

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041519\
 Data File : VN055039.D
 Acq On : 15 Apr 2019 11:35
 Operator : JC/SP
 Sample : VSTDICC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 4/17/2019 1:49:12 PM

Quant Time: Apr 15 12:15:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041519W.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 15 11:57:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	430386	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	683214	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	615890	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	276882	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	543920	100.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	201.42%	
35) Dibromofluoromethane	7.59	113	441983	101.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	202.96%	
50) Toluene-d8	10.09	98	1648434	103.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	206.10%	
62) 4-Bromofluorobenzene	12.40	95	578572	107.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	214.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	468842	98.761	ug/l	100
3) Chloromethane	2.06	50	606681	95.298	ug/l	98
4) Vinyl Chloride	2.19	62	500494	96.884	ug/l	98
5) Bromomethane	2.55	94	273998	91.625	ug/l	96
6) Chloroethane	2.70	64	271660	95.357	ug/l	97
7) Trichlorofluoromethane	3.01	101	626101	96.620	ug/l	99
8) Diethyl Ether	3.41	74	202781	99.505	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	318512	94.241	ug/l	99
10) Methyl Iodide	3.94	142	619887	127.174	ug/l	95
11) Tert butyl alcohol	4.82	59	162627	489.319	ug/l #	72
12) 1,1-Dichloroethene	3.73	96	309102	92.891	ug/l	99
13) Acrolein	3.60	56	175991	438.697	ug/l	98
14) Allyl chloride	4.31	41	837458	103.003	ug/l	100
15) Acrylonitrile	4.99	53	958159	522.695	ug/l	99
16) Acetone	3.82	43	685753	462.178	ug/l	99
17) Carbon Disulfide	4.04	76	1108768	102.301	ug/l	100
18) Methyl Acetate	4.33	43	446804	97.145	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	1219987	102.613	ug/l	99
20) Methylene Chloride	4.54	84	484358	89.084	ug/l	98
21) trans-1,2-Dichloroethene	5.03	96	440543	100.498	ug/l	97
22) Diisopropyl ether	5.96	45	1713478	103.943	ug/l	98
23) Vinyl Acetate	5.90	43	6278638	544.555	ug/l	100
24) 1,1-Dichloroethane	5.85	63	881215	98.977	ug/l	99
25) 2-Butanone	6.85	43	1216704	532.430	ug/l	99
26) 2,2-Dichloropropane	6.82	77	596055	101.193	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	516223	101.370	ug/l	99
28) Bromochloromethane	7.19	49	417974	98.948	ug/l	100
29) Tetrahydrofuran	7.22	42	771378	514.926	ug/l	100
30) Chloroform	7.37	83	840482	98.996	ug/l	100
31) Cyclohexane	7.65	56	798278	81.478	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	692632	102.406	ug/l	100
36) 1,1-Dichloropropene	7.79	75	640018	101.360	ug/l	100
37) Ethyl Acetate	6.94	43	513797	108.391	ug/l	99
38) Carbon Tetrachloride	7.77	117	590425	99.338	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	691213	95.620	ug/l	99
40) Benzene	8.04	78	1915641	100.347	ug/l	100
41) Methacrylonitrile	7.18	41	300990	103.193	ug/l	98
42) 1,2-Dichloroethane	8.12	62	655889	97.667	ug/l	99
43) Isopropyl Acetate	8.17	43	880053	108.576	ug/l	99
44) Trichloroethene	8.83	130	488568	100.144	ug/l	99
45) 1,2-Dichloropropane	9.12	63	538530	99.965	ug/l	100
46) Dibromomethane	9.21	93	307299	99.551	ug/l	98
47) Bromodichloromethane	9.40	83	649911	103.533	ug/l	98
48) Methyl methacrylate	9.20	41	448922	107.515	ug/l	100
49) 1,4-Dioxane	9.20	88	78532	1748.860	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	2545692	536.397	ug/l	99
52) Toluene	10.16	92	1149542	101.818	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	658768	115.897	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	785571	112.194	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	431919	102.697	ug/l	99
56) Ethyl methacrylate	10.43	69	612130	113.109	ug/l	98
57) 1,3-Dichloropropane	10.71	76	750157	103.394	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	1169999	552.534	ug/l	99
59) 2-Hexanone	10.75	43	1622033	546.931	ug/l	100
60) Dibromochloromethane	10.90	129	475071	113.480	ug/l	100
61) 1,2-Dibromoethane	11.00	107	425745	105.730	ug/l	99
64) Tetrachloroethene	10.63	164	448010	92.994	ug/l	99
65) Chlorobenzene	11.43	112	1213855	102.215	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	454844	103.930	ug/l	99
67) Ethyl Benzene	11.51	91	2210894	101.353	ug/l	99
68) m/p-Xylenes	11.62	106	1618327	202.777	ug/l	99
69) o-Xylene	11.95	106	795400	100.728	ug/l	99
70) Styrene	11.96	104	1358869	108.531	ug/l	99
71) Bromoform	12.13	173	307639	116.365	ug/l	99
73) Isopropylbenzene	12.25	105	2096533	89.057	ug/l	99
74) N-amyl acetate	12.07	43	714022	100.627	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	546347	89.639	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	420366m	82.523	ug/l	
77) Bromobenzene	12.53	156	527384	91.195	ug/l	99
78) n-propylbenzene	12.59	91	2358482	91.955	ug/l	99
79) 2-Chlorotