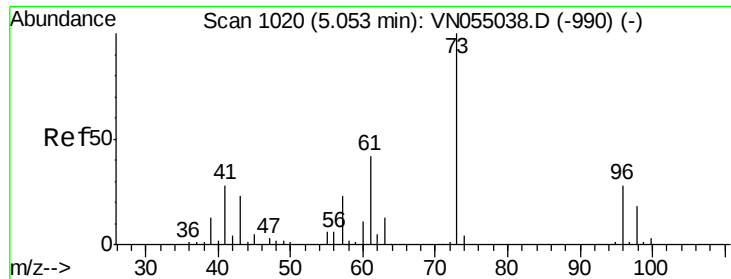
MMDadoda
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#18
Methyl Acetate
Concen: 58.778 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN055128.D
Acq: 18 Apr 2019 18:18

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.6	16.1	24.1





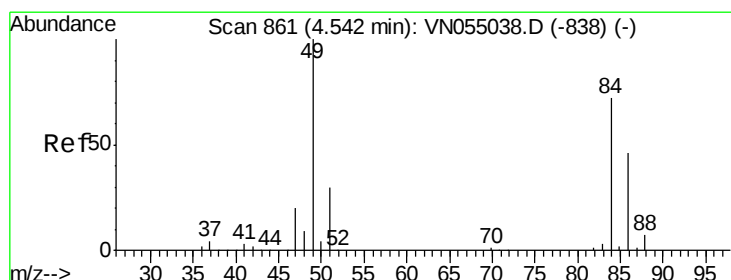
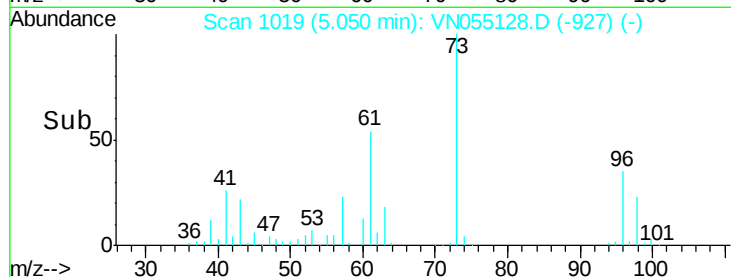
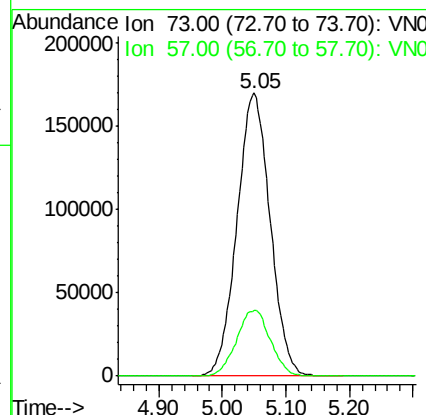
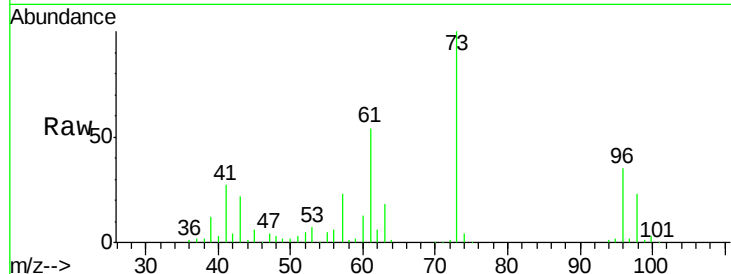
#19
Methvl tert-butvl Ether
Concen: 53.517 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. -0.00 min
Lab File: VN055128.D
Acq: 18 Apr 2019 18:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 615411
Ion Ratio Lower Upper
73 100
57 23.1 19.0 28.4

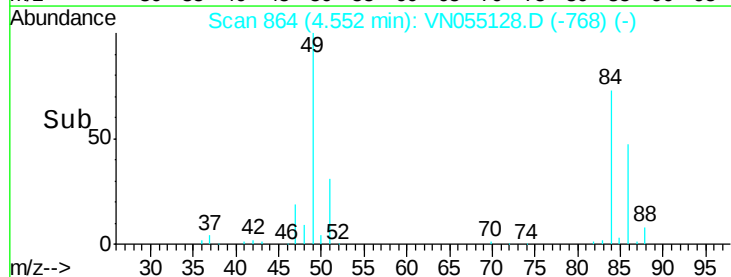
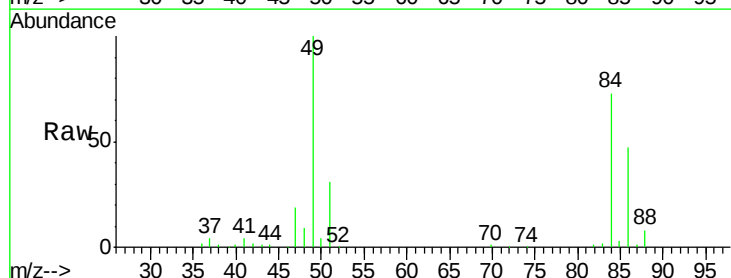
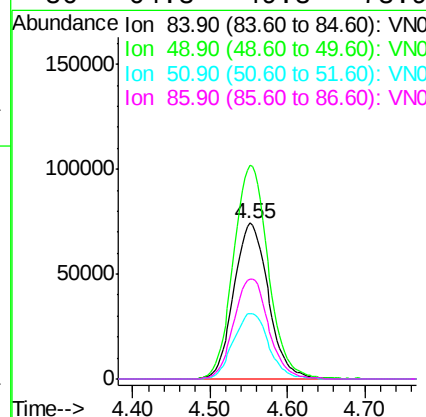
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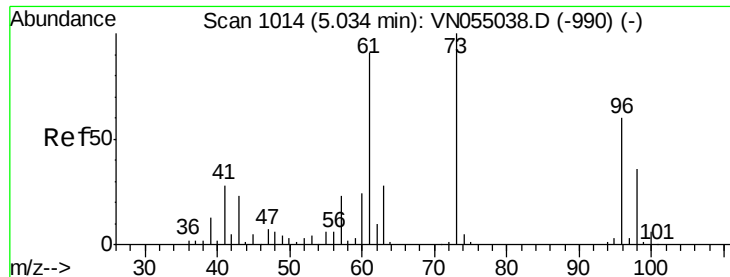
MMDadoda
4/19/2019 5:47:03 PM



#20
Methylene Chloride
Concen: 44.949 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.01 min
Lab File: VN055128.D
Acq: 18 Apr 2019 18:18

Tgt Ion: 84 Resp: 230888
Ion Ratio Lower Upper
84 100
49 136.9 109.4 164.2
51 42.3 32.2 48.4
86 64.3 49.3 73.9





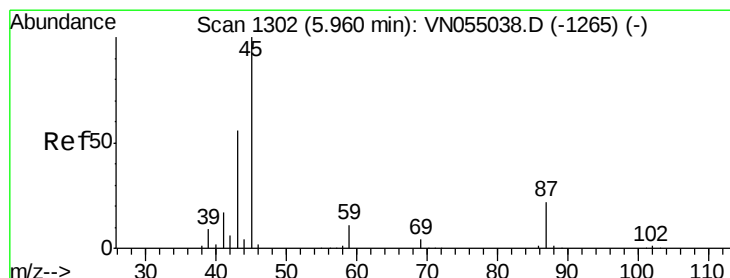
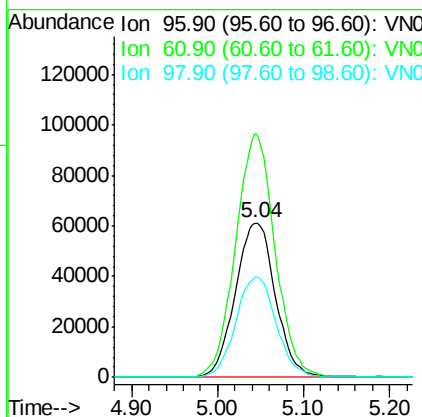
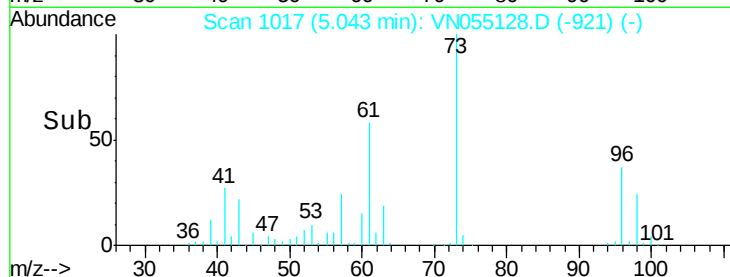
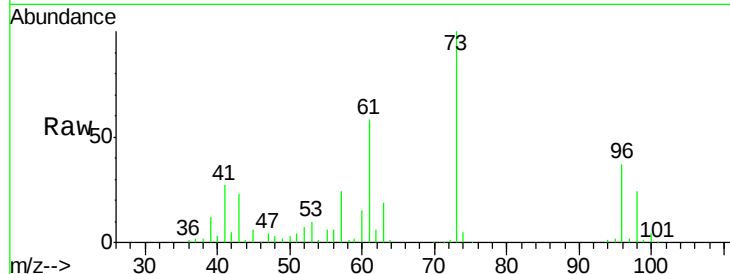
#21
trans-1,2-Dichloroethene
Concen: 45.488 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.01 min
Lab File: VN055128.D
Acq: 18 Apr 2019 18:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	157.9	114.9	172.3
98	65.0	48.4	72.6

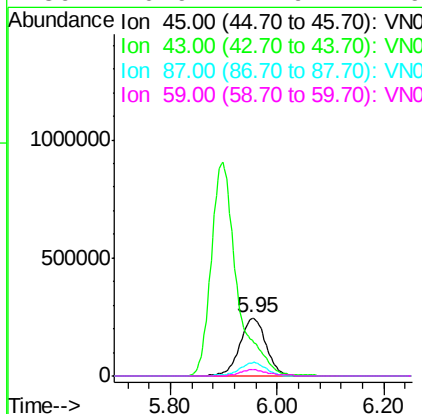
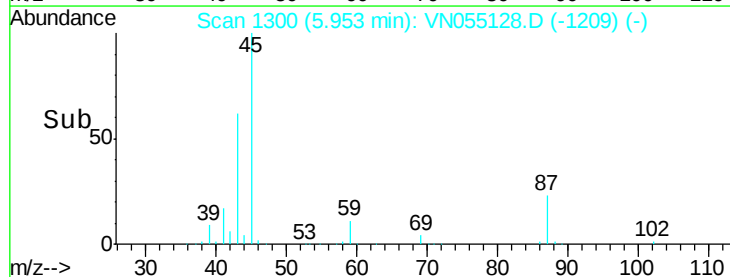
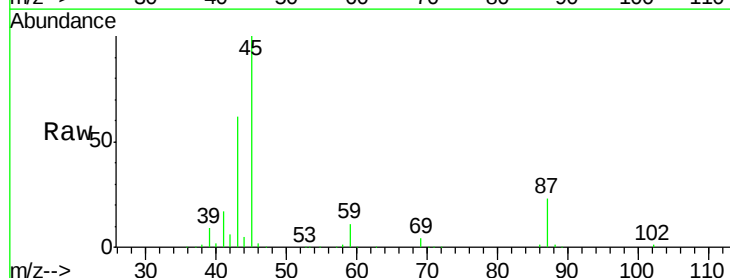
Manual Integrations
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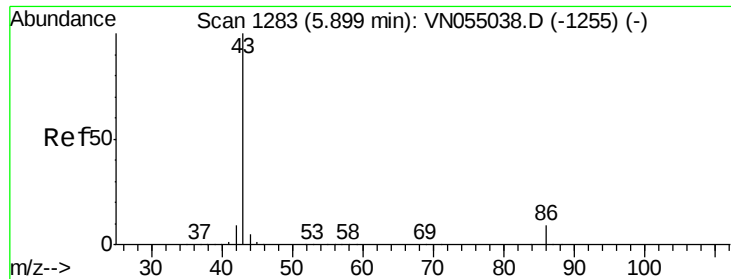
MMDadoda
4/19/2019 5:47:03 PM



#22
Diisopropyl ether
Concen: 51.521 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. -0.01 min
Lab File: VN055128.D
Acq: 18 Apr 2019 18:18

Tgt Ion	Ratio	Lower	Upper
45	100		
43	60.9	44.8	67.2
87	22.7	18.9	28.3
59	10.9	7.9	11.9





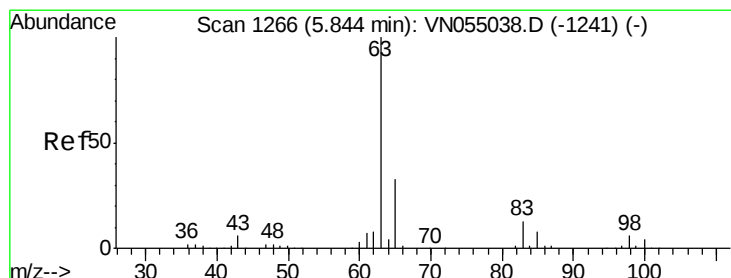
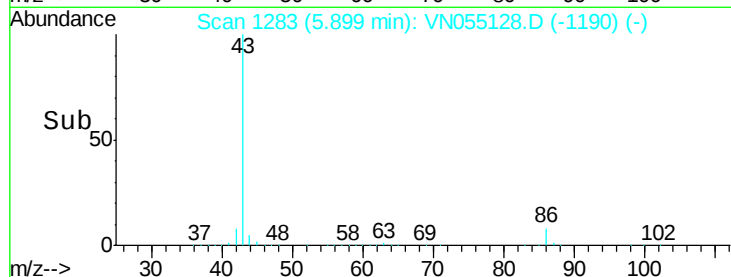
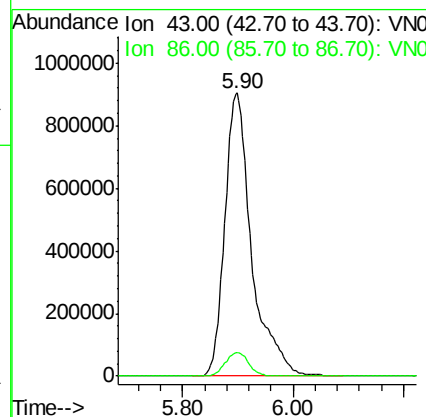
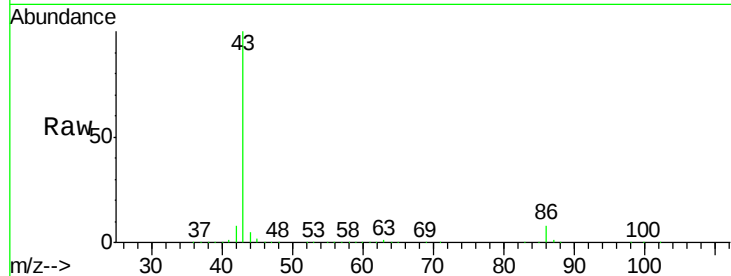
#23
 Vinyl Acetate
 Concen: 285.066 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN055128.D
 Acq: 18 Apr 2019 18:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 3047922
 Ion Ratio Lower Upper
 43 100
 86 8.3 7.0 10.4

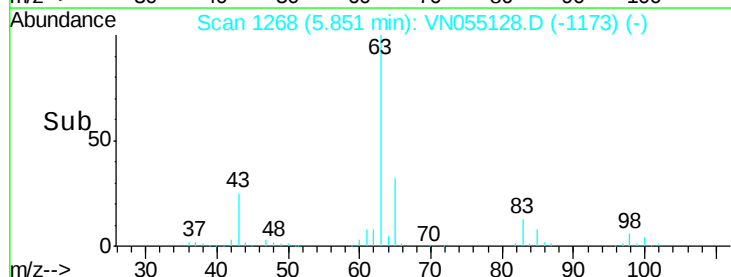
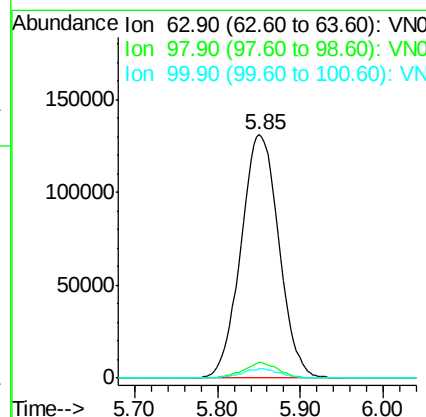
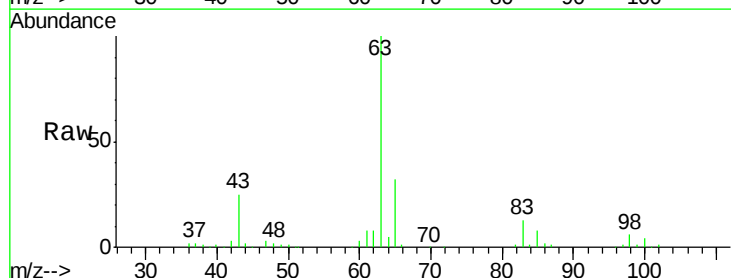
Manual Integrations
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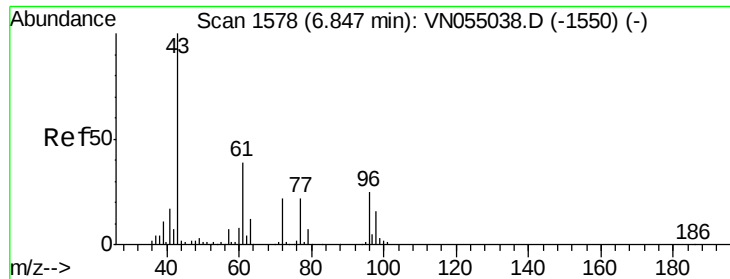
MMDadoda
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#24
 1,1-Dichloroethane
 Concen: 48.436 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. 0.01 min
 Lab File: VN055128.D
 Acq: 18 Apr 2019 18:18

Tgt Ion: 63 Resp: 417230
 Ion Ratio Lower Upper
 63 100
 98 6.4 2.8 8.4
 100 3.6 2.0 5.8





#25

2-Butanone

Concen: 297.985 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. -0.01 min

Lab File: VN055128.D

Acq: 18 Apr 2019 18:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 649864

Ion Ratio Lower Upper

43 100

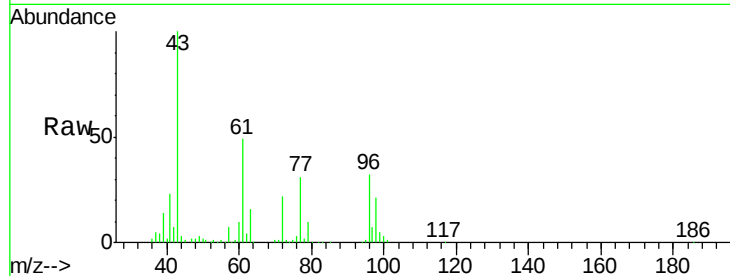
72 22.3 18.1 27.1

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN055038.D (-1550) (-)

Ion 72.00 (71.70 to 72.70): VN055038.D (-1550) (-)

6.84

250000

200000

150000

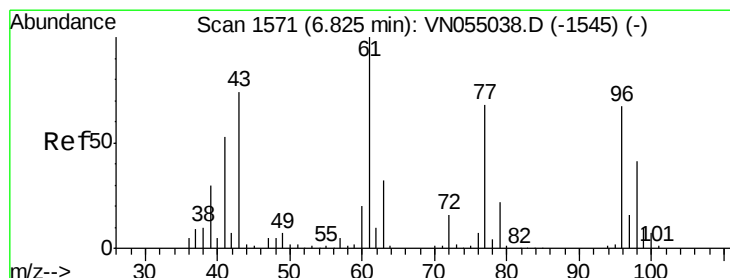
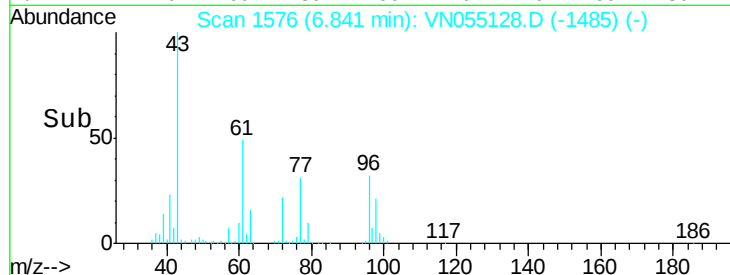
100000

50000

0

6.75 6.80 6.85 6.90

Time-->



#26

2,2-Dichloropropane

Concen: 50.509 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN055128.D

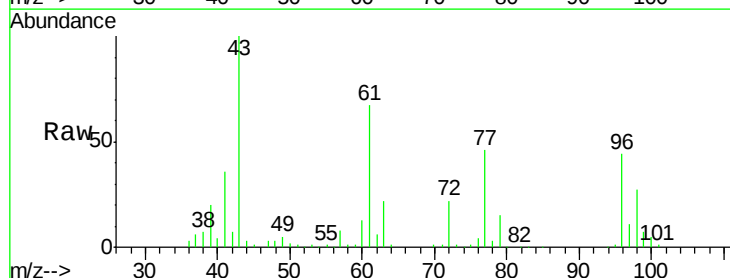
Acq: 18 Apr 2019 18:18

Tgt Ion: 77 Resp: 274607

Ion Ratio Lower Upper

77 100

97 23.4 11.3 33.9



Abundance Ion 76.90 (76.60 to 77.60): VN055038.D (-1545) (-)

Ion 96.90 (96.60 to 97.60): VN055038.D (-1545) (-)

6.83

100000

80000

60000

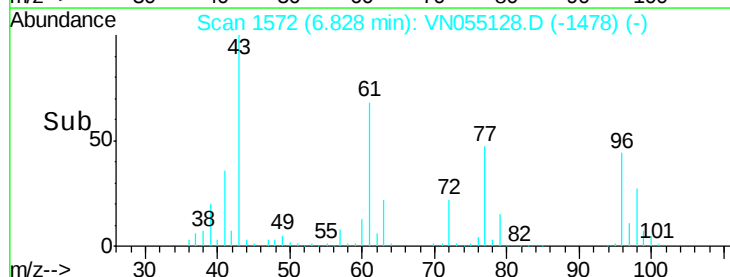
40000

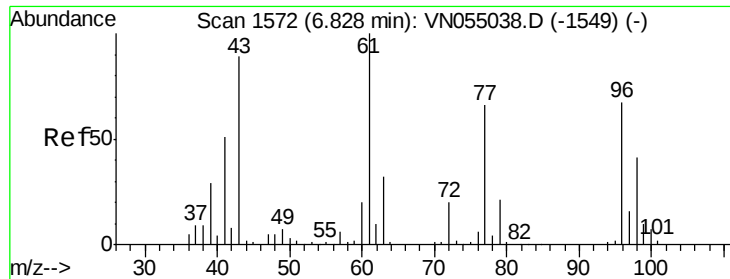
20000

0

6.70 6.80 6.90

Time-->





#27

cis-1,2-Dichloroethene

Concen: 49.007 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN055128.D

Acq: 18 Apr 2019 18:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 241059

Ion Ratio Lower Upper

96 100

61 155.7 0.0 311.0

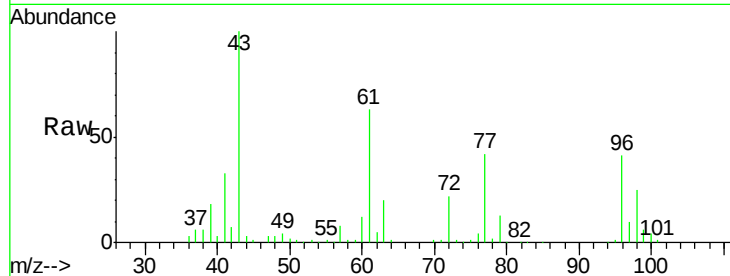
98 63.6 0.0 127.4

Manual Integrations

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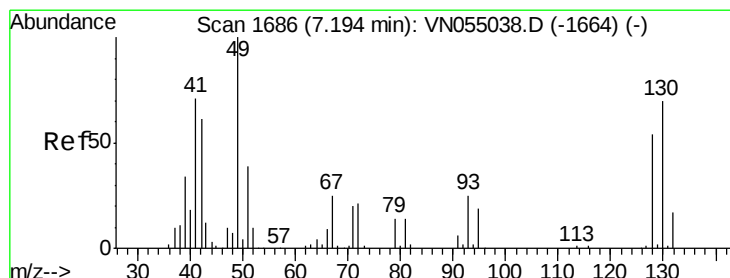
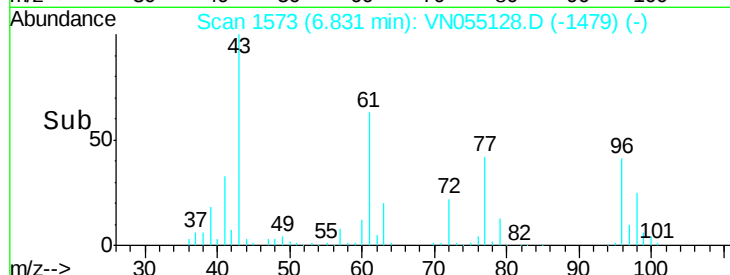
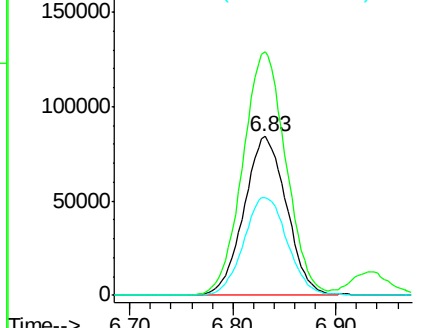
4/19/2019 5:47:03 PM



Abundance Ion 95.90 (95.60 to 96.60): VNO

Ion 60.90 (60.60 to 61.60): VNO

Ion 97.90 (97.60 to 98.60): VNO



#28

Bromochloromethane

Concen: 48.214 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN055128.D

Acq: 18 Apr 2019 18:18

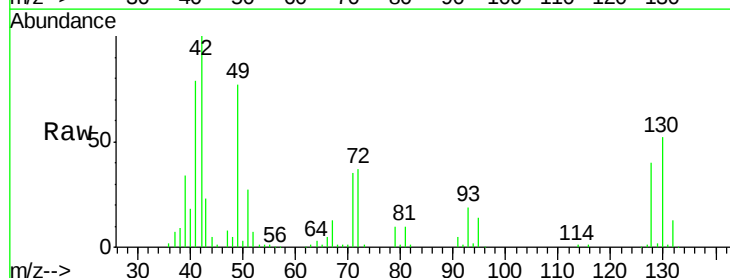
Tgt Ion: 49 Resp: 200203

Ion Ratio Lower Upper

49 100

129 1.8 0.0 2.0

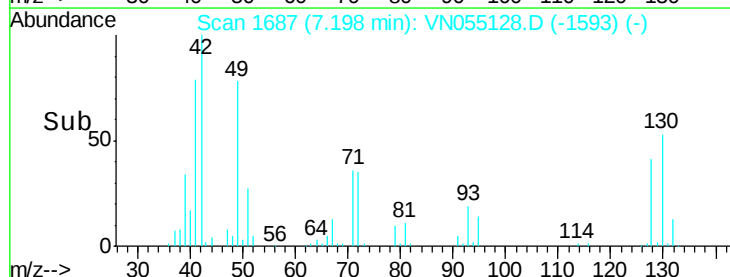
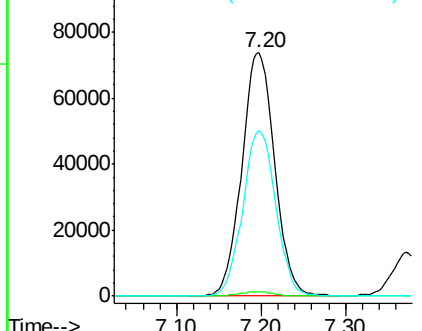
130 68.1 53.4 80.2

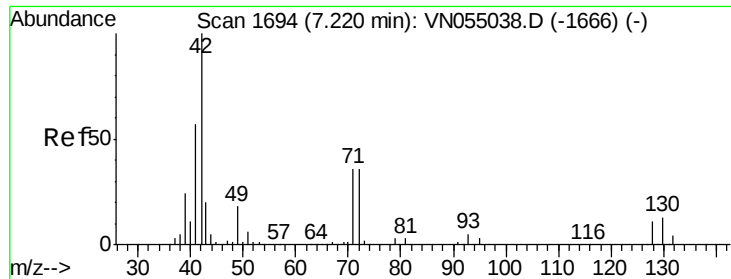


Abundance Ion 48.90 (48.60 to 49.60): VNO

Ion 128.80 (128.50 to 129.50): VNO

Ion 129.80 (129.50 to 130.50): VNO





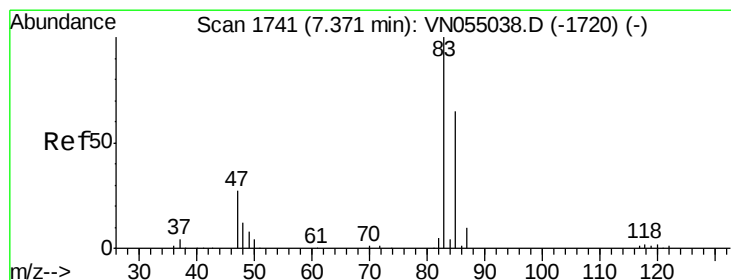
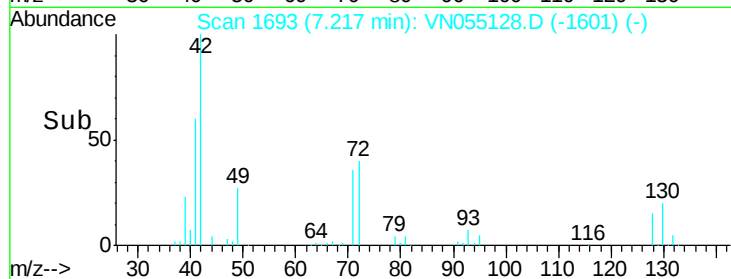
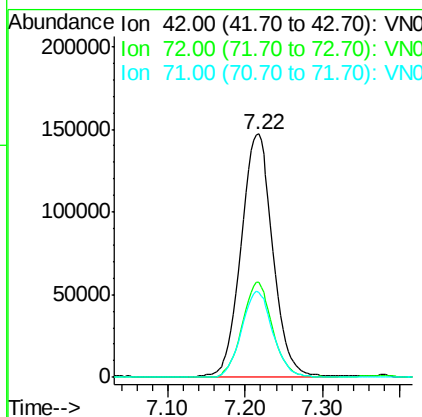
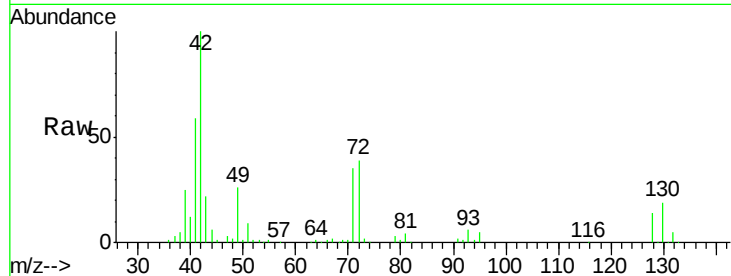
#29
Tetrahydrofuran
Concen: 293.490 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. -0.00 min
Lab File: VN055128.D
Acq: 18 Apr 2019 18:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.4	29.4	44.0
71	35.0	27.8	41.6

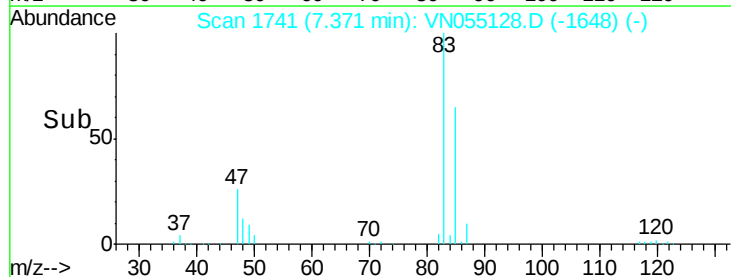
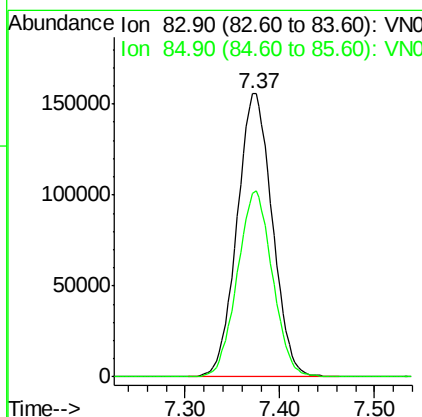
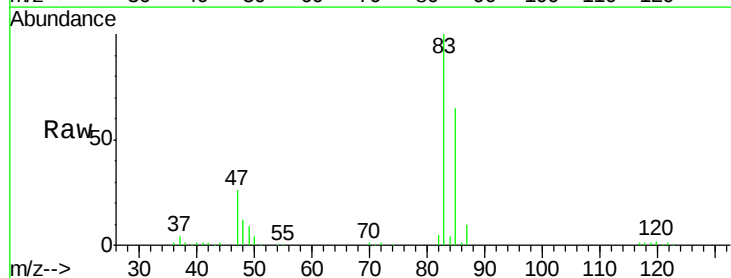
Manual Integrations
APPROVED

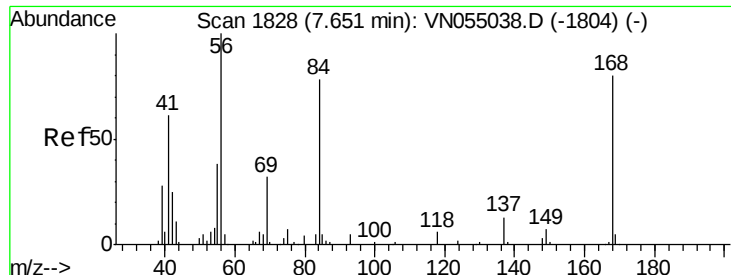
MMDadoda
4/19/2019 5:47:03 PM



#30
Chloroform
Concen: 48.201 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN055128.D
Acq: 18 Apr 2019 18:18

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.8	77.6





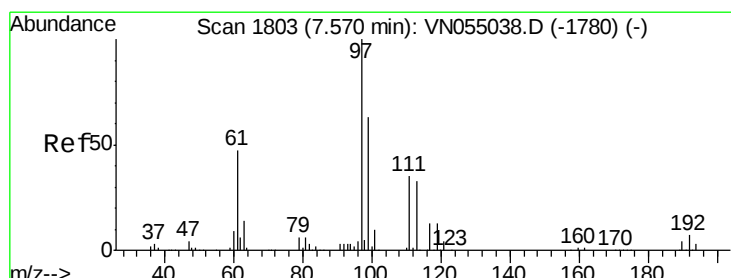
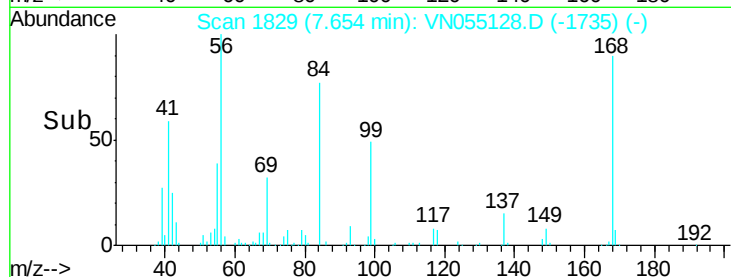
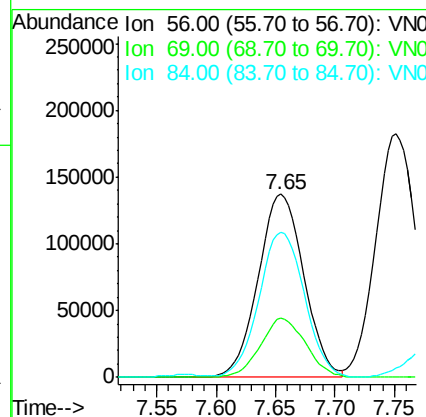
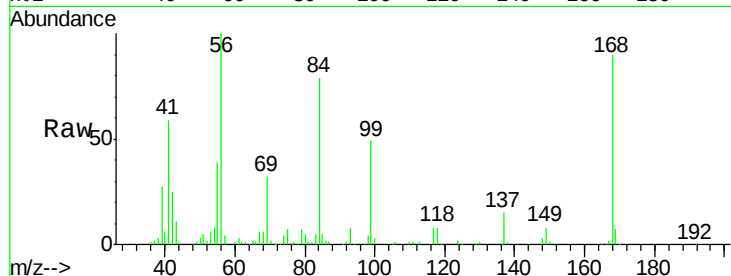
#31
Cyclohexane
Concen: 47.864 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN055128.D
Acq: 18 Apr 2019 18:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.3	24.5	36.7
84	78.0	62.9	94.3

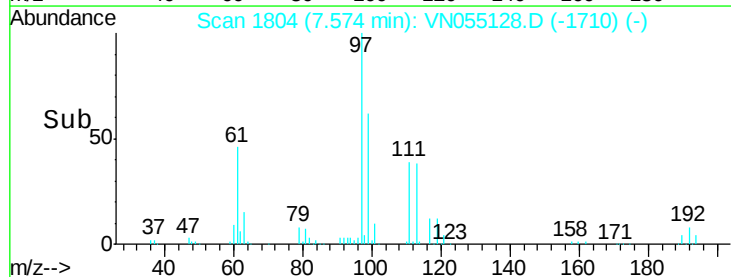
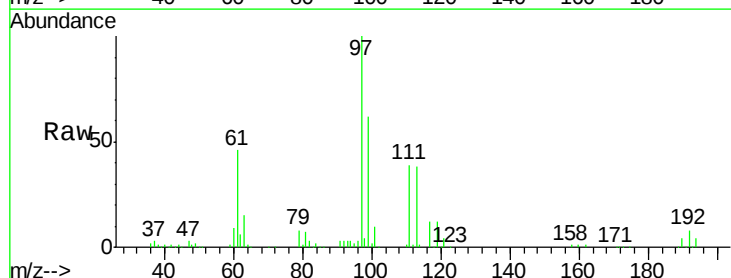
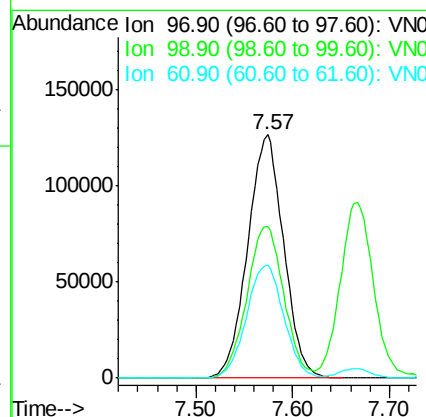
Manual Integrations
APPROVED

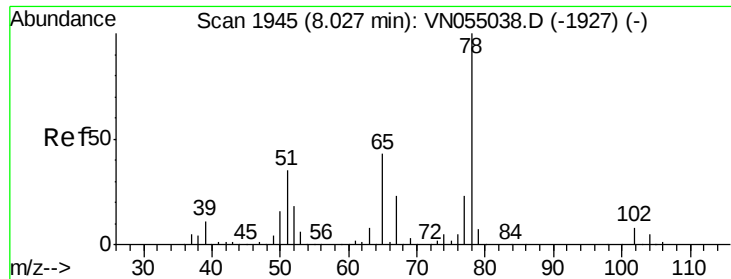
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 49.410 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VN055128.D
Acq: 18 Apr 2019 18:18

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.6	77.4
61	48.3	38.3	57.5





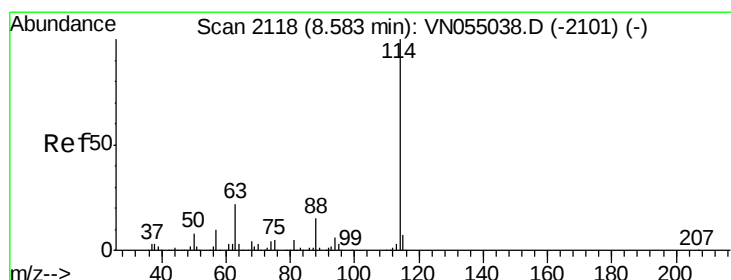
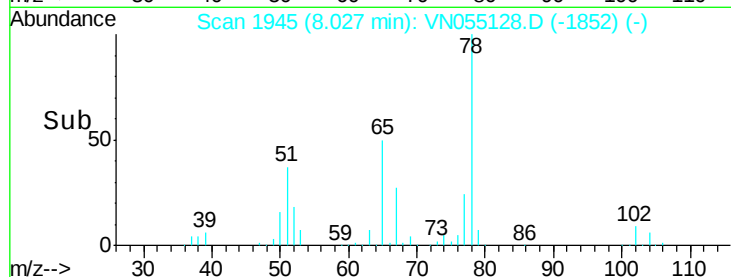
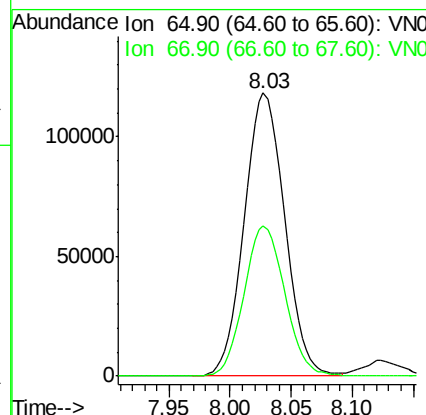
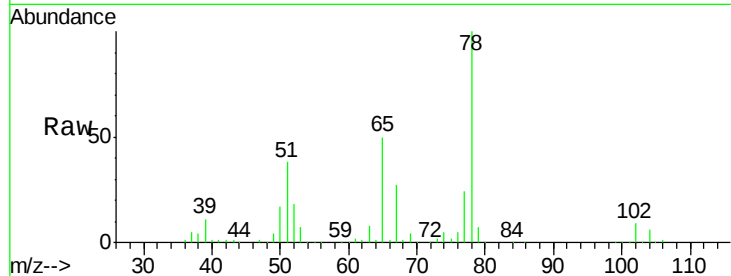
#33
 1,2-Dichloroethane-d4
 Concen: 50.504 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055128.D
 Acq: 18 Apr 2019 18:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	271900		
67	53.5	0.0	106.4	

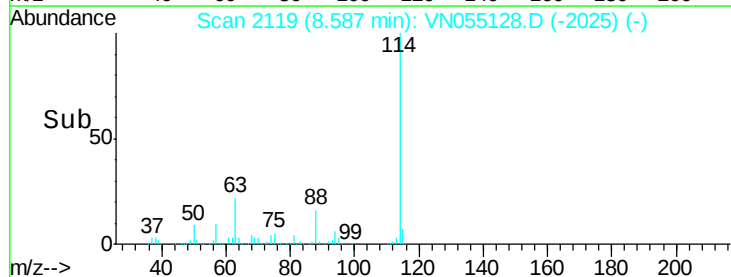
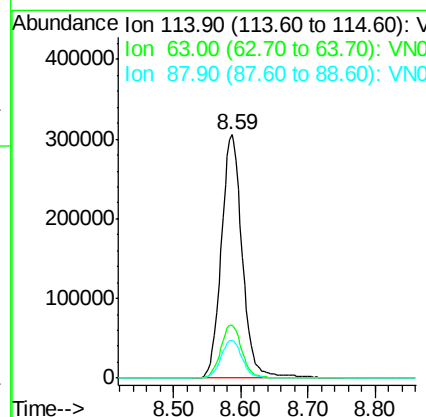
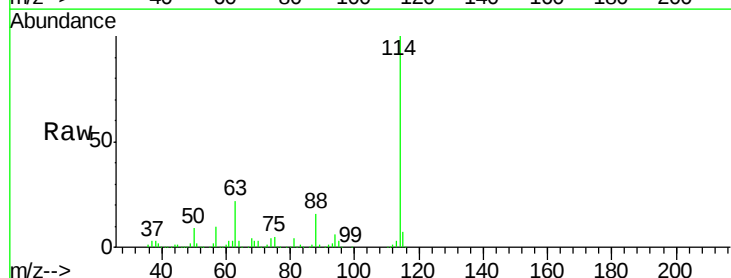
Manual Integrations
 APPROVED

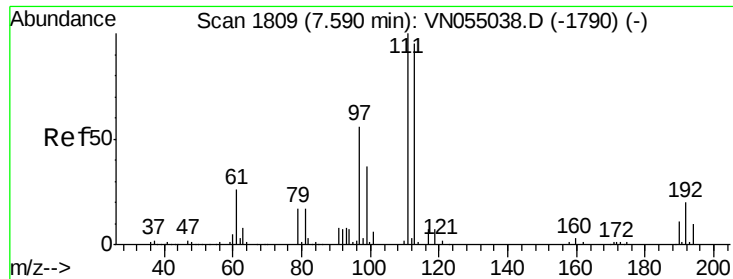
MMDadoda
 4/19/2019 5:47:03 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055128.D
 Acq: 18 Apr 2019 18:18

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	665168		
63	21.8	0.0	45.2	
88	15.6	0.0	31.8	





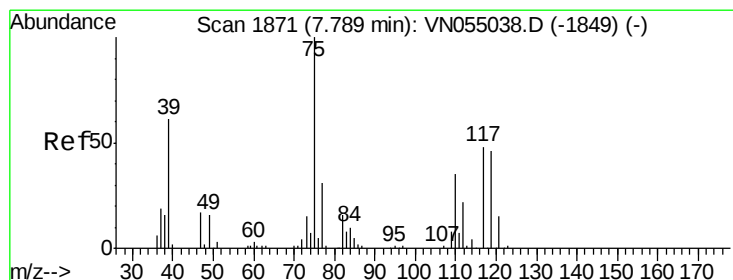
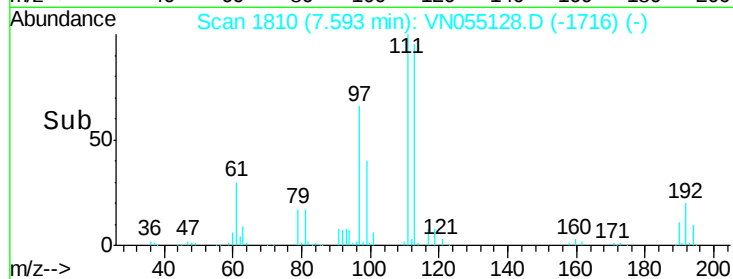
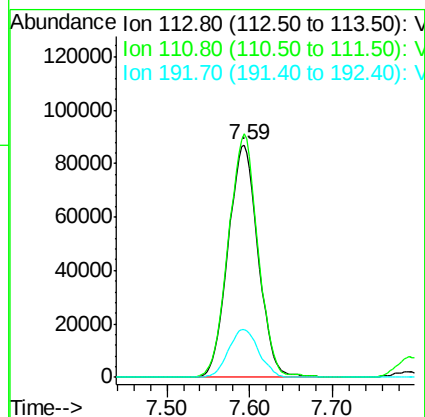
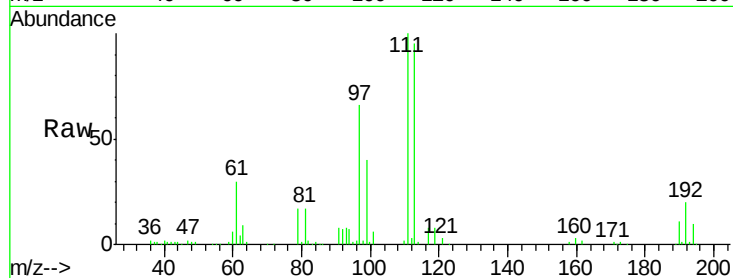
#35
 Dibromofluoromethane
 Concen: 49.314 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN055128.D
 Acq: 18 Apr 2019 18:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	219221		
111	103.3	82.1	123.1	
192	20.9	16.5	24.7	

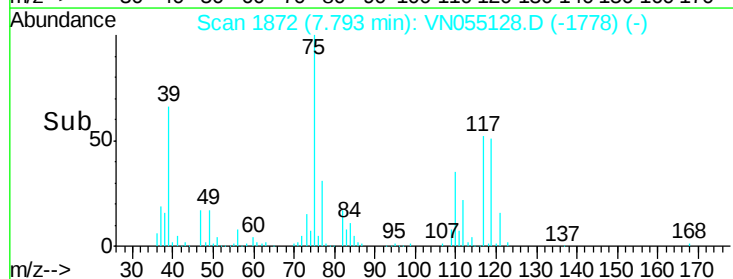
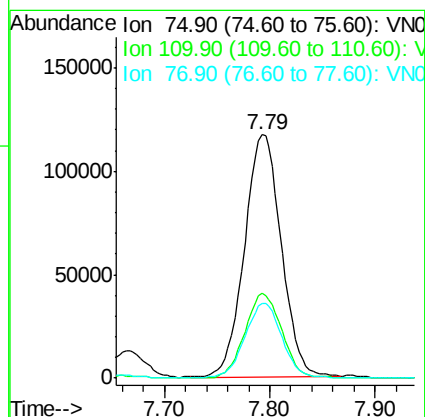
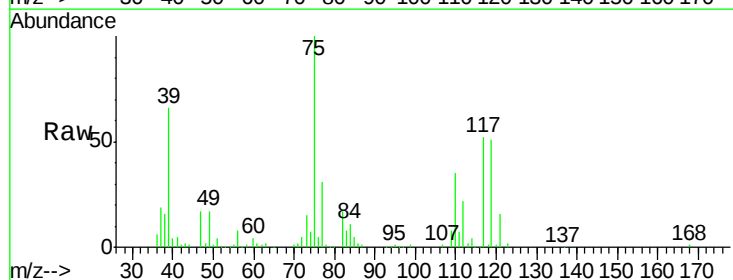
Manual Integrations
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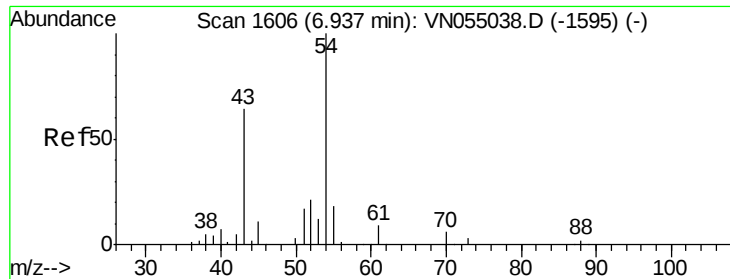
MMDadoda
 4/19/2019 5:47:03 PM



#36
 1,1-Dichloropropene
 Concen: 45.538 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN055128.D
 Acq: 18 Apr 2019 18:18

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	285544		
110	34.9	17.5	52.5	
77	31.3	24.9	37.3	





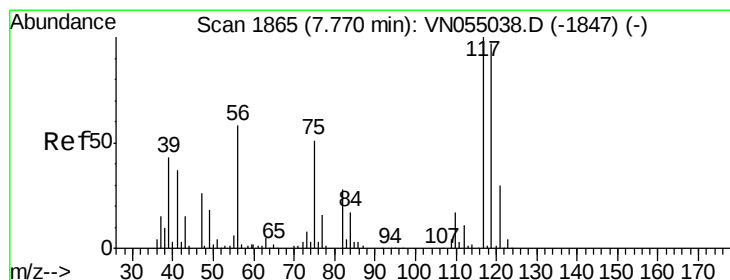
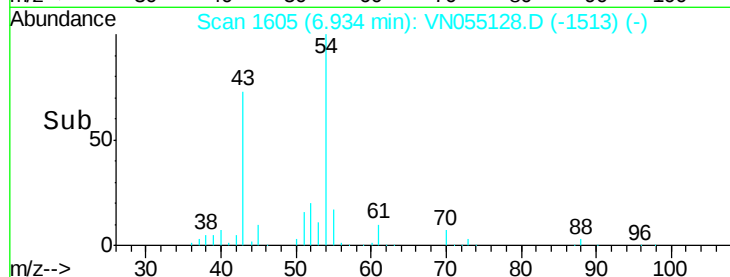
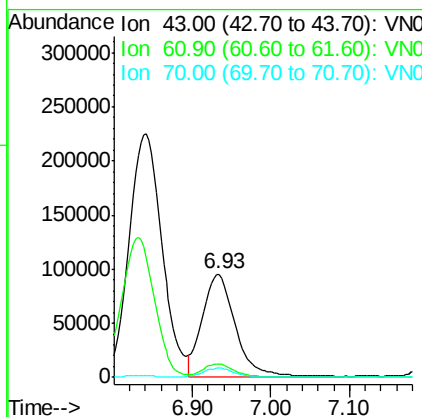
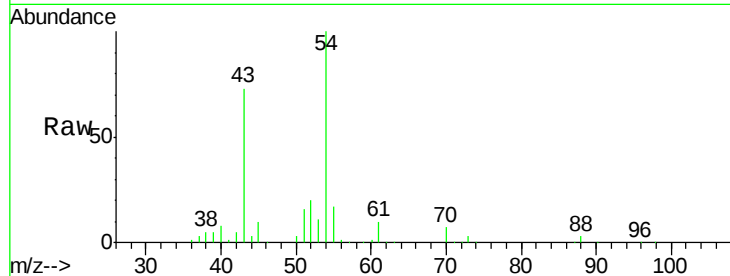
#37
Ethyl Acetate
Concen: 53.531 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. -0.00 min
Lab File: VN055128.D
Acq: 18 Apr 2019 18:18

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.0	10.0	15.0
70	8.4	7.1	10.7

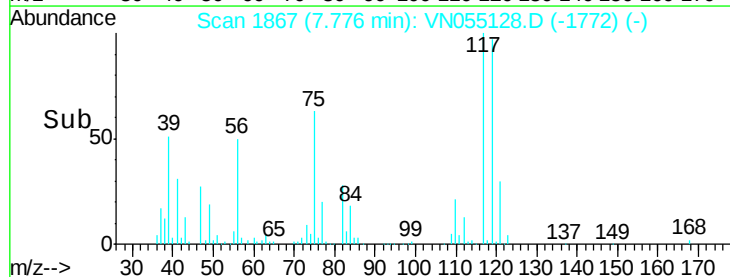
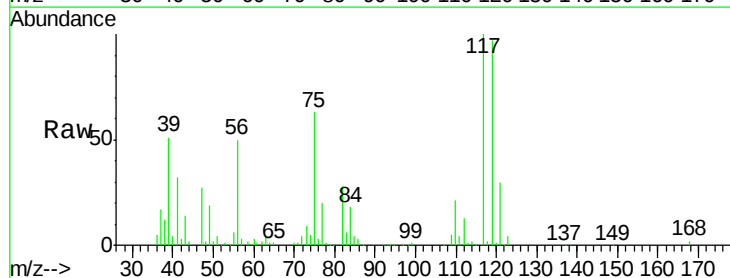
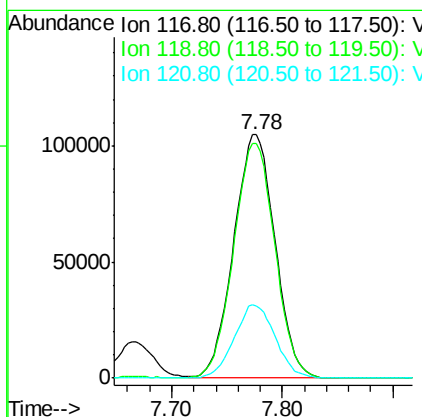
Manual Integrations
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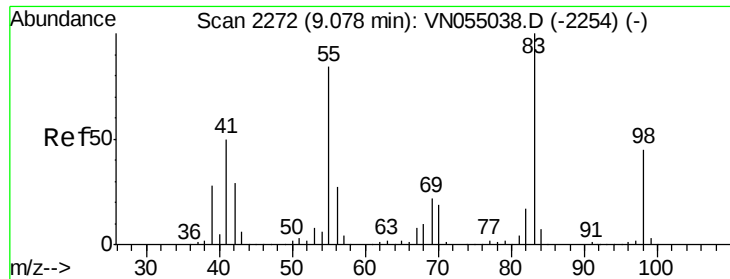
MMDadoda
4/19/2019 5:47:03 PM



#38
Carbon Tetrachloride
Concen: 45.599 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.01 min
Lab File: VN055128.D
Acq: 18 Apr 2019 18:18

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.6	76.3	114.5
121	29.8	23.9	35.9





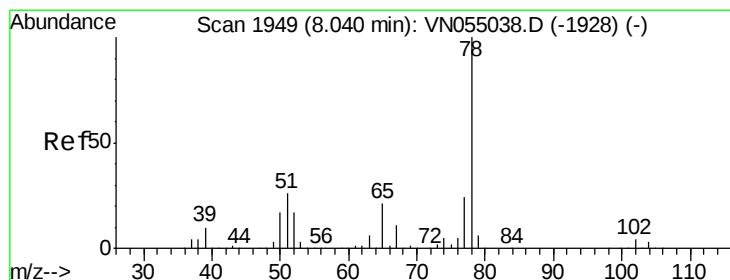
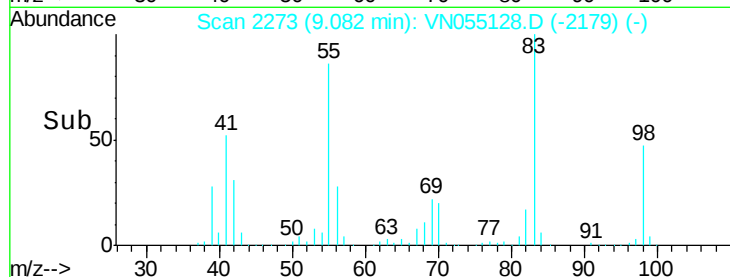
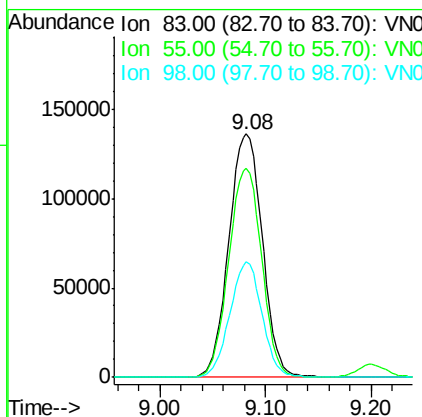
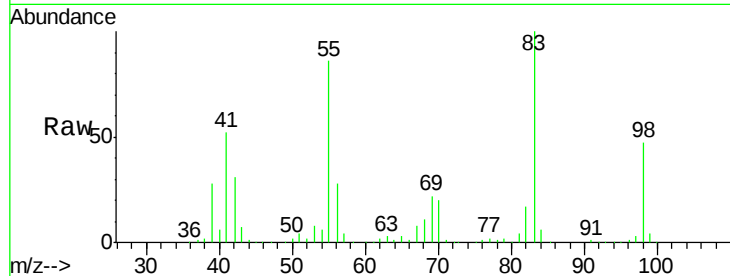
#39
Methvlcvclohexane
Concen: 44.230 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN055128.D
Acq: 18 Apr 2019 18:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	85.8	67.0	100.4
98	47.4	35.6	53.4

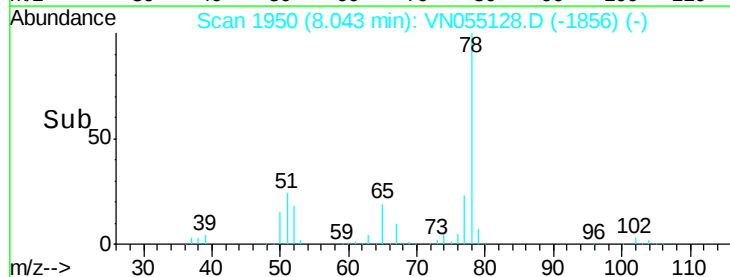
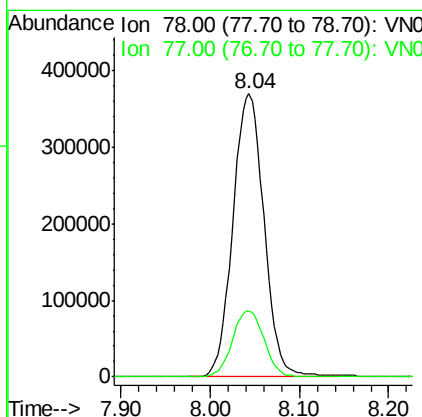
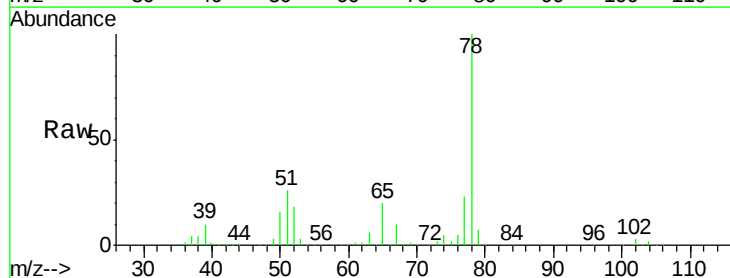
Manual Integrations
APPROVED

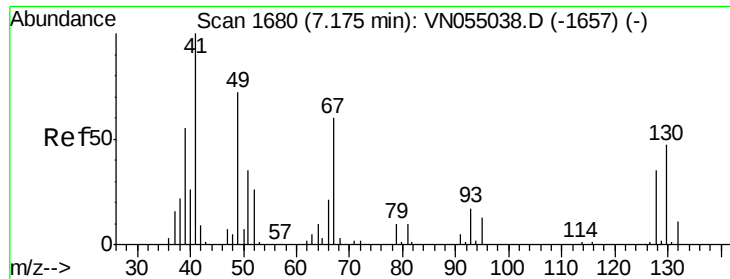
MMDadoda
4/19/2019 5:47:03 PM



#40
Benzene
Concen: 47.342 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN055128.D
Acq: 18 Apr 2019 18:18

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.8	28.2





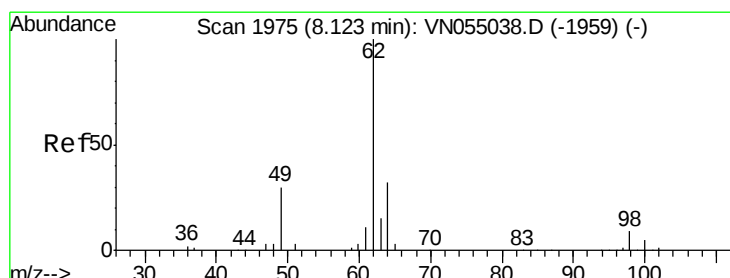
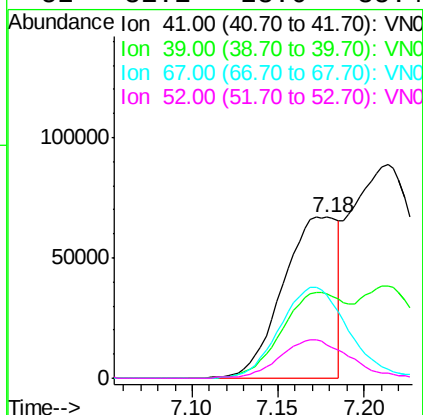
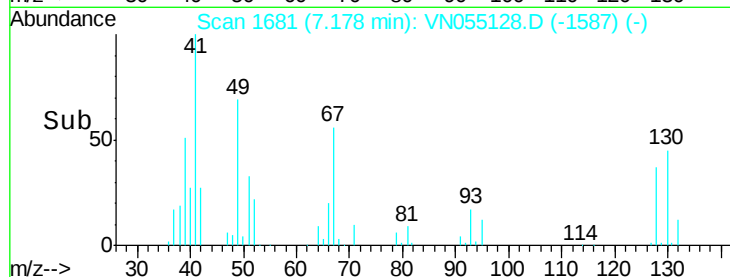
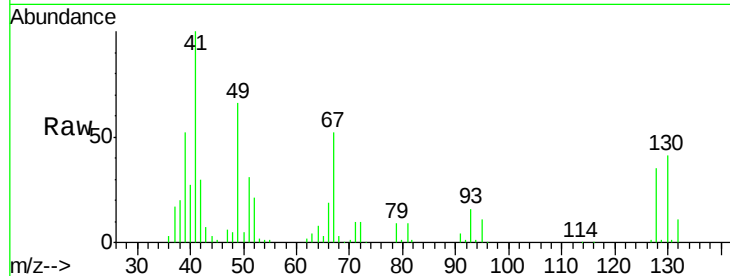
#41
Methacrylonitrile
Concen: 52.237 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN055128.D
Acq: 18 Apr 2019 18:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	60.7	45.6	68.4
67	71.0	57.0	85.6
52	31.1	23.6	35.4

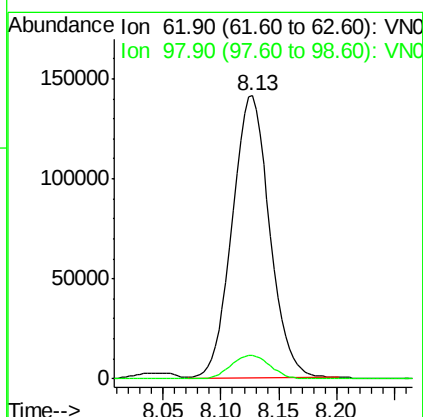
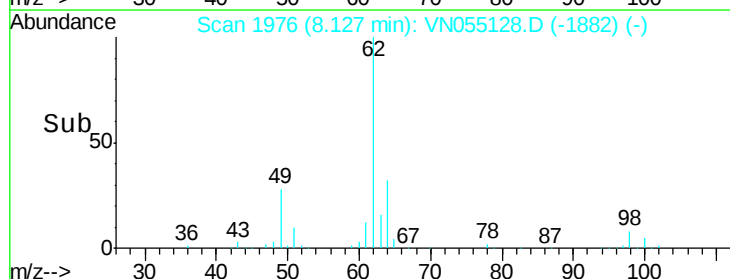
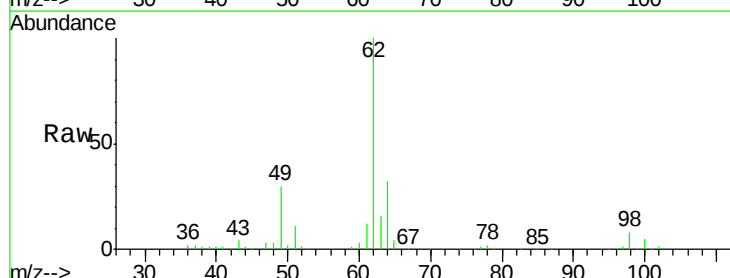
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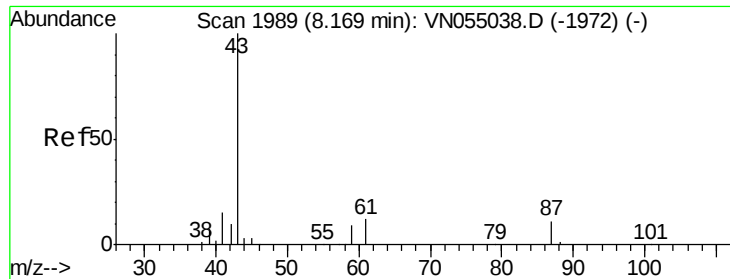
MMDadoda
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#42
1,2-Dichloroethane
Concen: 48.277 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN055128.D
Acq: 18 Apr 2019 18:18

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	17.4





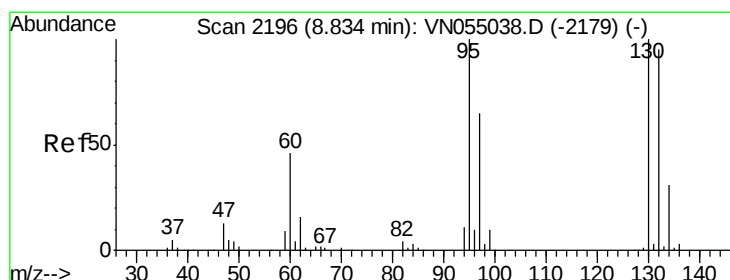
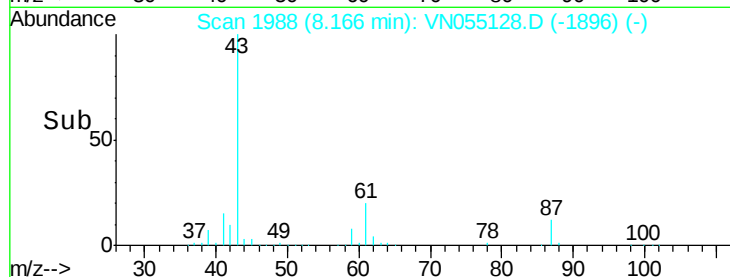
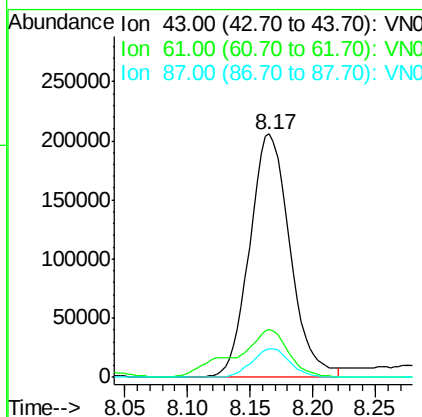
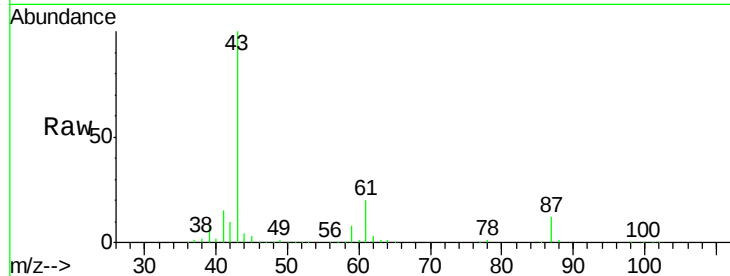
#43
Isopropyl Acetate
Concen: 58.500 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VN055128.D
Acq: 18 Apr 2019 18:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.6	14.3	21.5
87	11.3	8.6	13.0

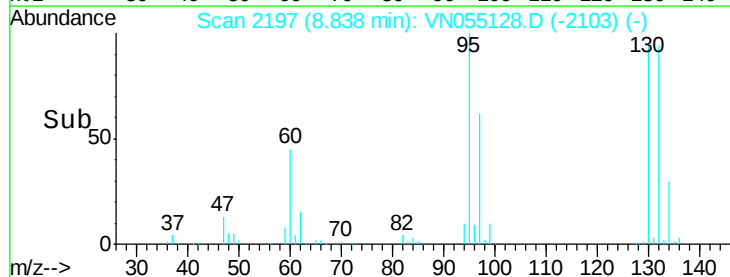
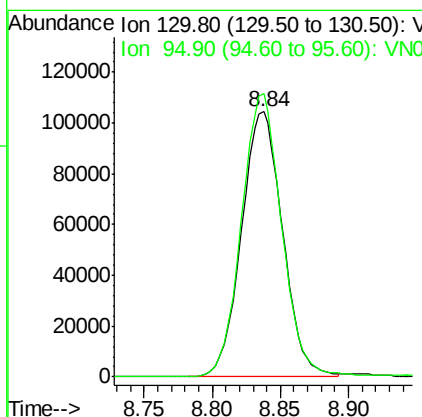
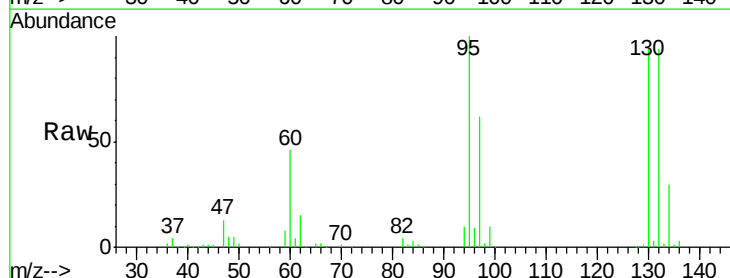
Manual Integrations
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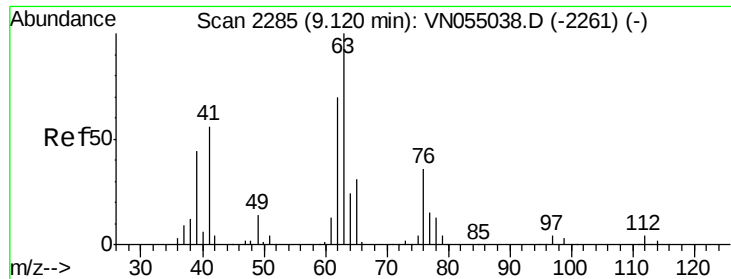
MMDadoda
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#44
Trichloroethene
Concen: 46.128 ug/l
RT: 8.84 min Scan# 2197
Delta R.T. 0.00 min
Lab File: VN055128.D
Acq: 18 Apr 2019 18:18

Tgt Ion	Ratio	Lower	Upper
130	100		
95	106.7	0.0	201.6





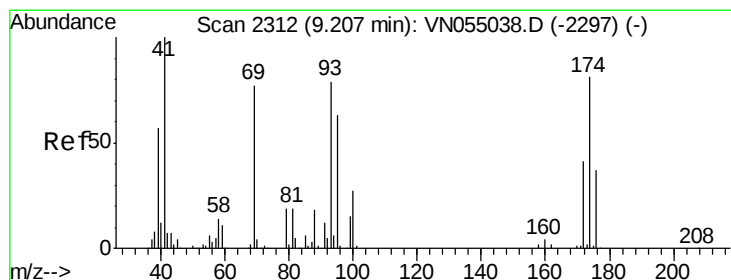
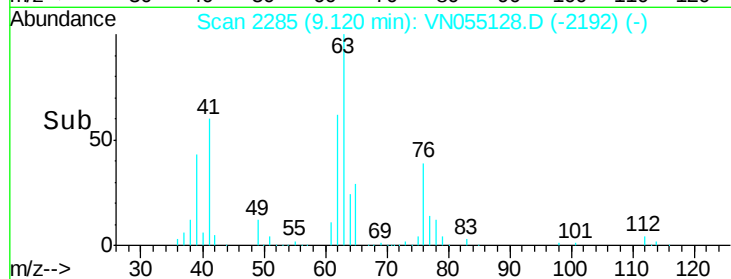
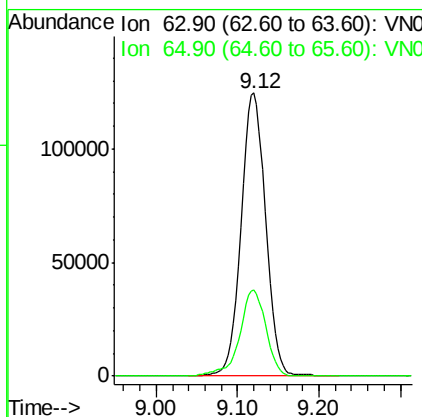
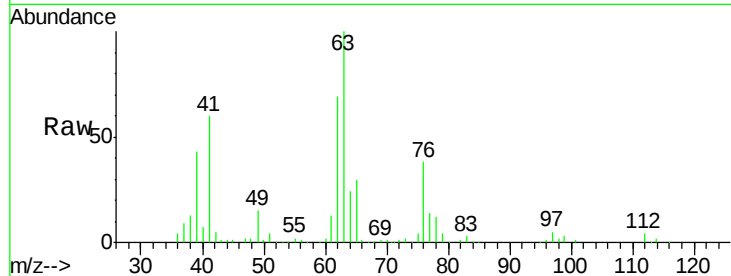
#45
 1,2-Dichloropropane
 Concen: 49.031 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN055128.D
 Acq: 18 Apr 2019 18:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
63	100	258416		
65	30.3		24.4	36.6

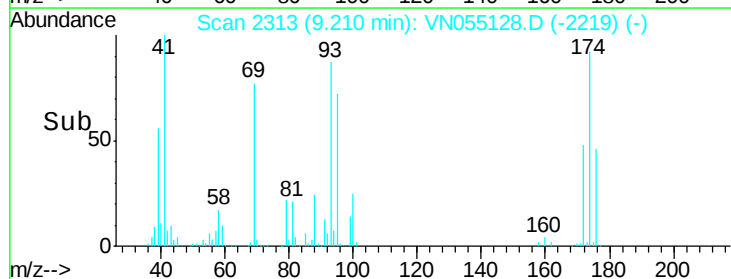
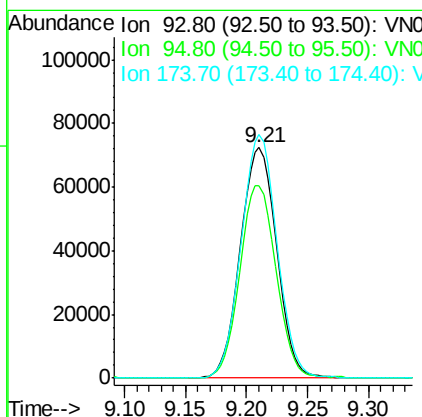
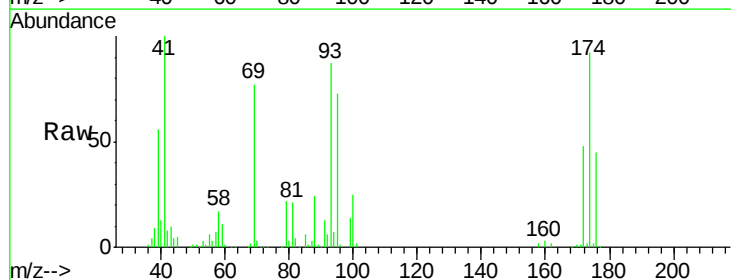
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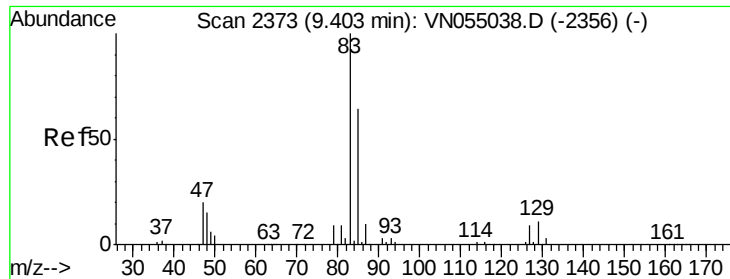
MMDadoda
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#46
 Dibromomethane
 Concen: 49.728 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN055128.D
 Acq: 18 Apr 2019 18:18

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	149180		
95	83.7		65.0	97.6
174	104.3		81.0	121.6





#47

Bromodichloromethane

Concen: 50.481 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055128.D

Acq: 18 Apr 2019 18:18

Instrument :

MSVOA_N

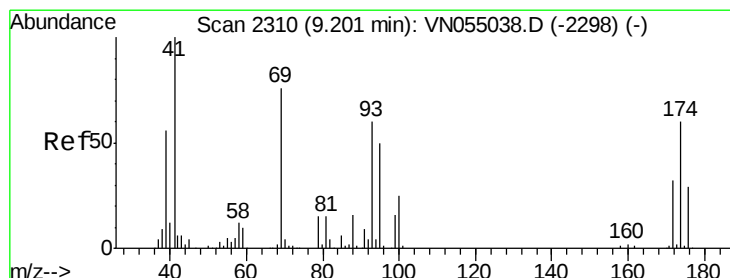
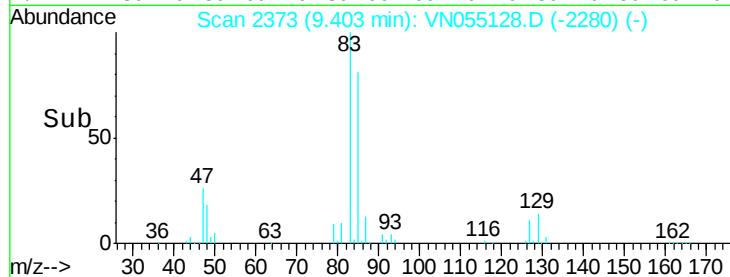
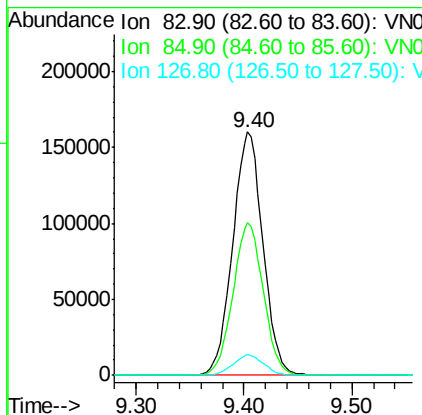
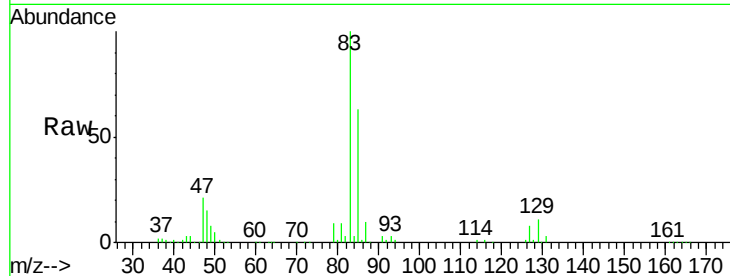
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	312222
Ion Ratio	Lower	Upper	
83	100		
85	62.9	51.2	76.8
127	8.4	6.8	10.2

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#48

Methyl methacrylate

Concen: 55.391 ug/l

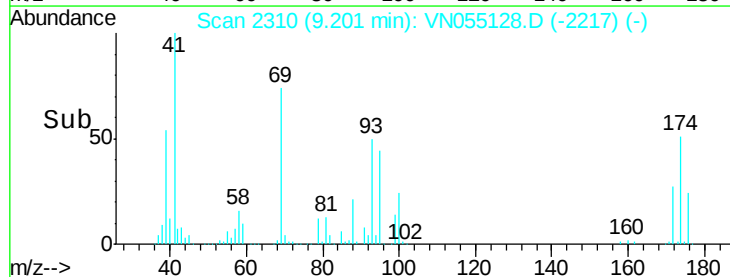
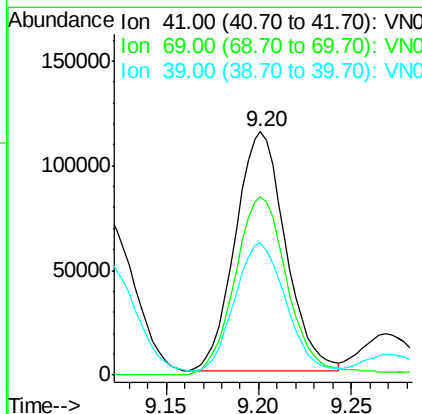
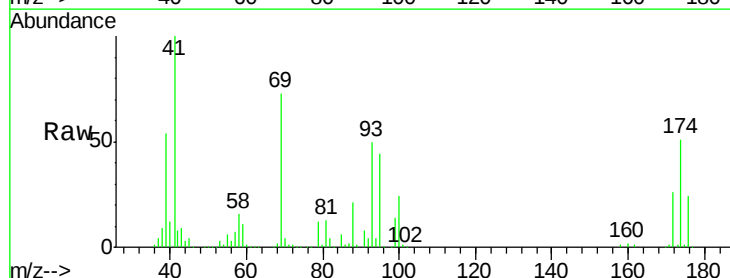
RT: 9.20 min Scan# 2310

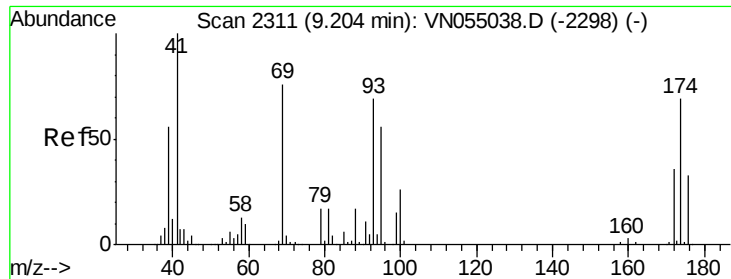
Delta R.T. 0.00 min

Lab File: VN055128.D

Acq: 18 Apr 2019 18:18

Tgt Ion:	41	Resp:	215957
Ion Ratio	Lower	Upper	
41	100		
69	78.7	60.5	90.7
39	56.4	43.9	65.9





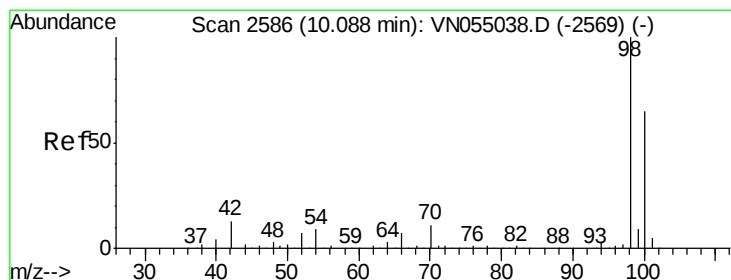
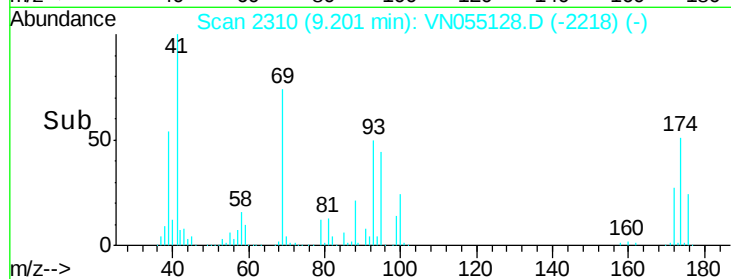
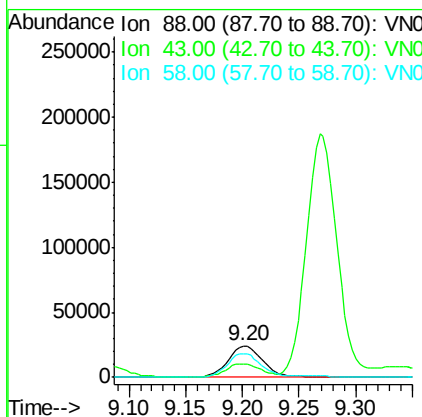
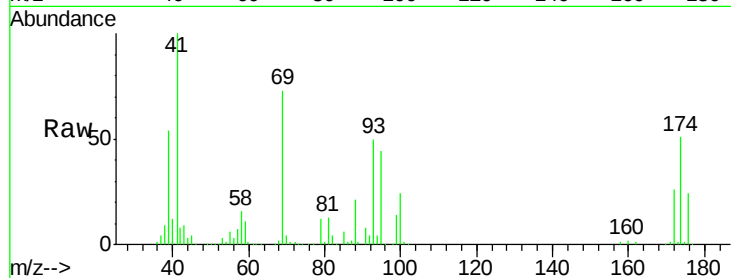
#49
1,4-Dioxane
Concen: 1417.525 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN055128.D
Acq: 18 Apr 2019 18:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	51778
Ion	Ratio	Lower	Upper
88	100		
43	39.7	31.8	47.8
58	75.5	61.6	92.4

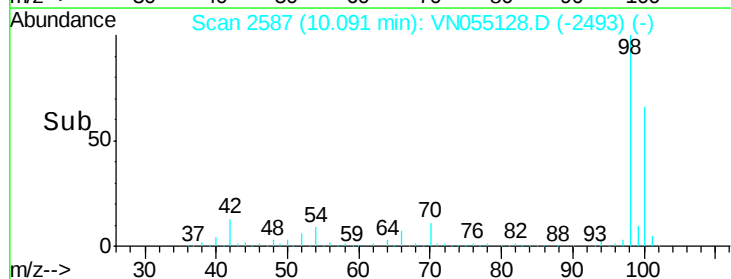
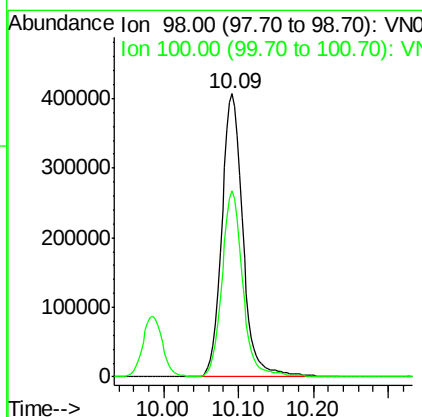
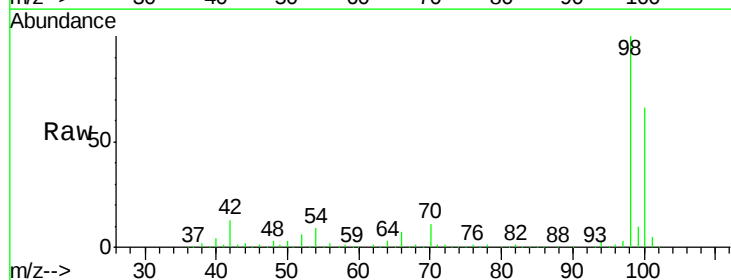
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#50
Toluene-d8
Concen: 49.960 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN055128.D
Acq: 18 Apr 2019 18:18

Tgt Ion	98	Resp	794884
Ion	Ratio	Lower	Upper
98	100		
100	64.5	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 296.118 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055128.D

Acq: 18 Apr 2019 18:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1345660

Ion Ratio Lower Upper

43 100

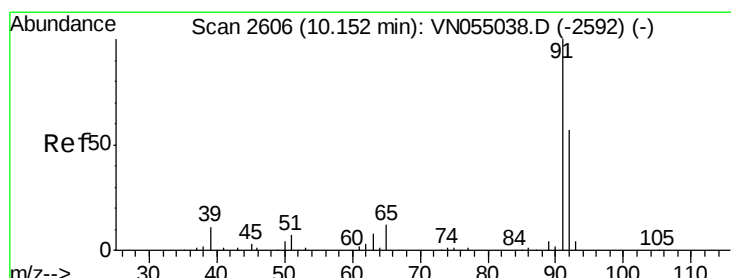
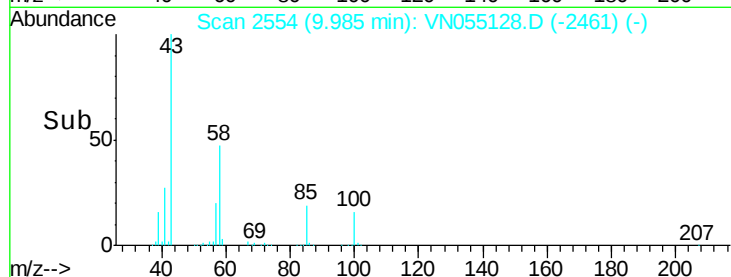
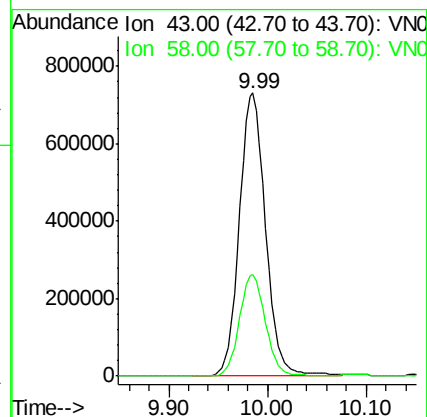
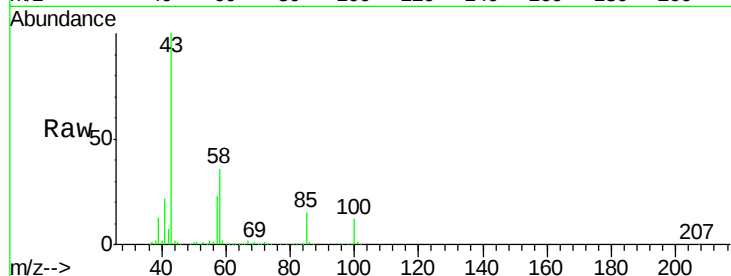
58 35.6 29.0 43.4

Manual Integrations

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#52

Toluene

Concen: 49.179 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055128.D

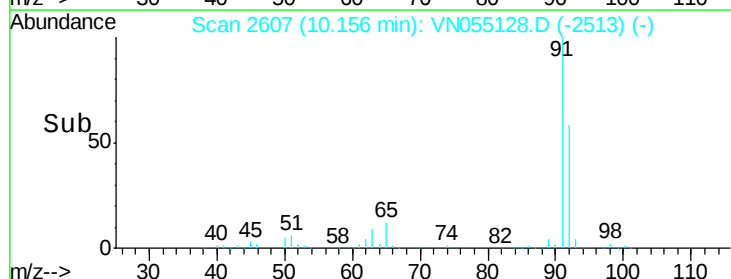
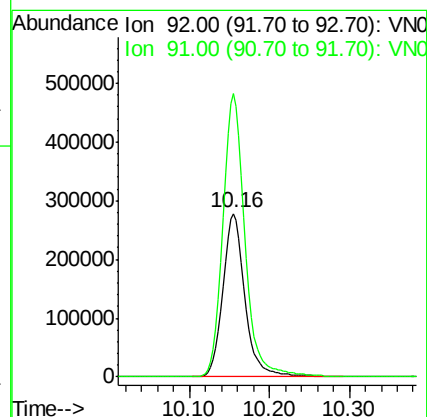
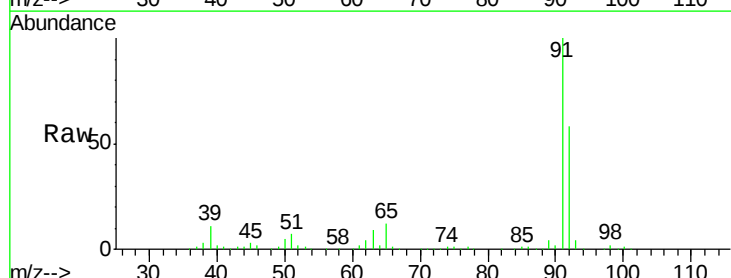
Acq: 18 Apr 2019 18:18

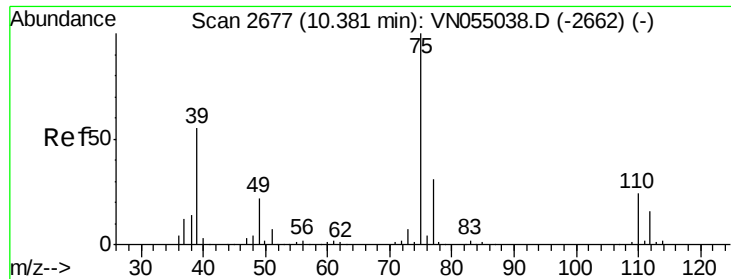
Tgt Ion: 92 Resp: 532303

Ion Ratio Lower Upper

92 100

91 174.1 140.8 211.2





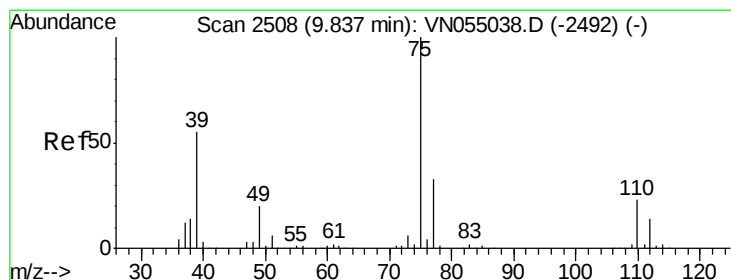
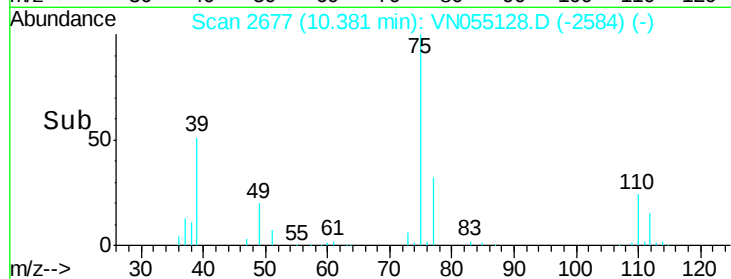
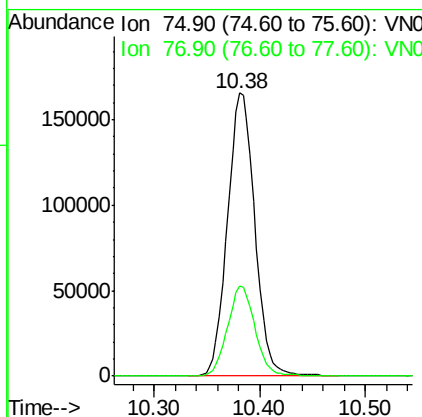
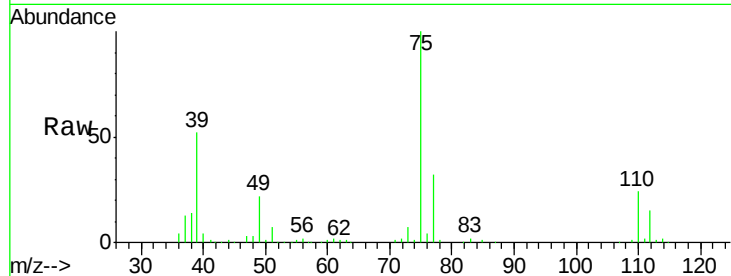
#53
 t-1,3-Dichloropropene
 Concen: 55.045 ug/l
 RT: 10.38 min Scan# 2677
 Delta R.T. 0.00 min
 Lab File: VN055128.D
 Acq: 18 Apr 2019 18:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 75 Resp: 297525
 Ion Ratio Lower Upper
 75 100
 77 31.7 24.6 37.0

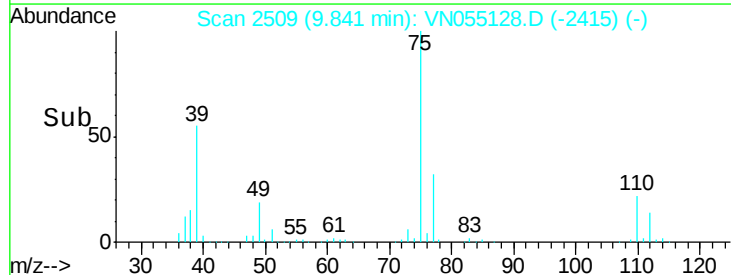
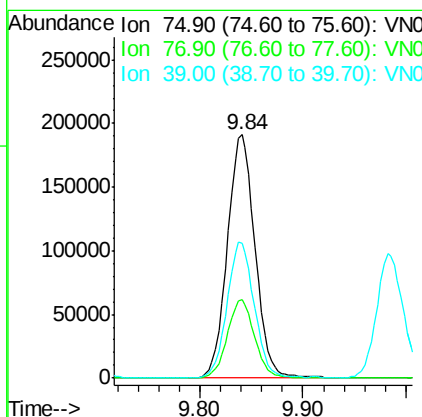
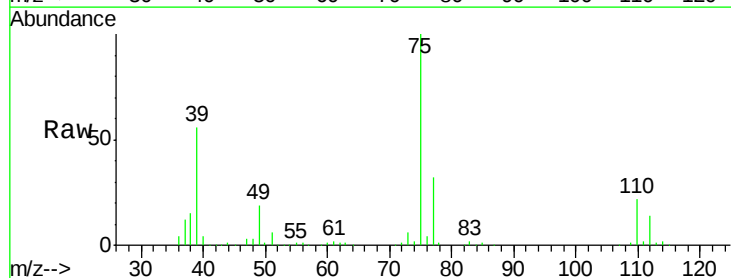
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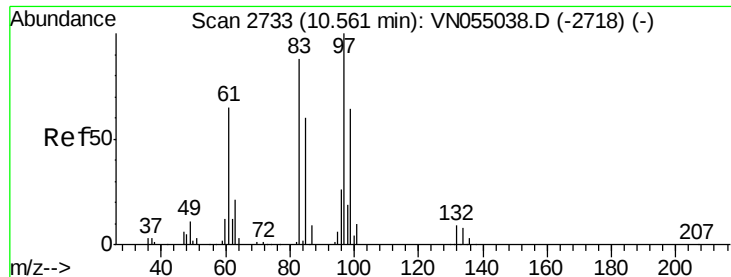
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#54
 cis-1,3-Dichloropropene
 Concen: 53.269 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN055128.D
 Acq: 18 Apr 2019 18:18

Tgt Ion: 75 Resp: 357353
 Ion Ratio Lower Upper
 75 100
 77 32.1 25.8 38.6
 39 55.6 43.8 65.8





#55

1,1,2-Trichloroethane

Concen: 50.944 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN055128.D

Acq: 18 Apr 2019 18:18

Instrument :

MSVOA_N

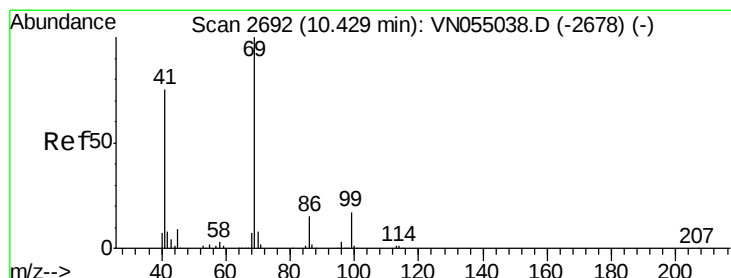
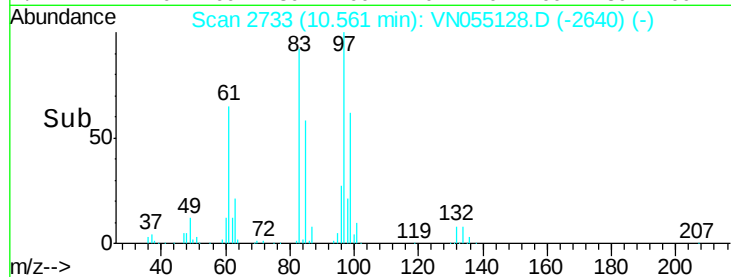
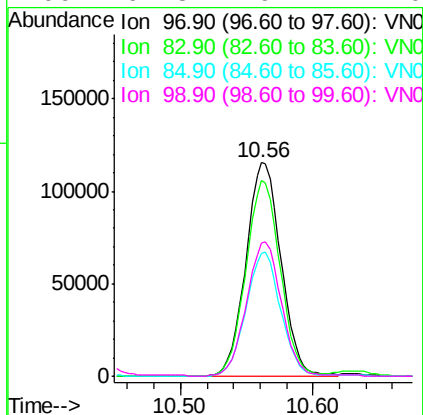
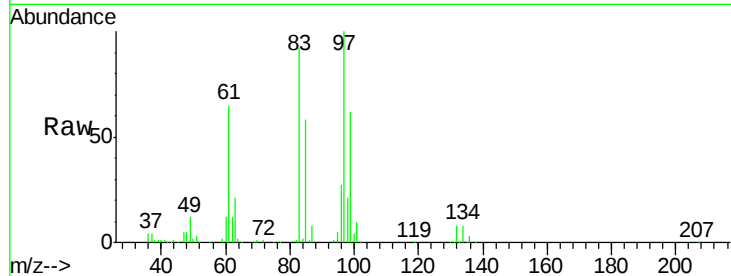
ClientSampleId :

VSTDCCC050EC

Tot Ion:	97	Resp:	212447
Ion	Ratio	Lower	Upper
97	100		
83	91.5	70.5	105.7
85	57.6	45.5	68.3
99	61.8	49.4	74.0

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#56

Ethyl methacrylate

Concen: 58.524 ug/l

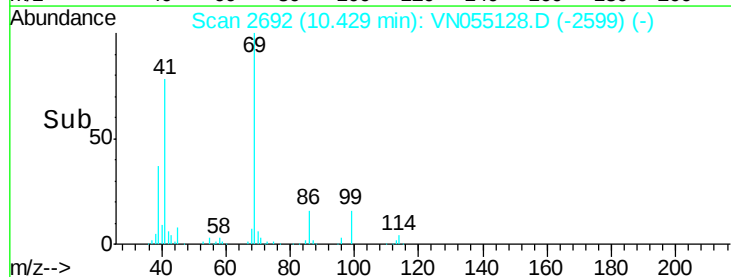
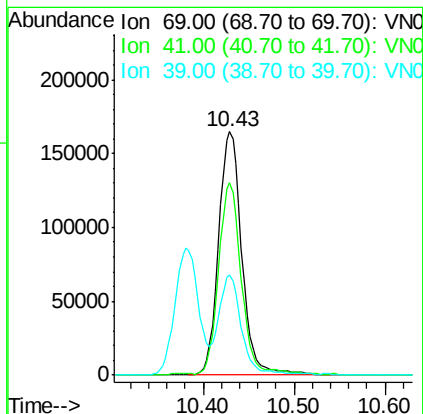
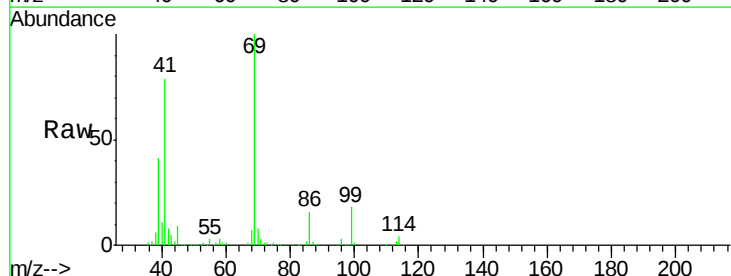
RT: 10.43 min Scan# 2692

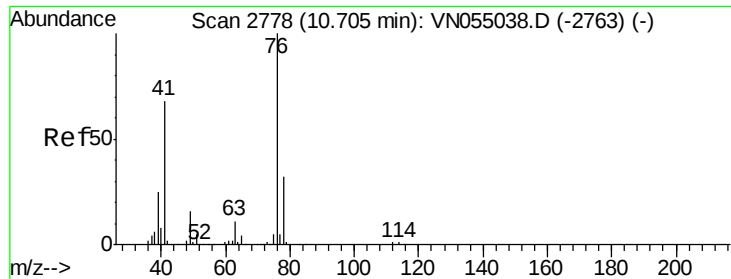
Delta R.T. 0.00 min

Lab File: VN055128.D

Acq: 18 Apr 2019 18:18

Tgt Ion:	69	Resp:	292897
Ion	Ratio	Lower	Upper
69	100		
41	76.5	61.4	92.0
39	39.6	30.8	46.2





#57

1,3-Dichloropropane

Concen: 51.682 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN055128.D

Acq: 18 Apr 2019 18:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 366944

Ion Ratio Lower Upper

76 100

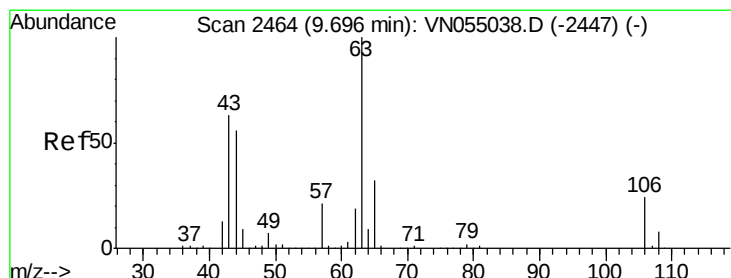
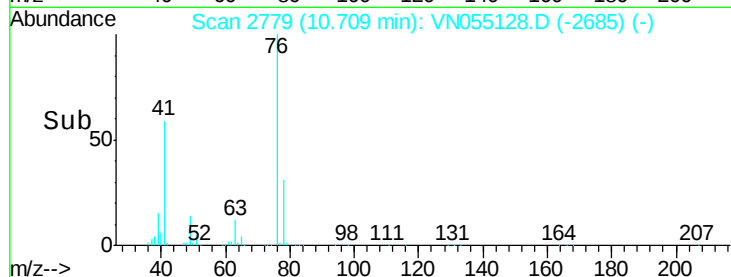
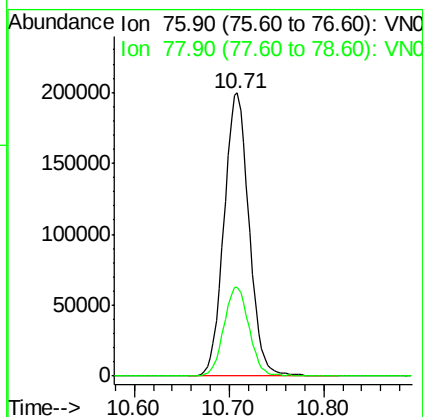
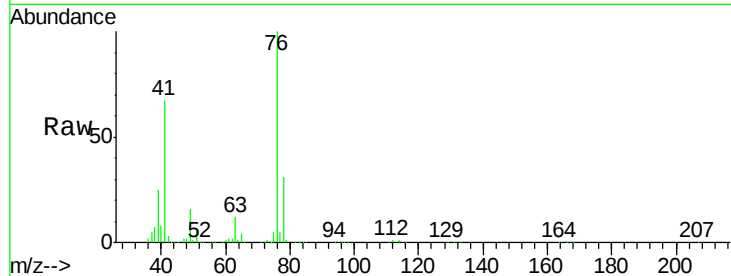
78 31.8 25.6 38.4

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 259.843 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN055128.D

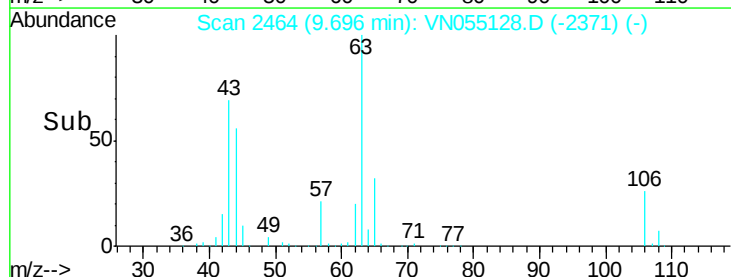
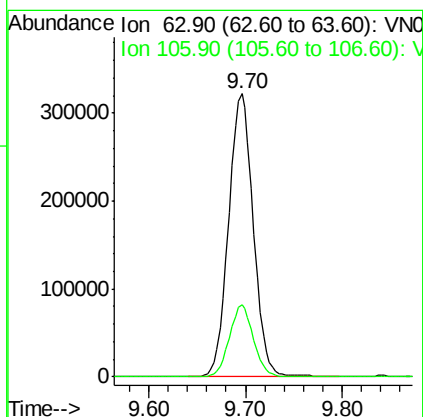
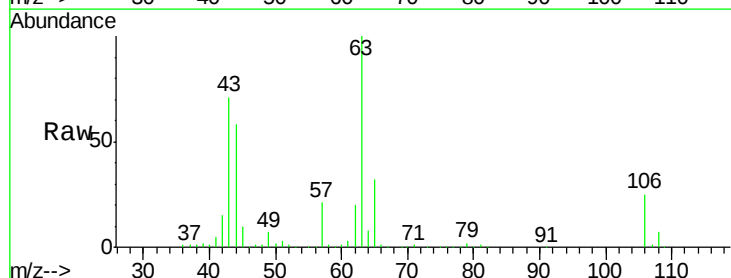
Acq: 18 Apr 2019 18:18

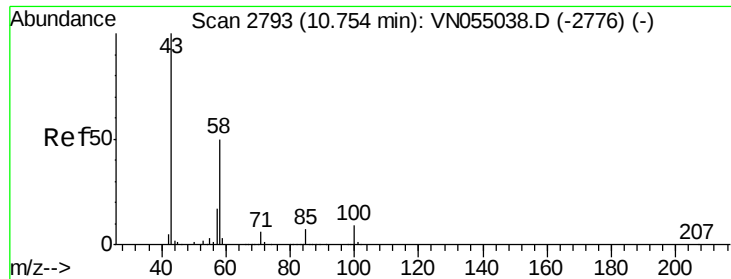
Tgt Ion: 63 Resp: 572157

Ion Ratio Lower Upper

63 100

106 24.7 20.0 30.0





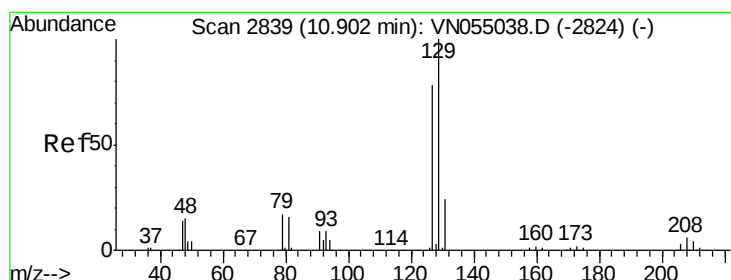
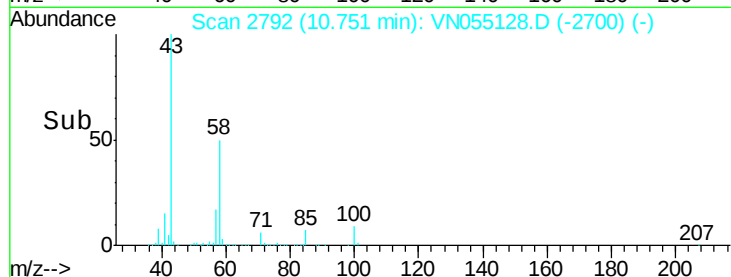
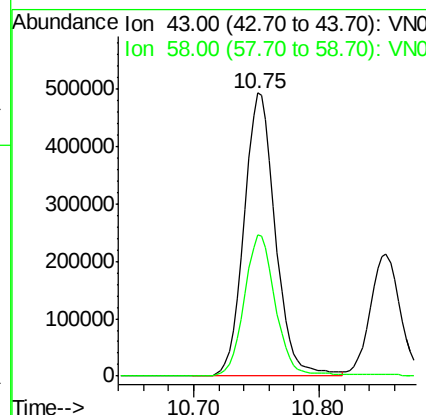
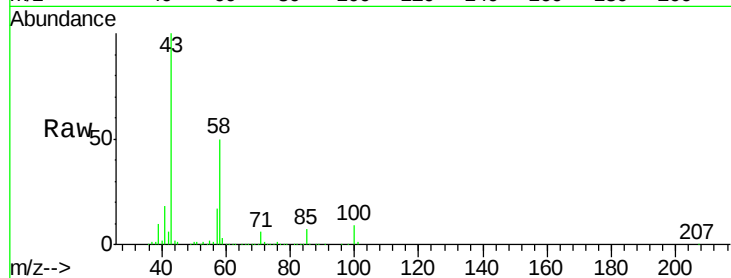
#59
2-Hexanone
Concen: 298.612 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN055128.D
Acq: 18 Apr 2019 18:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 852318
Ion Ratio Lower Upper
43 100
58 50.2 25.1 75.2

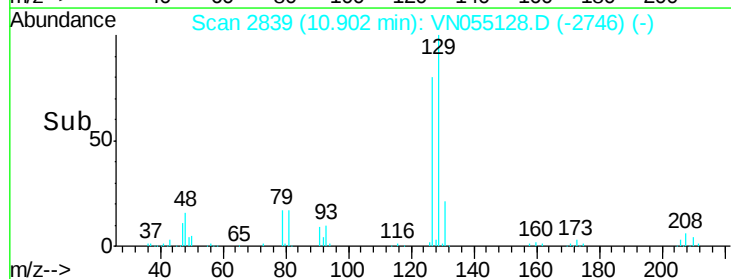
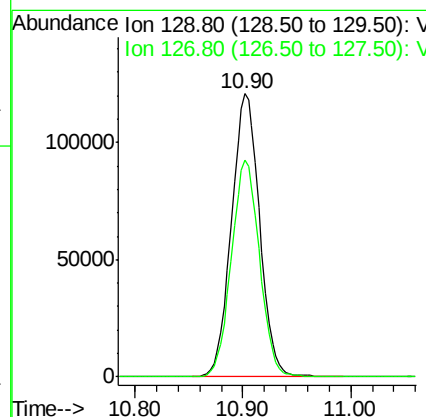
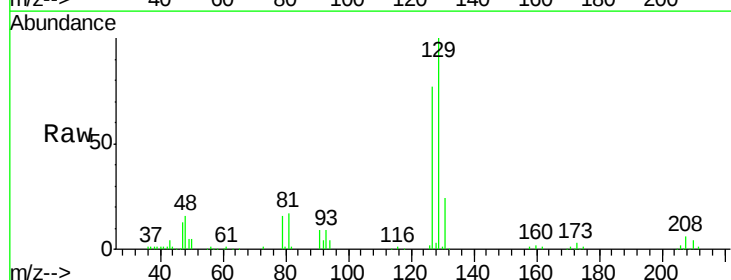
Manual Integrations
APPROVED

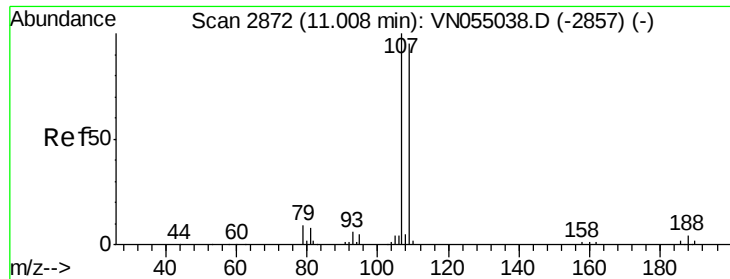
MMDadoda
4/19/2019 5:47:03 PM



#60
Dibromochloromethane
Concen: 53.976 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055128.D
Acq: 18 Apr 2019 18:18

Tgt Ion: 129 Resp: 219796
Ion Ratio Lower Upper
129 100
127 76.5 38.2 114.6





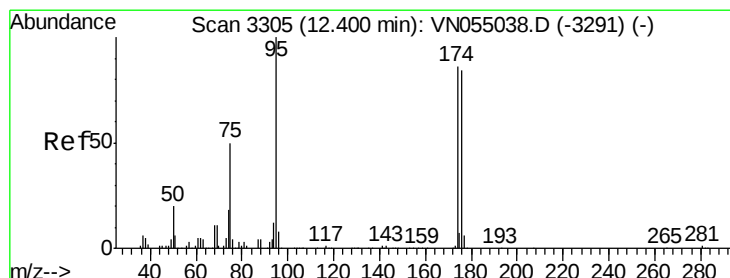
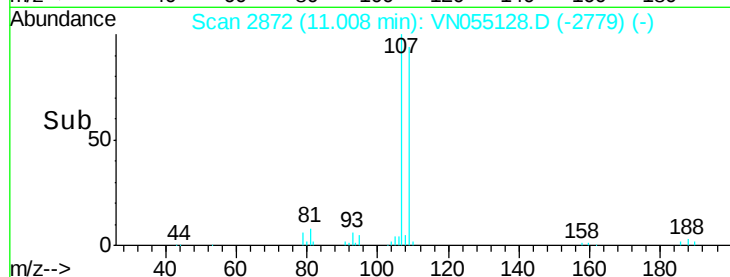
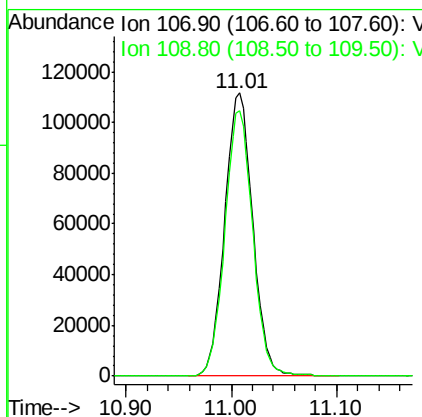
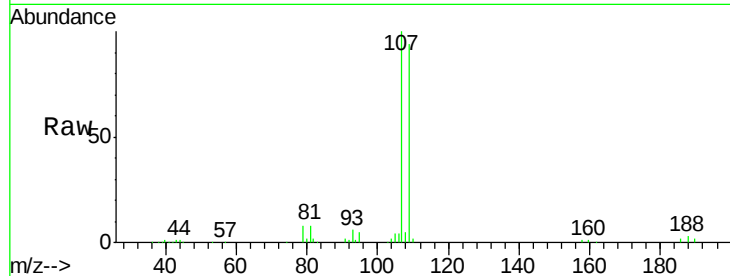
#61
 1,2-Dibromoethane
 Concen: 53.499 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN055128.D
 Acq: 18 Apr 2019 18:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 107 Resp: 205344
 Ion Ratio Lower Upper
 107 100
 109 93.4 76.5 114.7

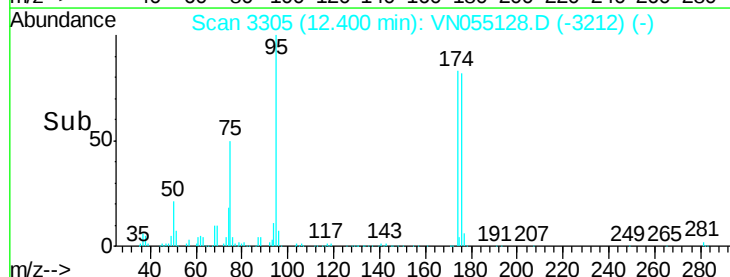
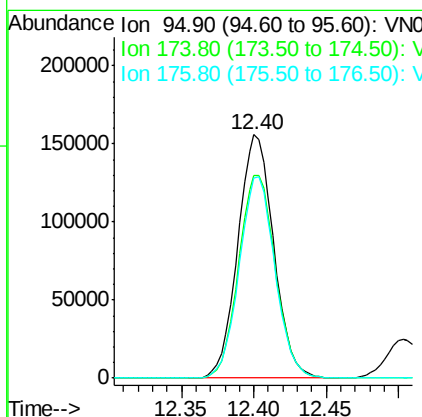
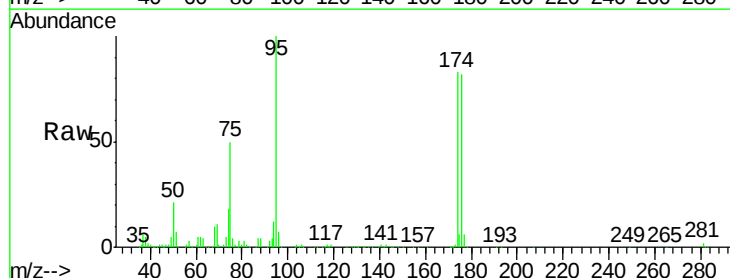
Manual Integrations
 APPROVED

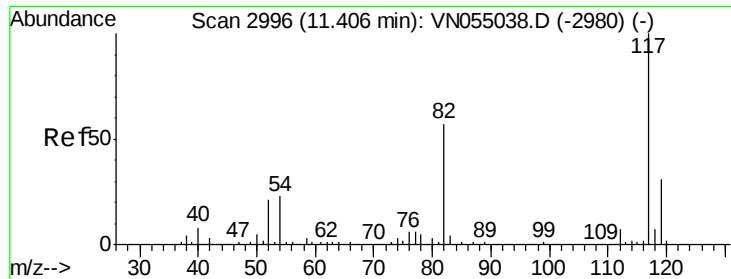
MMDadoda
 4/19/2019 5:47:03 PM



#62
 4-Bromofluorobenzene
 Concen: 51.660 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN055128.D
 Acq: 18 Apr 2019 18:18

Tgt Ion: 95 Resp: 267208
 Ion Ratio Lower Upper
 95 100
 174 85.5 0.0 174.4
 176 82.8 0.0 166.8





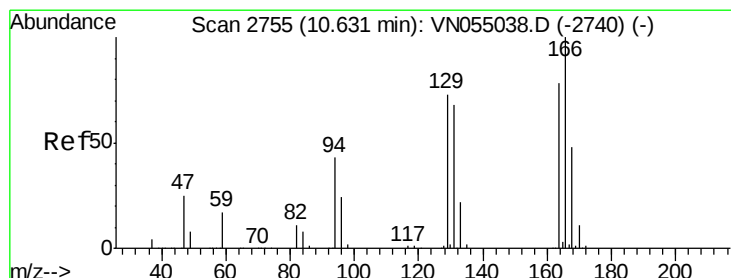
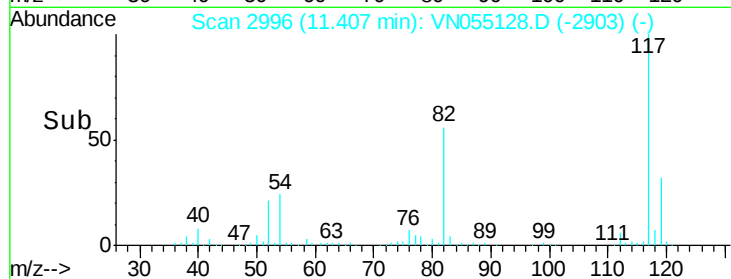
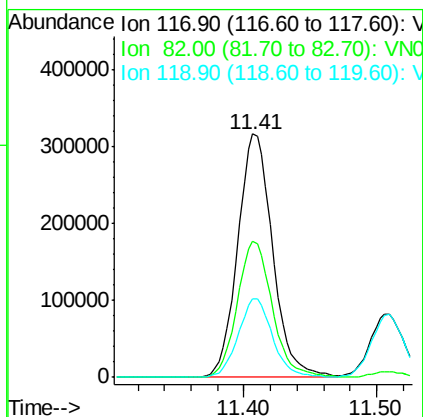
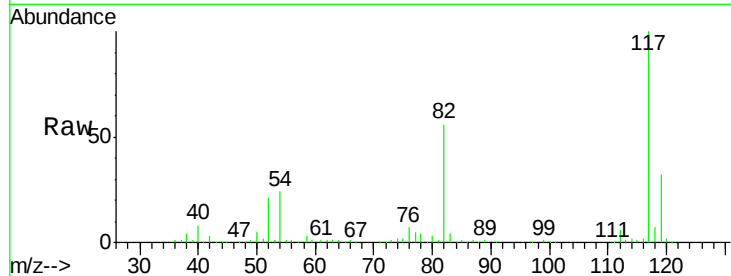
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055128.D
Acq: 18 Apr 2019 18:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.7	44.6	66.8
119	32.3	25.5	38.3

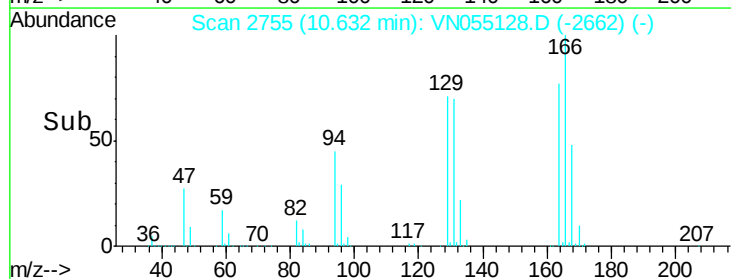
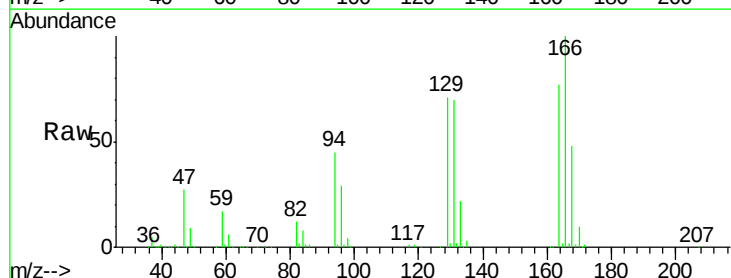
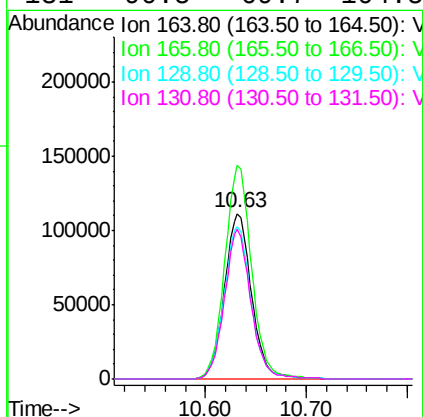
Manual Integrations
APPROVED

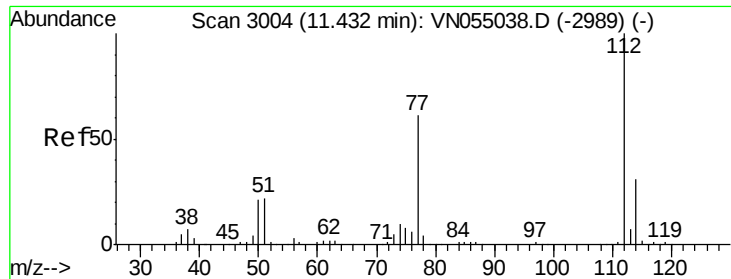
MMDadoda
4/19/2019 5:47:03 PM



#64
Tetrachloroethene
Concen: 44.341 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055128.D
Acq: 18 Apr 2019 18:18

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.3	100.0	150.0
129	92.5	72.0	108.0
131	90.5	69.7	104.5





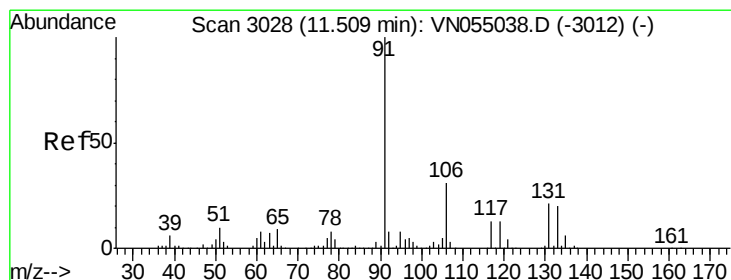
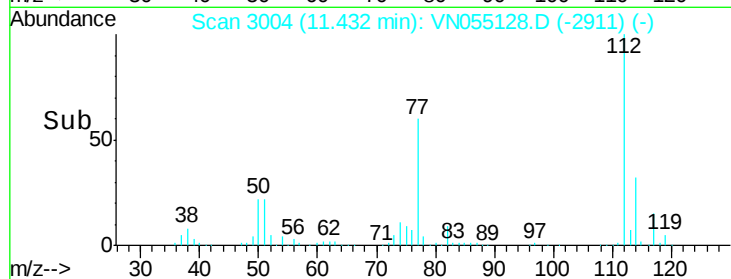
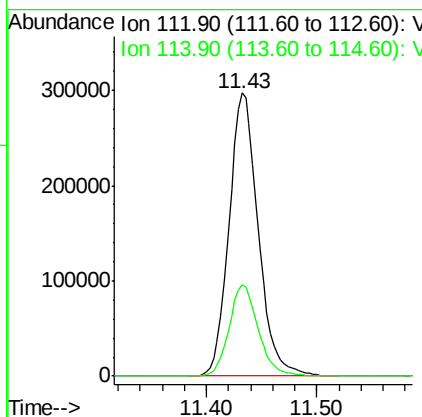
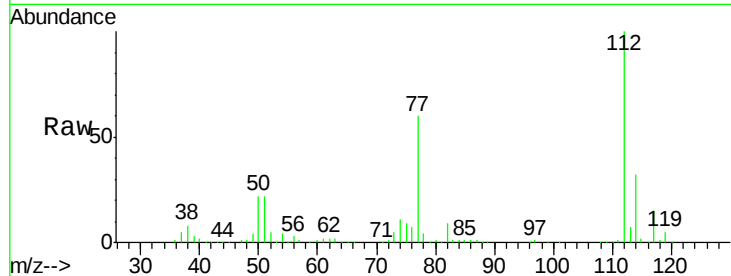
#65
Chlorobenzene
Concen: 46.684 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055128.D
Acq: 18 Apr 2019 18:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 544723
Ion Ratio Lower Upper
112 100
114 32.1 25.3 37.9

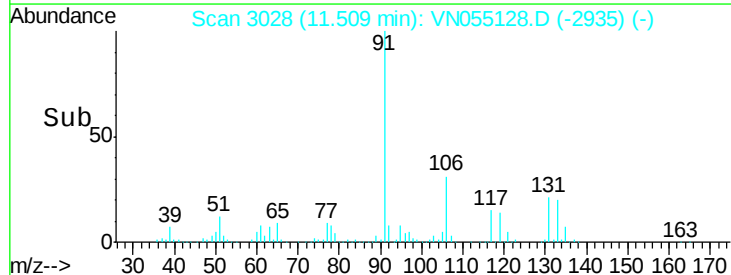
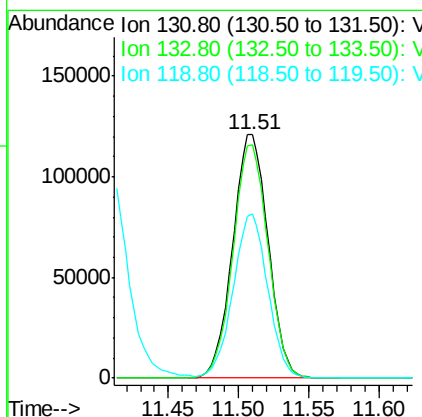
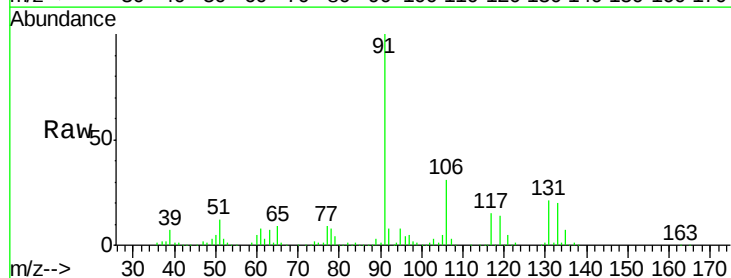
Manual Integrations
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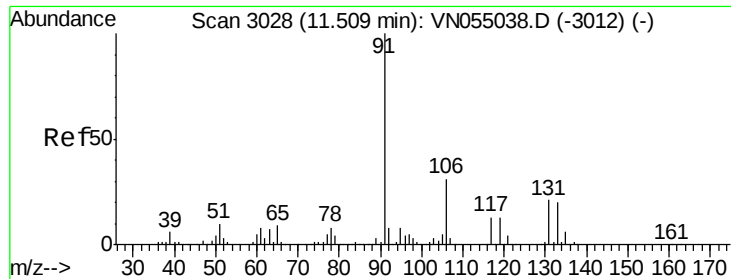
MMDadoda
4/19/2019 5:47:03 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 49.645 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055128.D
Acq: 18 Apr 2019 18:18

Tgt Ion:131 Resp: 213054
Ion Ratio Lower Upper
131 100
133 94.8 47.8 143.3
119 65.9 33.6 100.6





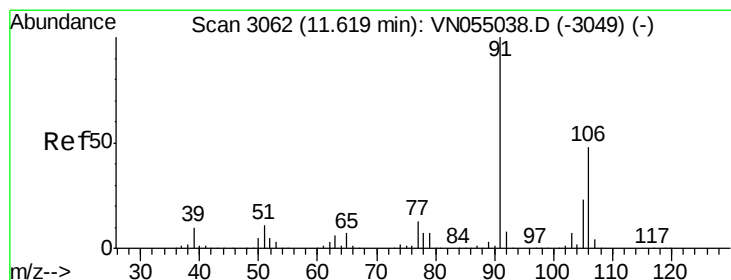
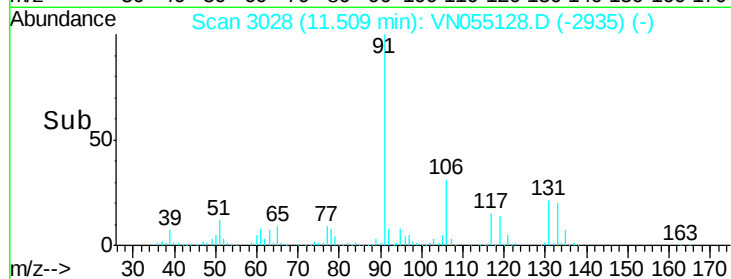
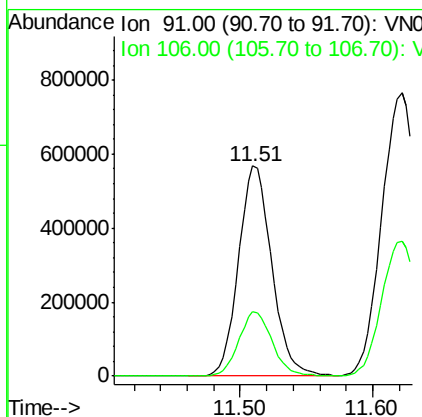
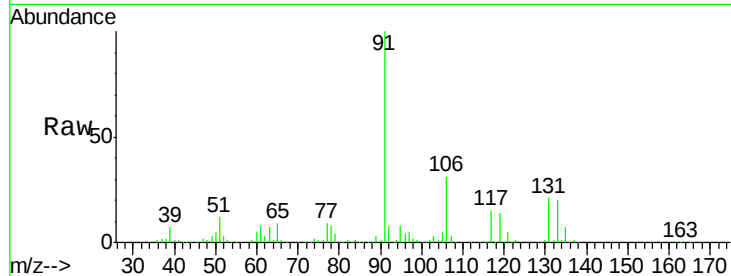
#67
Ethyl Benzene
Concen: 47.656 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055128.D
Acq: 18 Apr 2019 18:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 993019
Ion Ratio Lower Upper
91 100
106 30.5 24.3 36.5

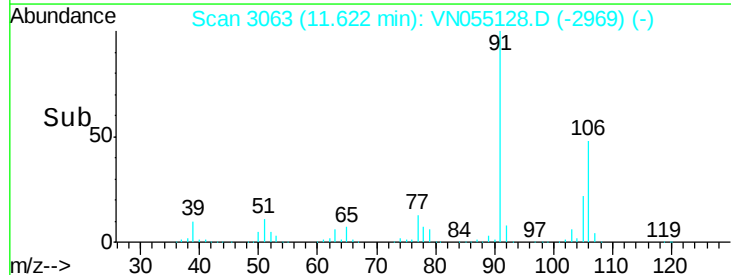
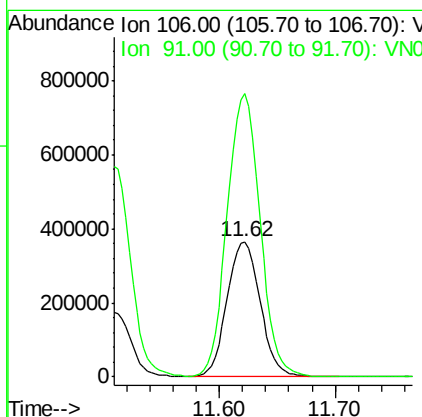
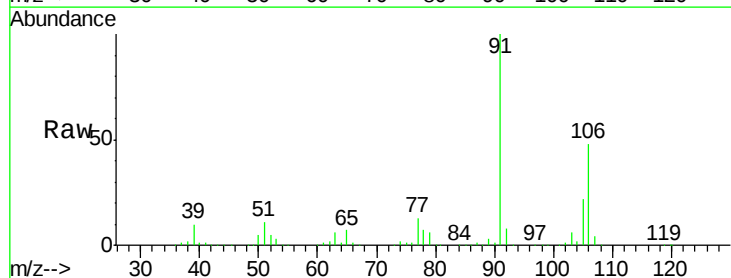
Manual Integrations
APPROVED

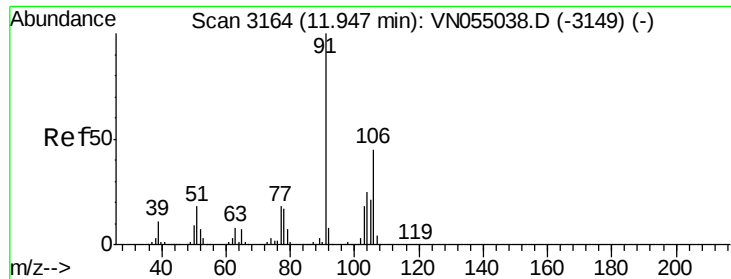
MMDadoda
4/19/2019 5:47:03 PM



#68
m/p-Xylenes
Concen: 95.777 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN055128.D
Acq: 18 Apr 2019 18:18

Tgt Ion: 106 Resp: 722685
Ion Ratio Lower Upper
106 100
91 208.5 165.9 248.9





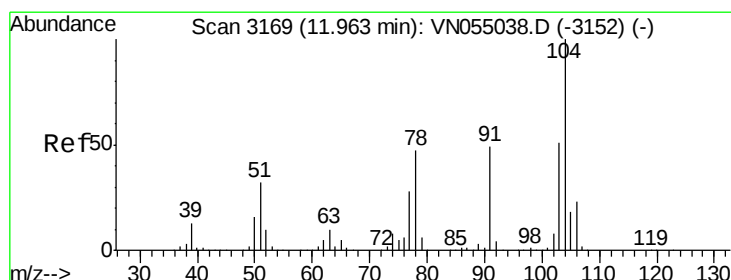
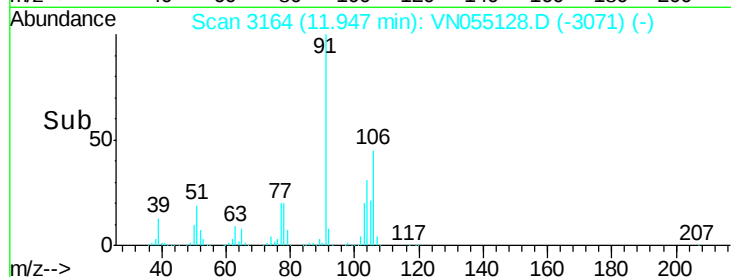
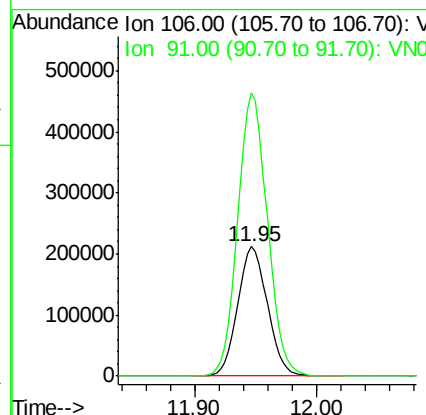
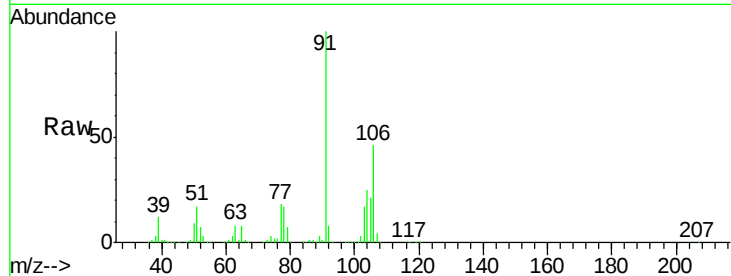
#69
o-Xylene
Concen: 49.123 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055128.D
Acq: 18 Apr 2019 18:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		359001		
91	218.0	109.9	329.8		

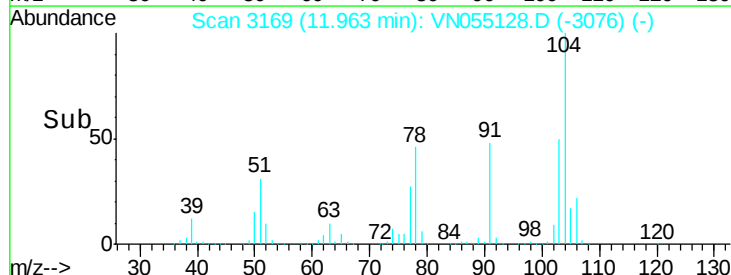
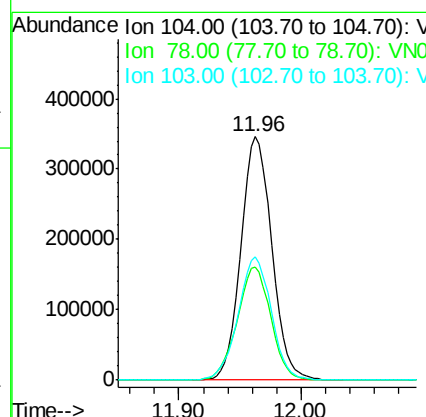
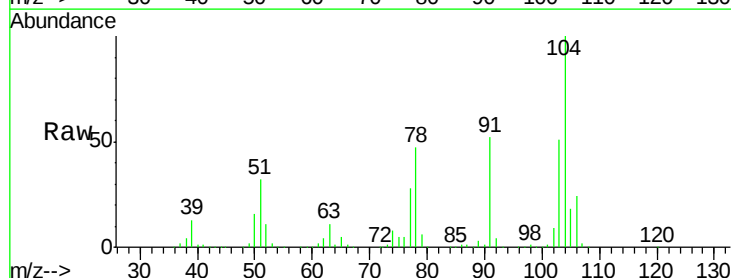
Manual Integrations
APPROVED

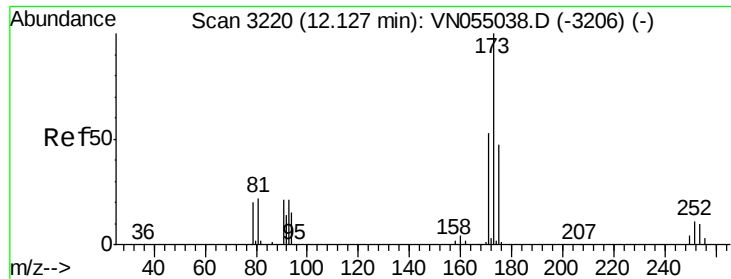
MMDadoda
4/19/2019 5:47:03 PM



#70
Styrene
Concen: 51.233 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055128.D
Acq: 18 Apr 2019 18:18

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		606077		
78	50.8	40.3	60.5		
103	54.5	44.3	66.5		





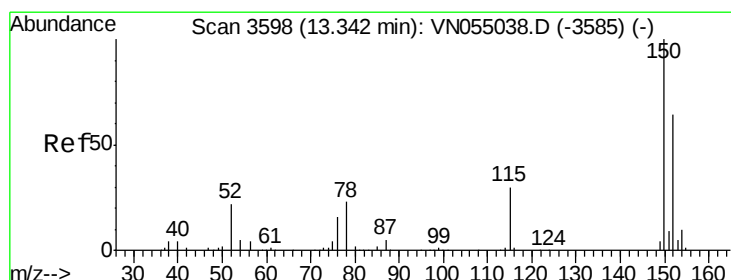
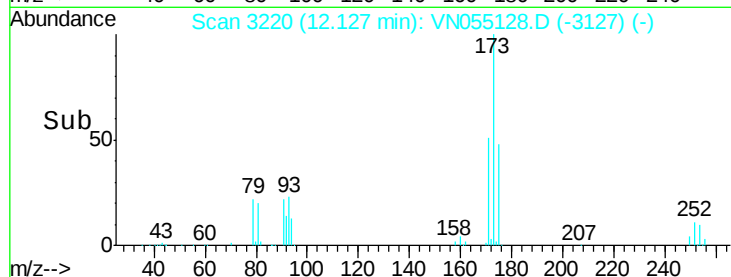
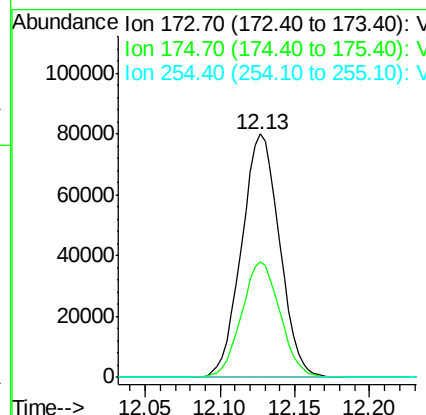
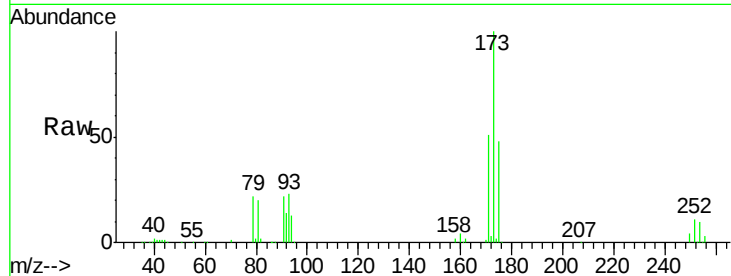
#71
Bromoform
Concen: 57.448 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN055128.D
Acq: 18 Apr 2019 18:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.1	24.3	73.0
254	0.1	0.1	0.1#

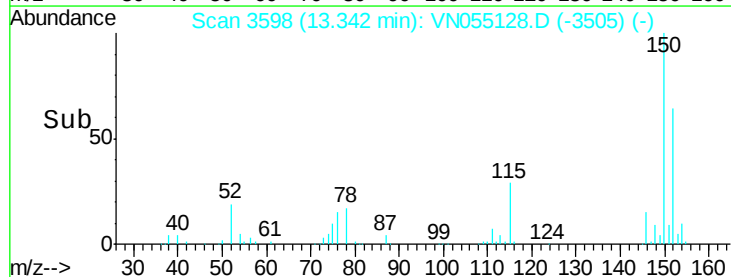
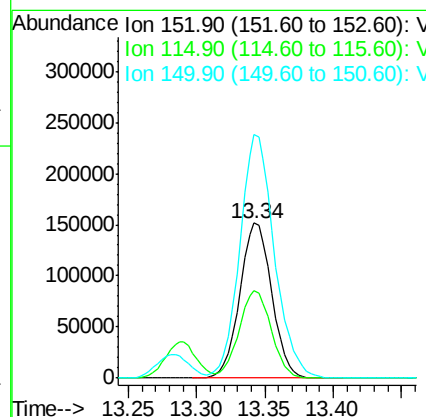
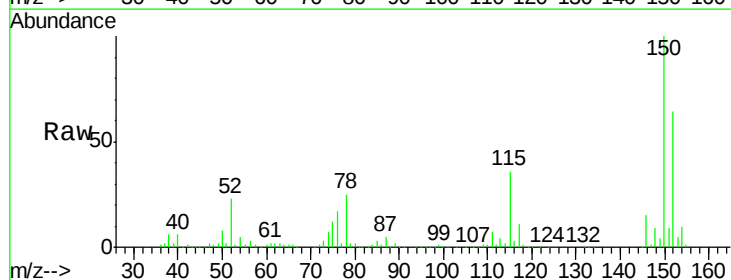
Manual Integrations
APPROVED

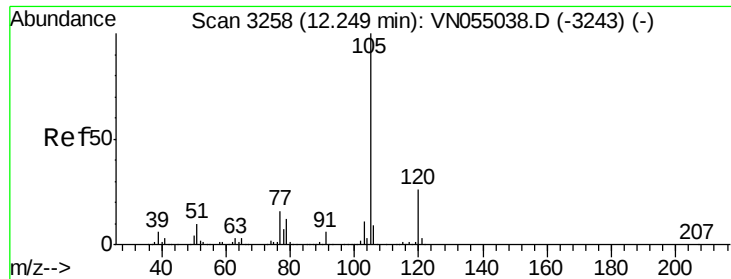
MMDadoda
4/19/2019 5:47:03 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN055128.D
Acq: 18 Apr 2019 18:18

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.0	28.5	85.6
150	170.4	0.0	347.2





#73

Isopropylbenzene

Concen: 43.475 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055128.D

Acq: 18 Apr 2019 18:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 947704

Ion Ratio Lower Upper

105 100

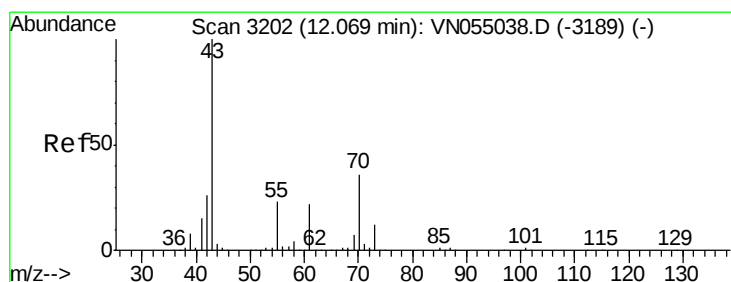
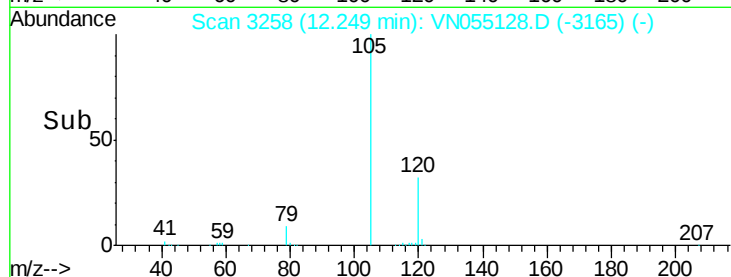
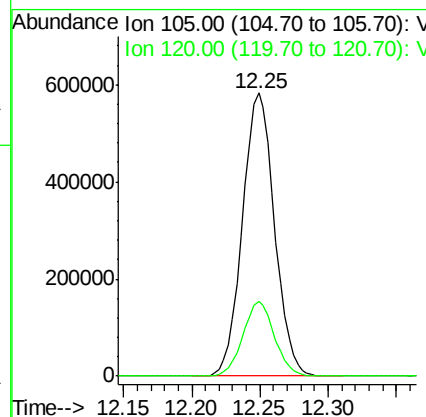
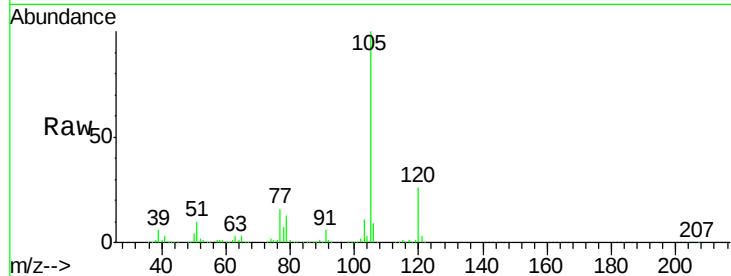
120 26.0 13.3 39.9

Manual Integrations

APPROVED

MMDadoda

4/19/2019 5:47:03 PM



#74

N-ethyl acetate

Concen: 56.400 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055128.D

Acq: 18 Apr 2019 18:18

Tgt Ion: 43 Resp: 346092

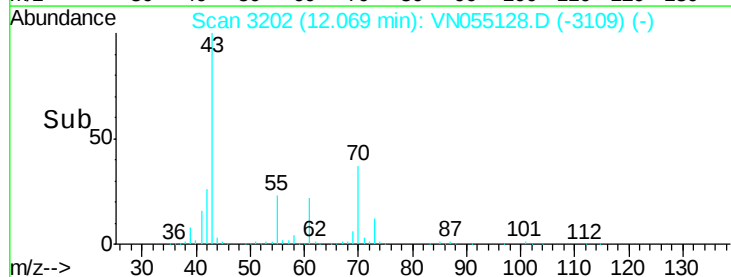
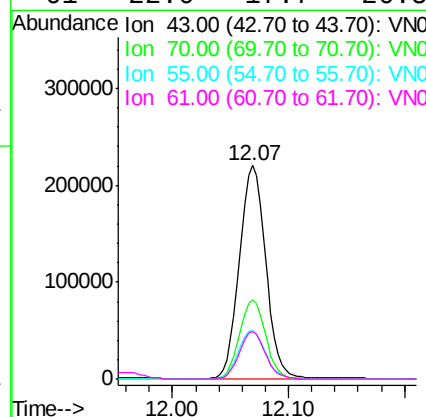
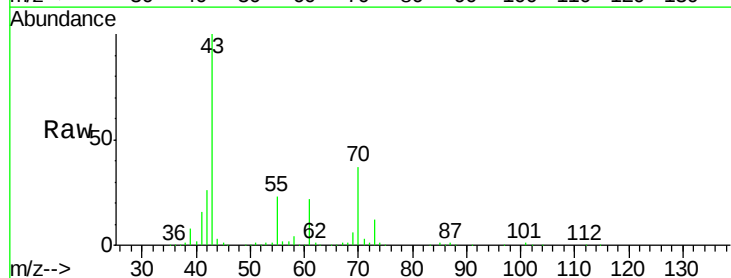
Ion Ratio Lower Upper

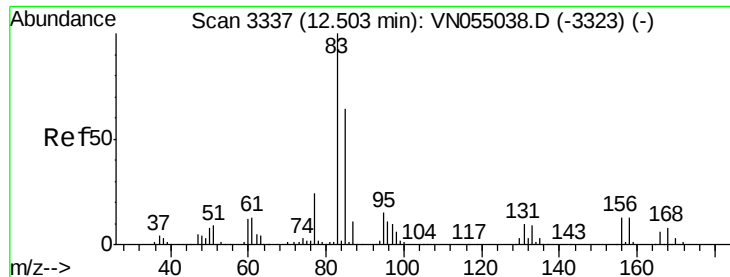
43 100

70 37.1 29.4 44.0

55 23.5 19.0 28.4

61 22.0 17.7 26.5





#75

1,1,2,2-Tetrachloroethane

Concen: 47.216 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055128.D

Acq: 18 Apr 2019 18:18

Instrument :

MSVOA_N

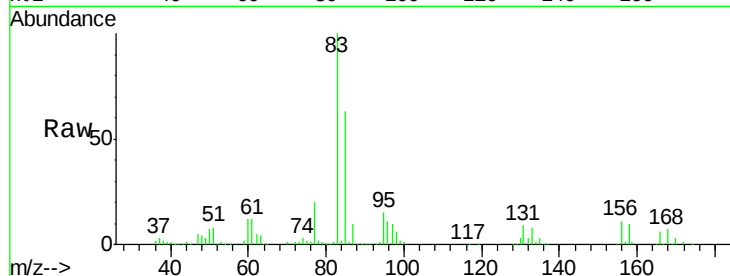
ClientSampleId :

VSTDCCC050EC

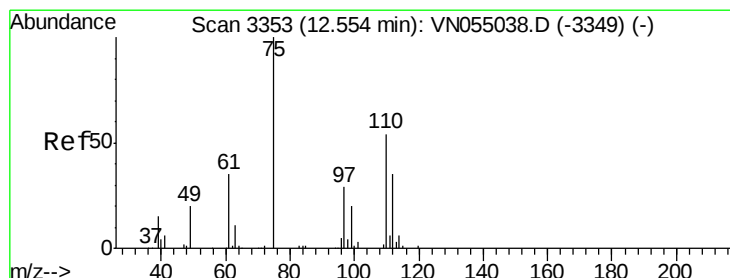
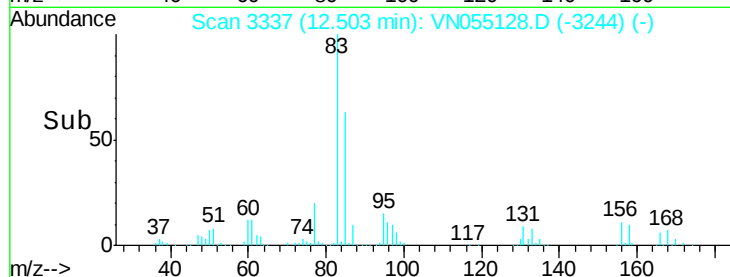
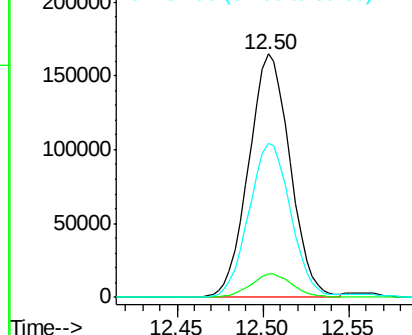
Tot Ion:	83	Resp:	275409
Ion Ratio	Lower	Upper	
83	100		
131	9.8	5.0	15.0
85	64.2	32.3	96.9

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 58.443 ug/l m

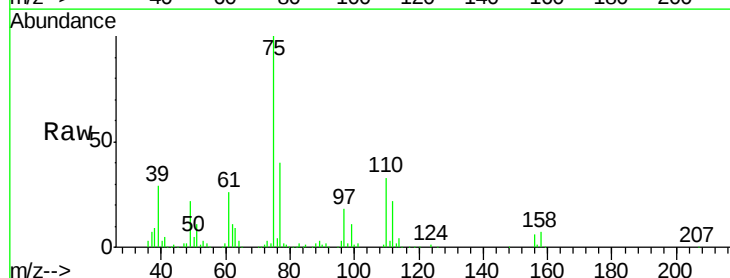
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

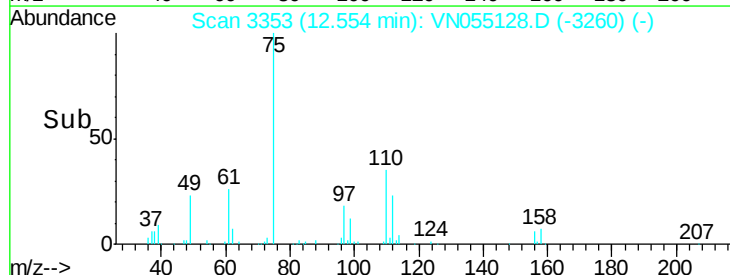
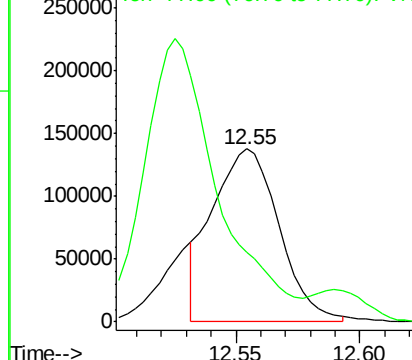
Lab File: VN055128.D

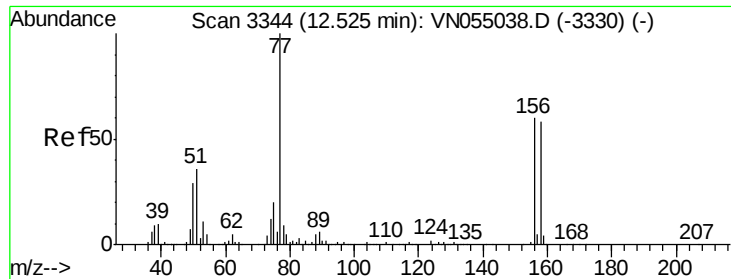
Acq: 18 Apr 2019 18:18

Tgt Ion:	75	Resp:	258173
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 43.555 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055128.D

Acq: 18 Apr 2019 18:18

Instrument :

MSVOA_N

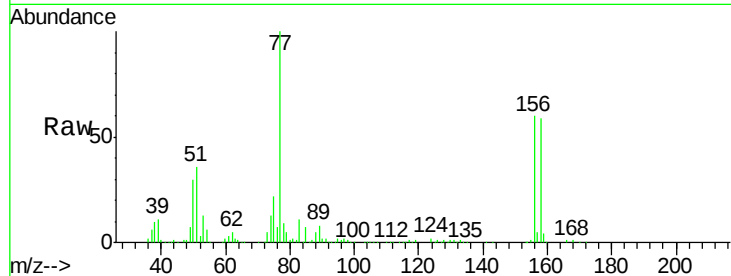
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	236701
Ion Ratio	Lower	Upper	
156	100		
77	198.3	97.2	291.5
158	96.4	48.6	145.9

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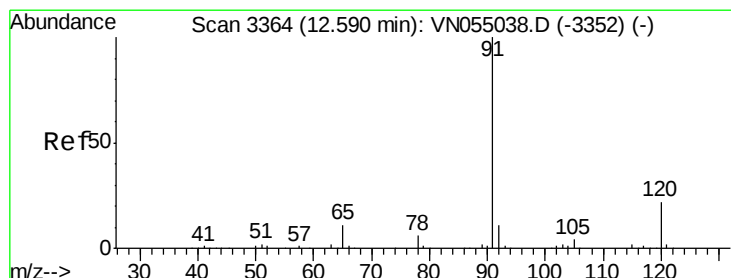
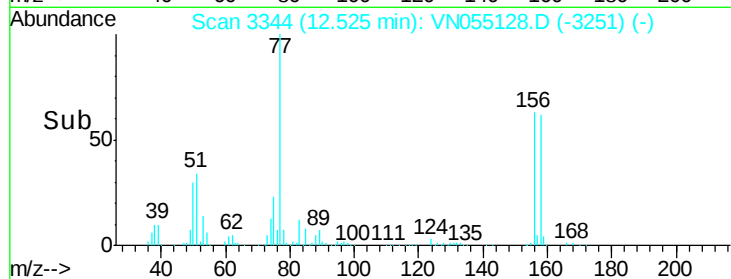
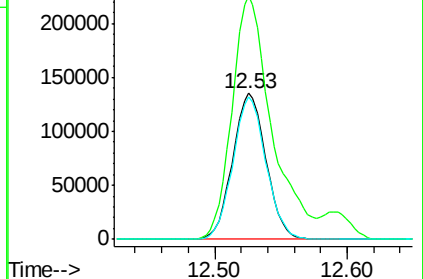
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 44.115 ug/l

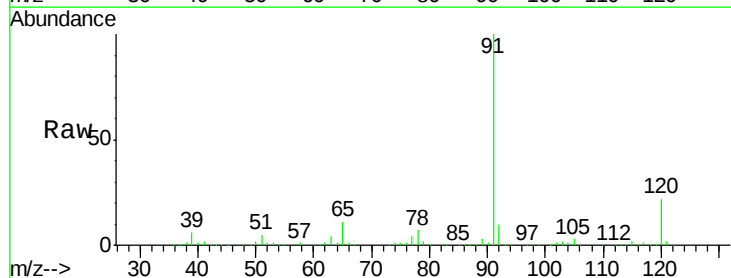
RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055128.D

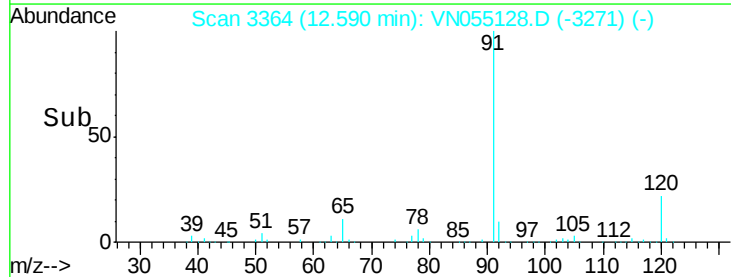
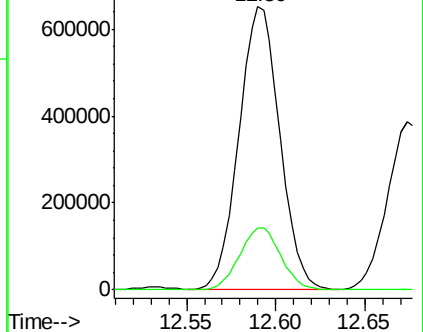
Acq: 18 Apr 2019 18:18

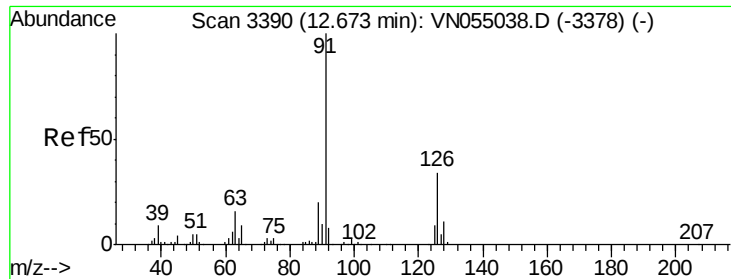
Tgt Ion:	91	Resp:	1038993
Ion Ratio	Lower	Upper	
91	100		
120	22.3	11.2	33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 43.778 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055128.D

Acq: 18 Apr 2019 18:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 643110

Ion Ratio Lower Upper

91 100

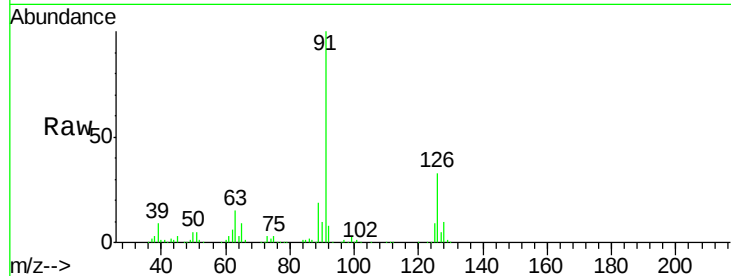
126 33.6 17.1 51.2

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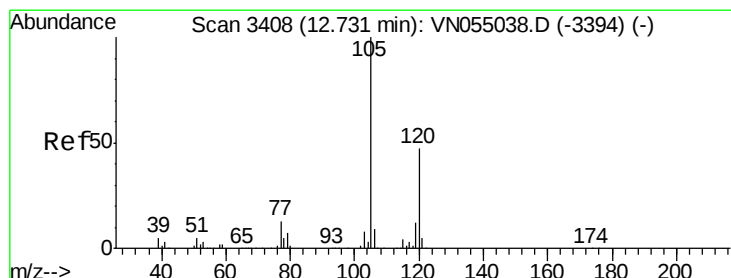
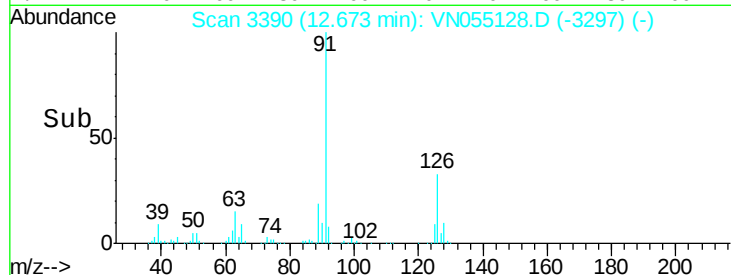
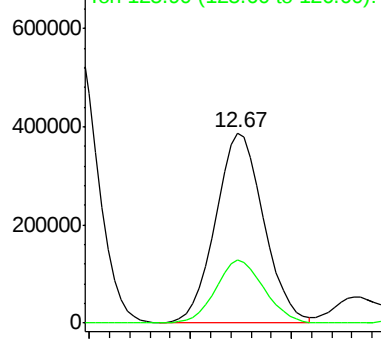
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Abundance Ion 91.00 (90.70 to 91.70): VN055128.D (-3297) (-)



#80

1,3,5-Trimethylbenzene

Concen: 43.340 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055128.D

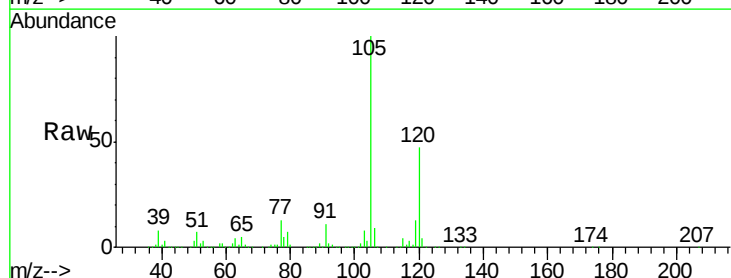
Acq: 18 Apr 2019 18:18

Tgt Ion: 105 Resp: 762411

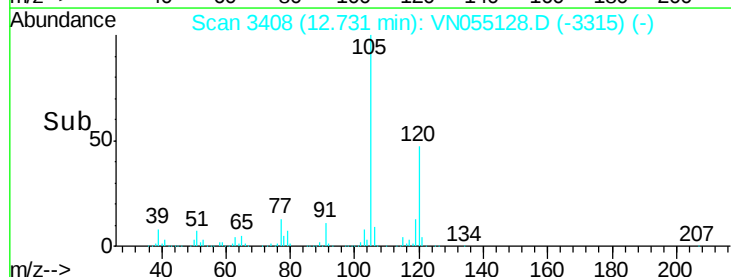
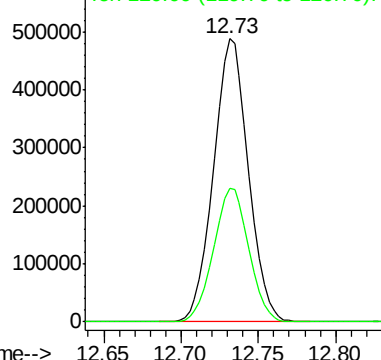
Ion Ratio Lower Upper

105 100

120 48.0 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): VN055128.D (-3315) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 58.452 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055128.D

Acq: 18 Apr 2019 18:18

Instrument :

MSVOA_N

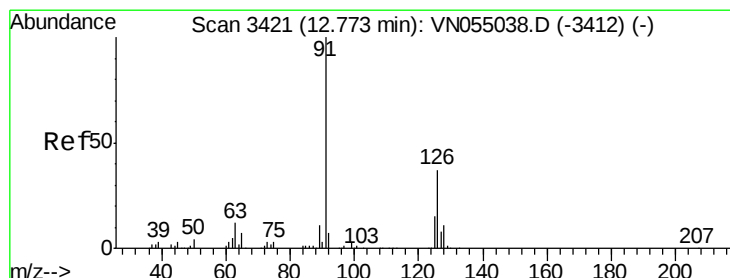
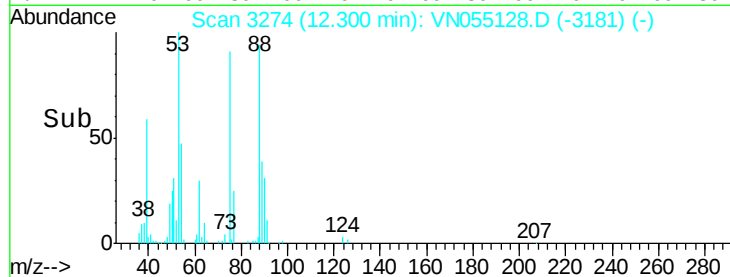
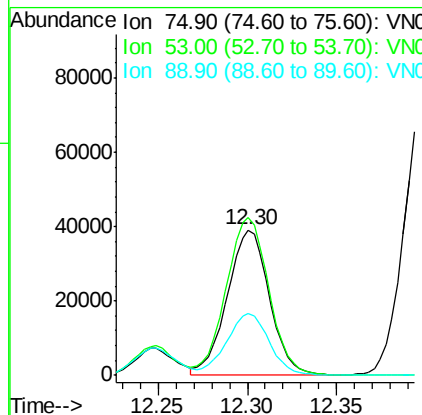
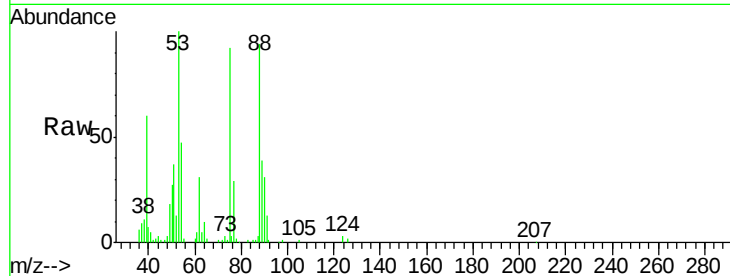
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	64572
Ion	Ratio	Lower	Upper
75	100		
53	110.3	96.3	144.5
89	43.0	38.6	57.8

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#82

4-Chlorotoluene

Concen: 45.214 ug/l

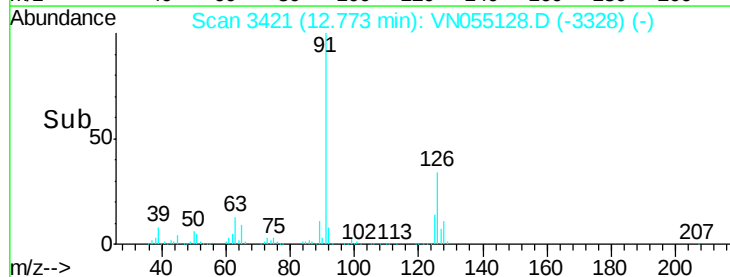
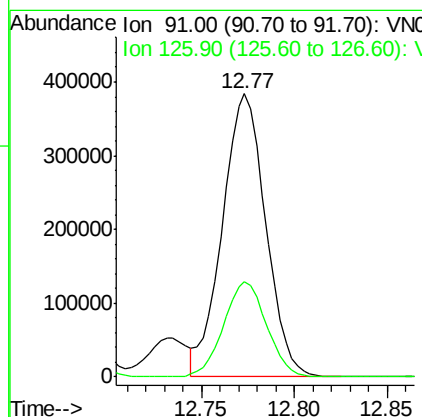
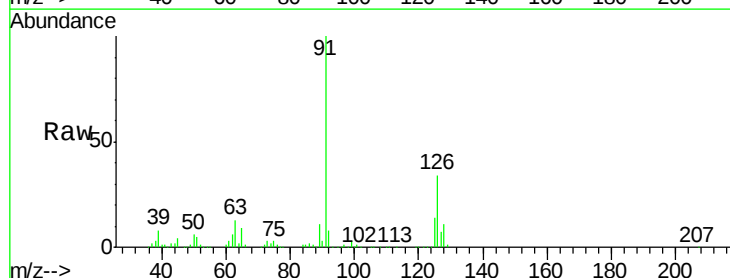
RT: 12.77 min Scan# 3421

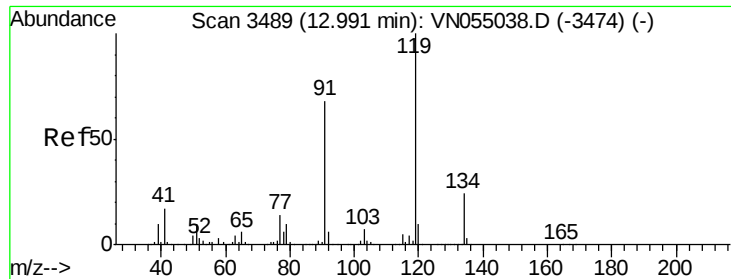
Delta R.T. 0.00 min

Lab File: VN055128.D

Acq: 18 Apr 2019 18:18

Tgt Ion:	91	Resp:	619684
Ion	Ratio	Lower	Upper
91	100		
126	33.6	16.4	49.2





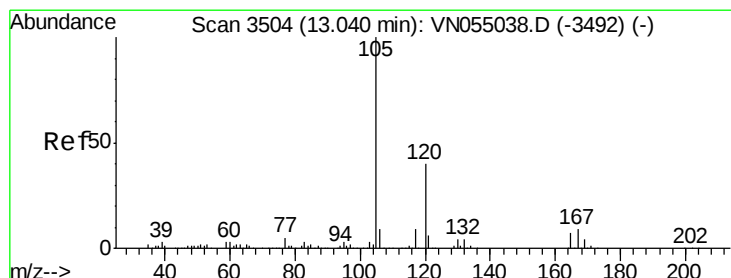
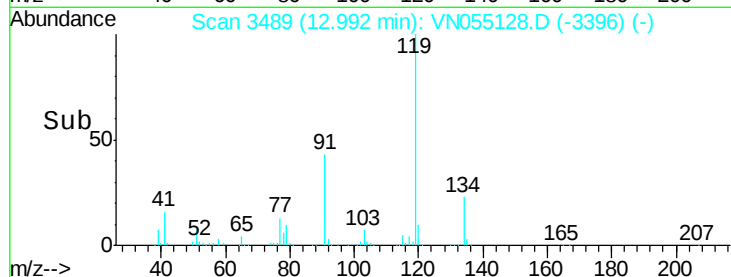
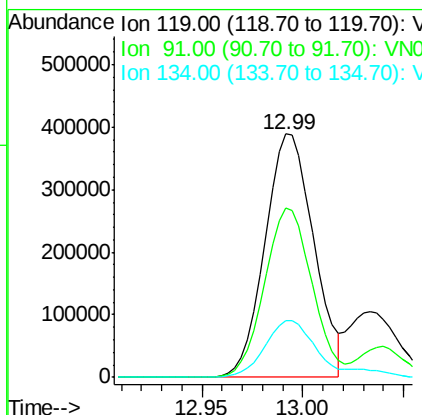
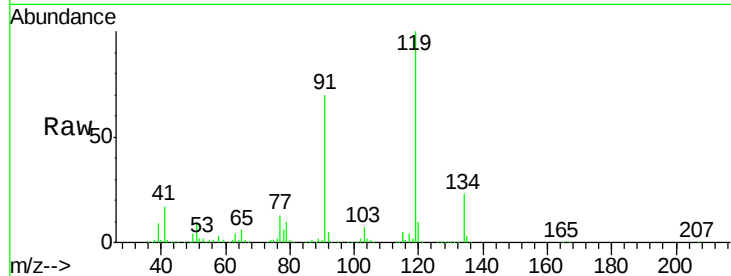
#83
 tert-Butylbenzene
 Concen: 44.013 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN055128.D
 Acq: 18 Apr 2019 18:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.8	33.3	99.8
134	26.1	12.3	36.9

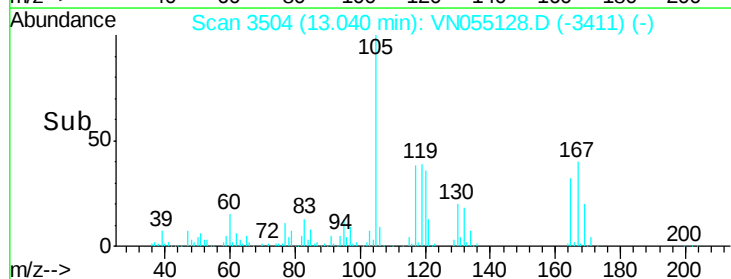
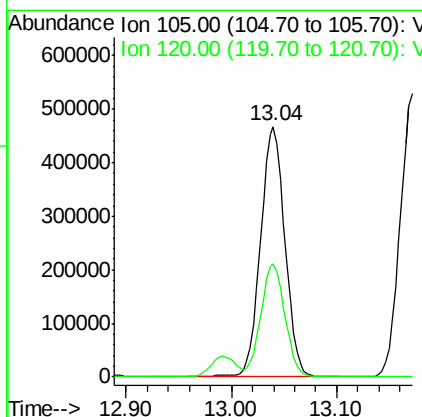
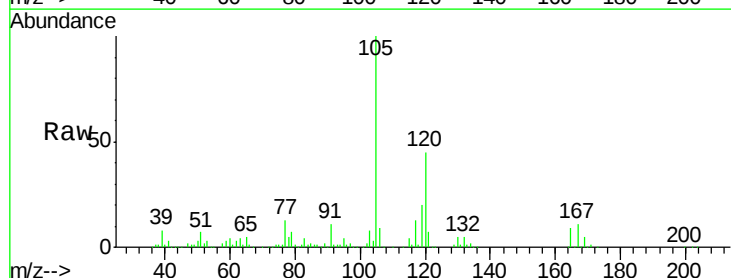
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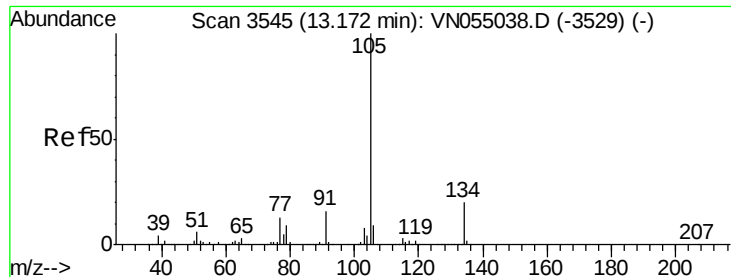
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#84
 1,2,4-Trimethylbenzene
 Concen: 45.167 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN055128.D
 Acq: 18 Apr 2019 18:18

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.8	22.4	67.3





#85

sec-Butylbenzene

Concen: 44.134 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055128.D

Acq: 18 Apr 2019 18:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 835490

Ion Ratio Lower Upper

105 100

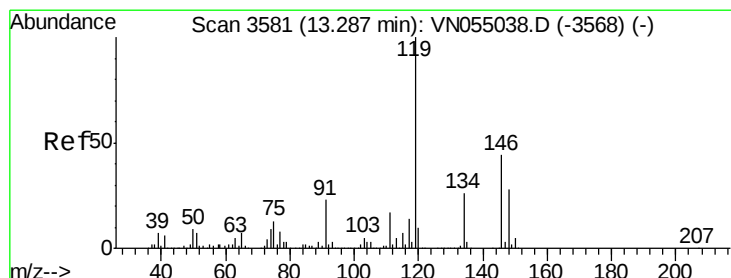
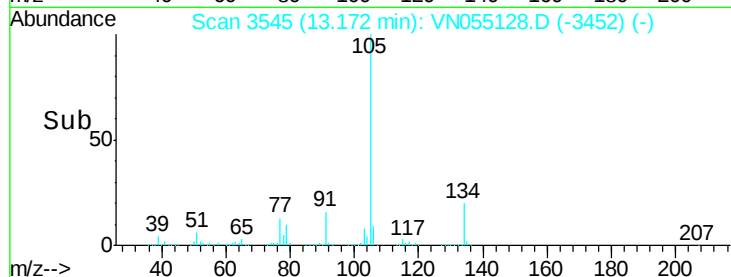
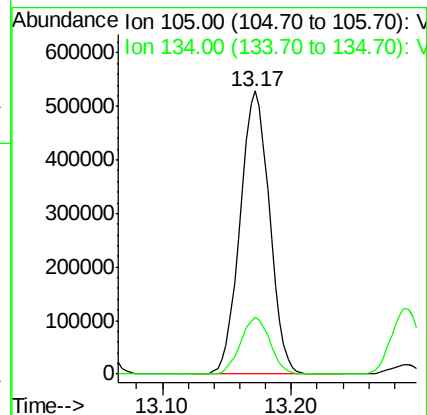
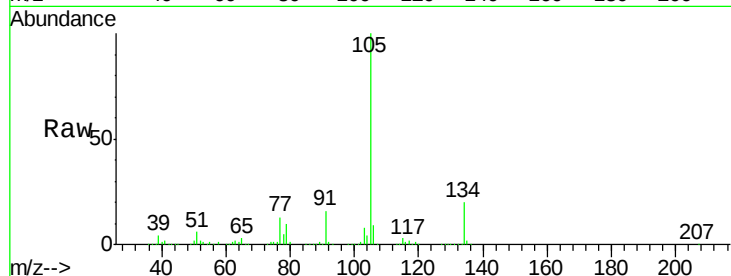
134 20.1 9.8 29.3

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#86

p-Isopropyltoluene

Concen: 44.882 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055128.D

Acq: 18 Apr 2019 18:18

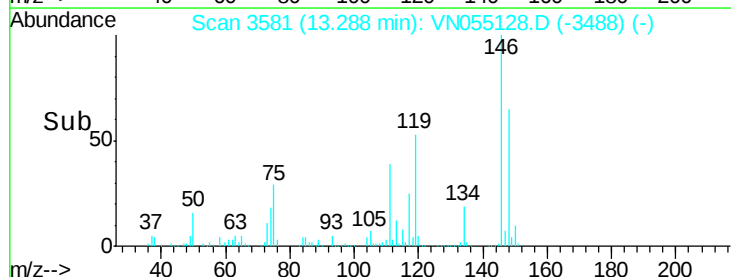
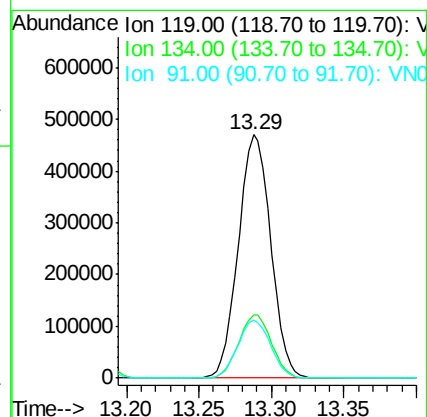
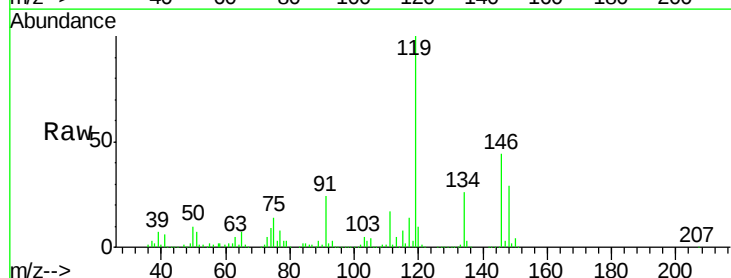
Tgt Ion:119 Resp: 728938

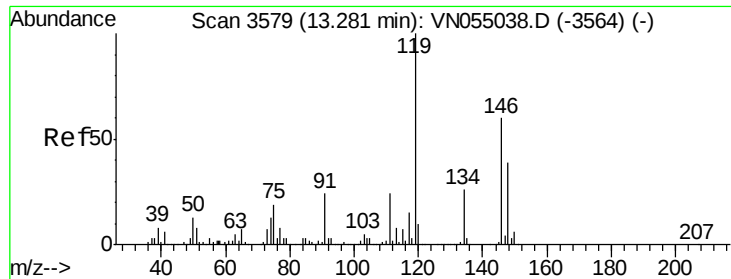
Ion Ratio Lower Upper

119 100

134 26.4 13.2 39.5

91 24.0 11.7 35.1





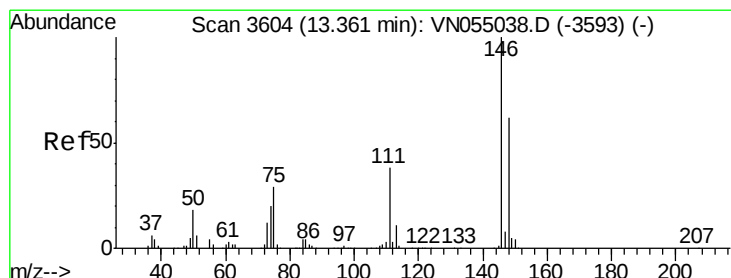
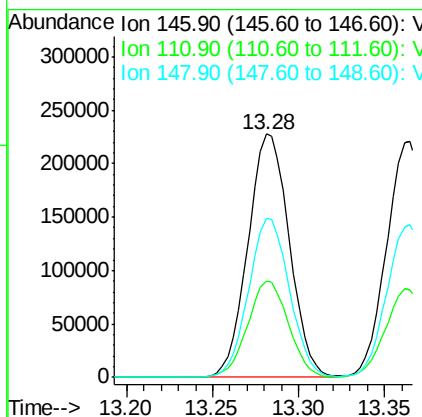
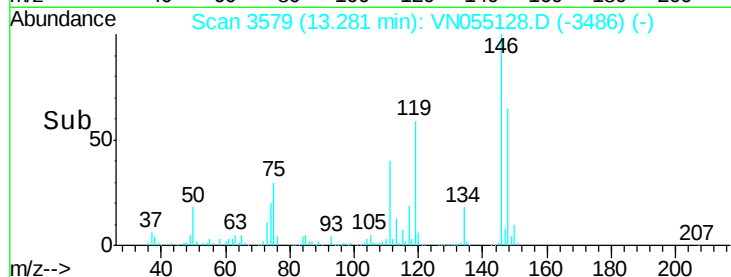
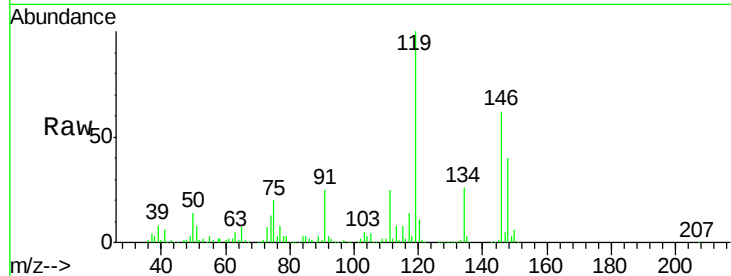
#87
 1,3-Dichlorobenzene
 Concen: 46.039 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055128.D
 Acq: 18 Apr 2019 18:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.5	58.5
148	64.7	31.6	94.7

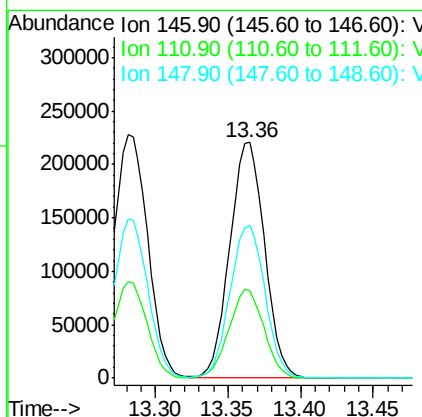
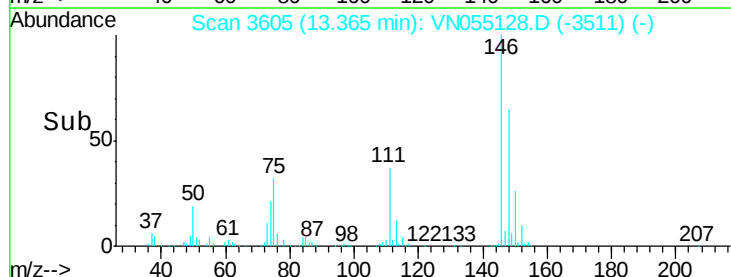
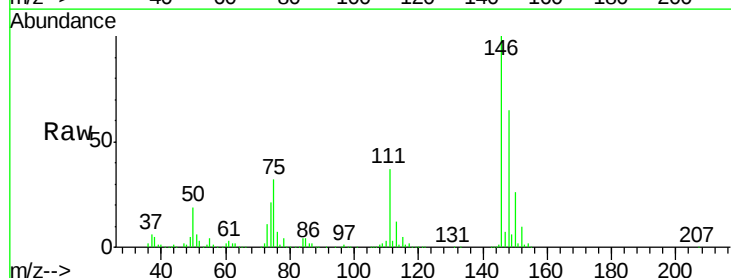
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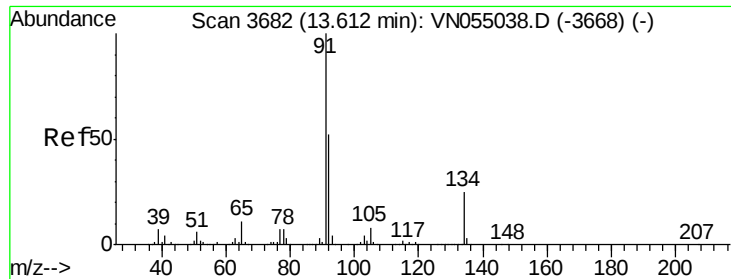
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#88
 1,4-Dichlorobenzene
 Concen: 46.865 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN055128.D
 Acq: 18 Apr 2019 18:18

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.8	56.4
148	64.8	32.4	97.2





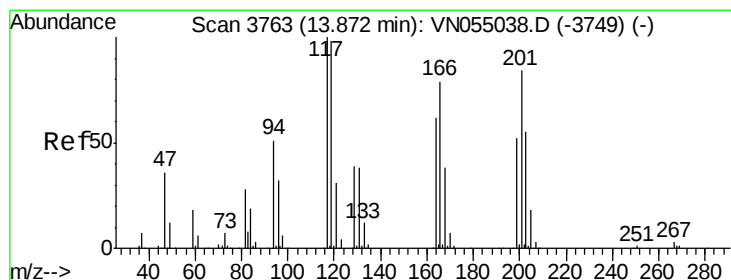
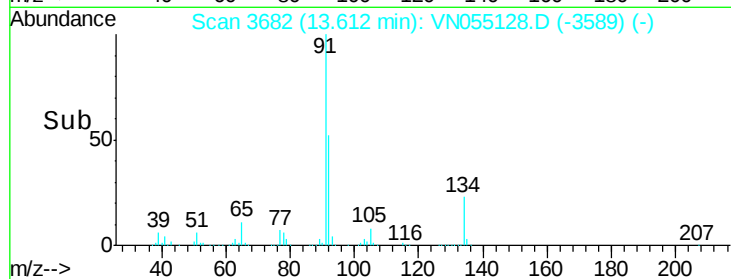
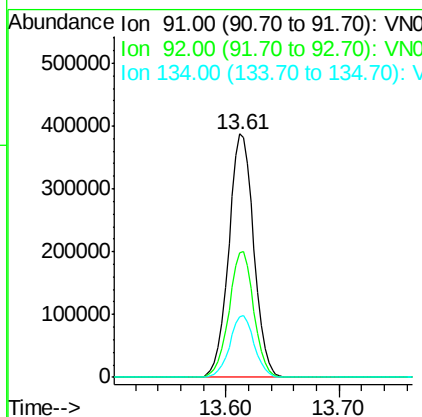
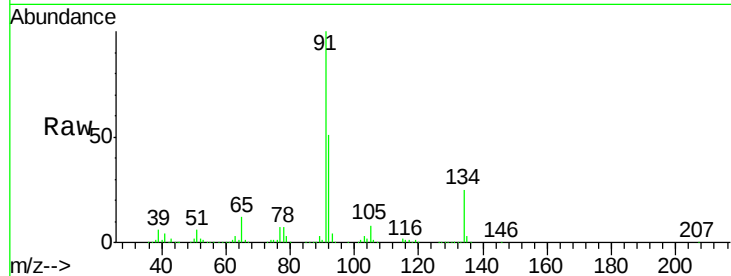
#89
n-Butylbenzene
Concen: 49.251 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055128.D
Acq: 18 Apr 2019 18:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.2	25.9	77.7
134	24.9	12.8	38.3

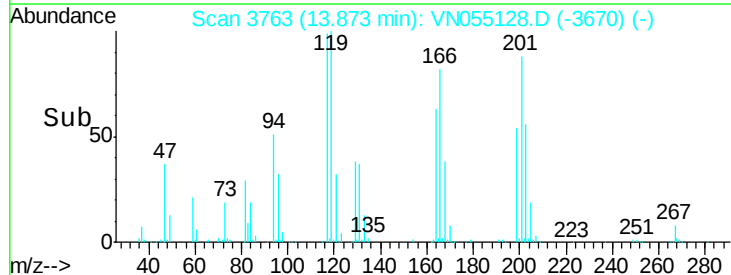
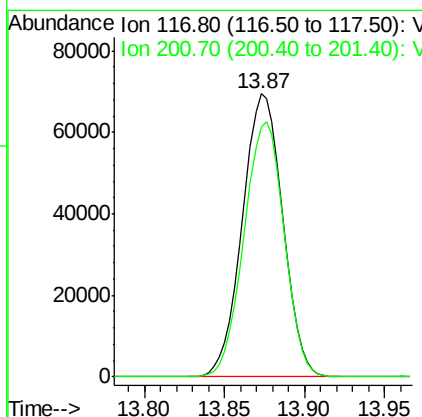
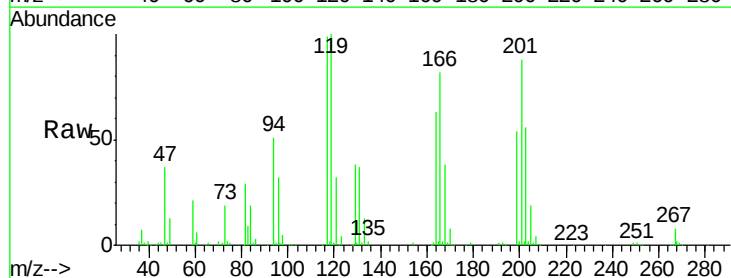
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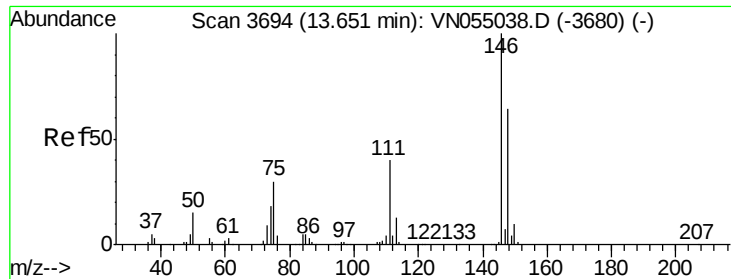
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#90
Hexachloroethane
Concen: 45.261 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055128.D
Acq: 18 Apr 2019 18:18

Tgt Ion	Ratio	Lower	Upper
117	100		
201	89.7	43.4	130.2





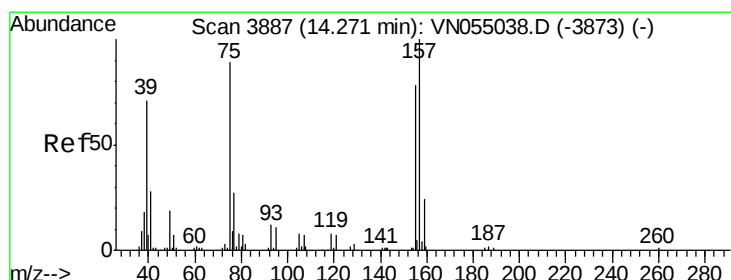
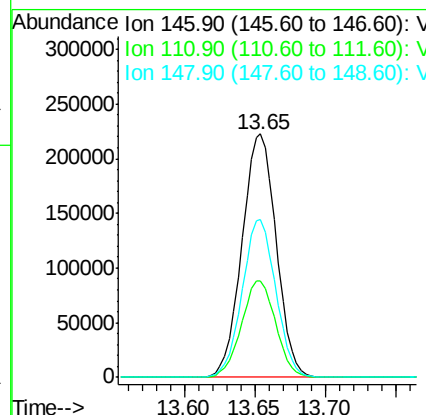
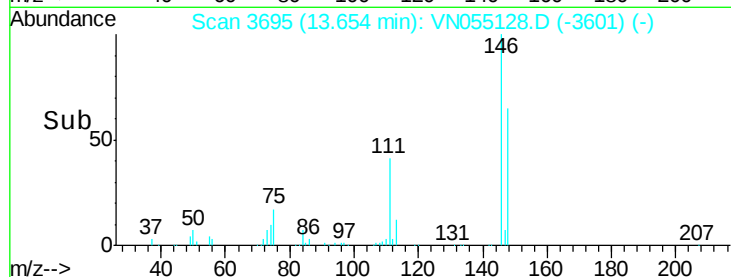
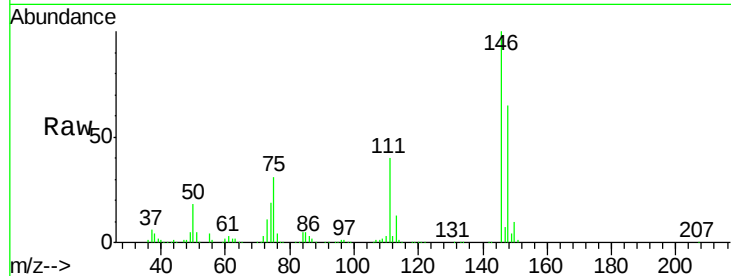
#91
 1,2-Dichlorobenzene
 Concen: 45.520 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN055128.D
 Acq: 18 Apr 2019 18:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.8	20.3	60.9
148	63.8	32.2	96.6

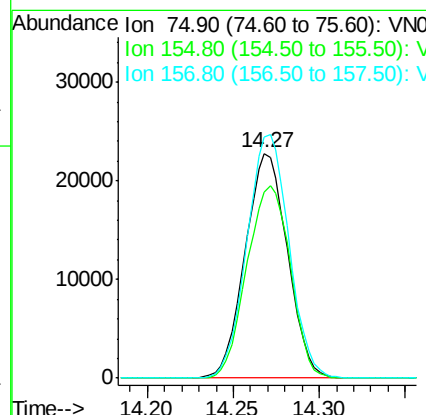
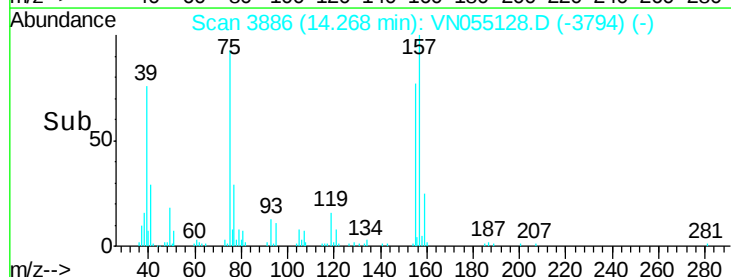
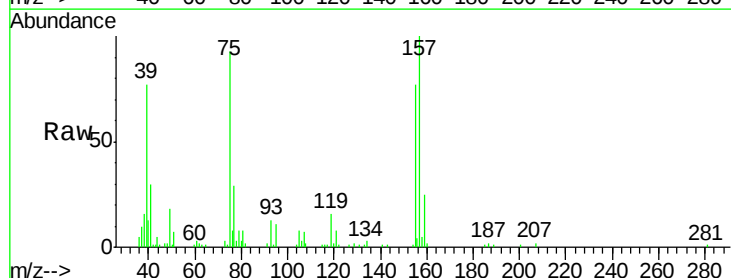
Manual Integrations
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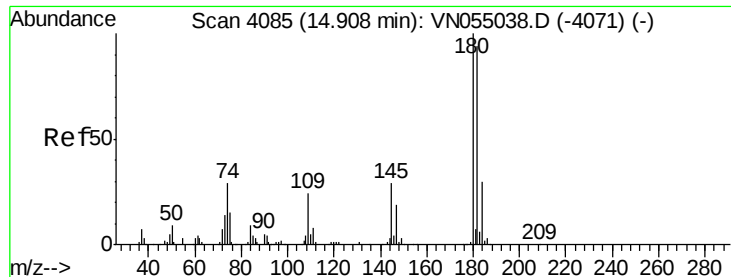
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.245 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN055128.D
 Acq: 18 Apr 2019 18:18

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.5	42.0	126.0
157	107.5	52.1	156.4





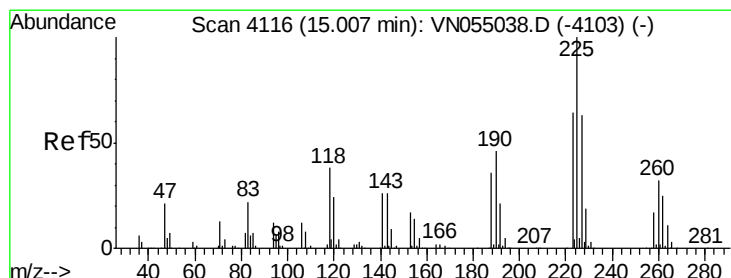
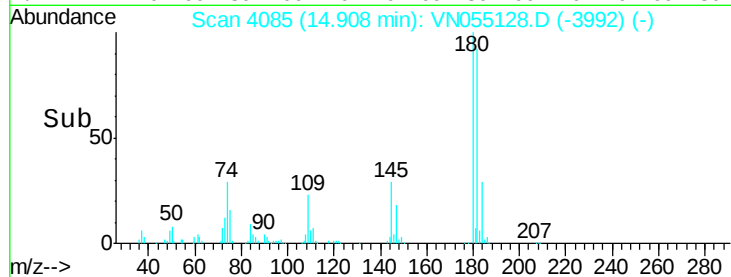
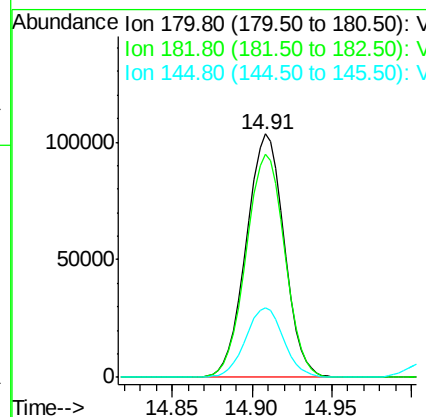
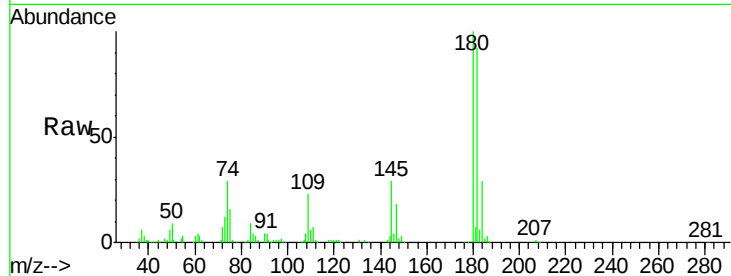
#93
 1,2,4-Trichlorobenzene
 Concen: 44.649 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055128.D
 Acq: 18 Apr 2019 18:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.7	47.5	142.6
145	28.7	14.2	42.8

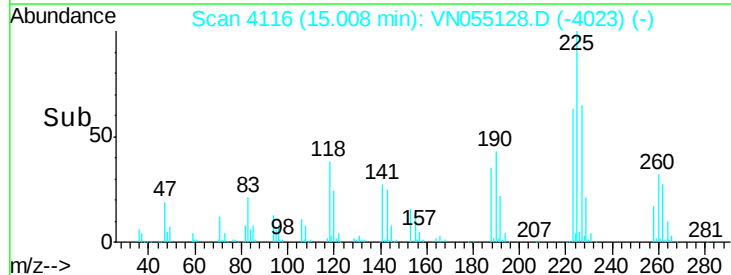
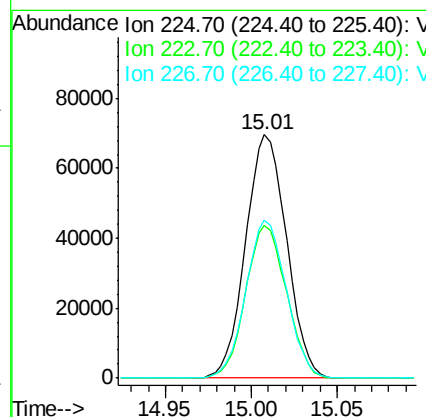
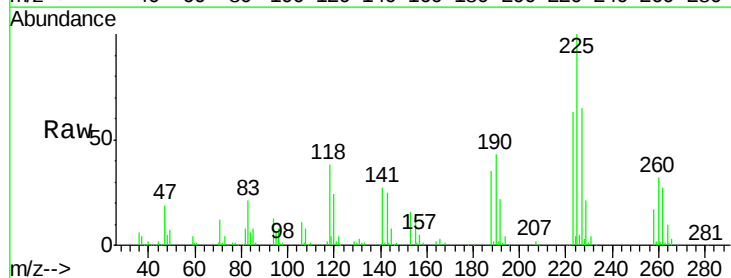
Manual Integrations
 APPROVED

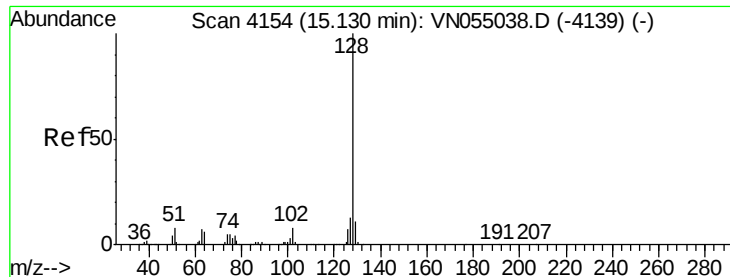
MMDadoda
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#94
 Hexachlorobutadiene
 Concen: 44.977 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055128.D
 Acq: 18 Apr 2019 18:18

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.3	31.4	94.0
227	63.9	32.6	97.7





#95

Naphthalene

Concen: 44.792 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055128.D

Acq: 18 Apr 2019 18:18

Instrument :

MSVOA_N

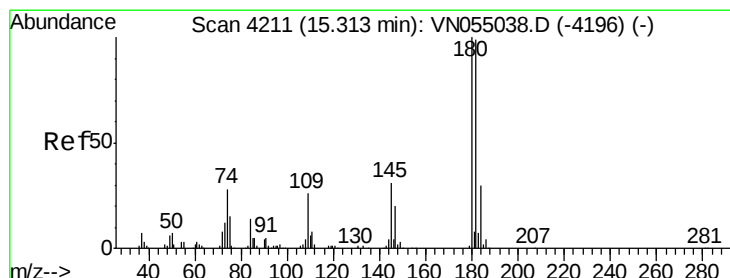
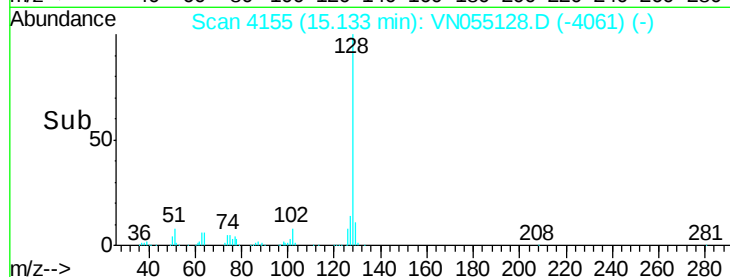
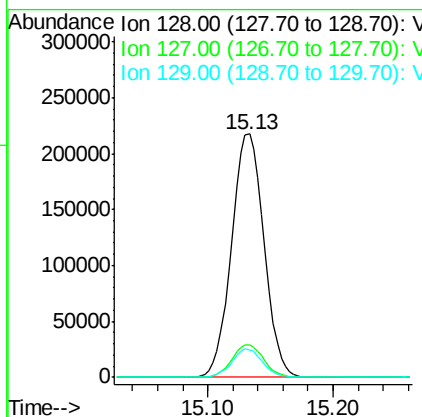
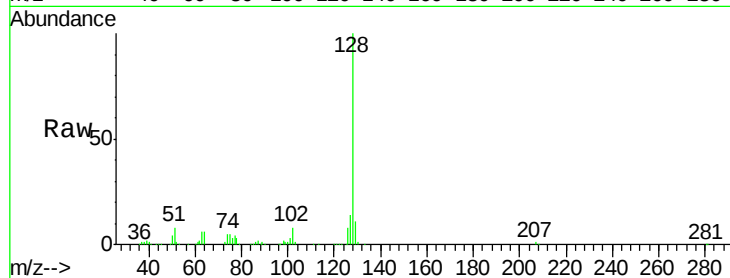
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	391768
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.1	15.1
129	11.0	8.8	13.2

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 53.559 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055128.D

Acq: 18 Apr 2019 18:18

Tgt Ion:	180	Resp:	171722
Ion Ratio	Lower	Upper	
180	100		
182	94.9	48.0	144.0
145	31.6	15.3	45.9

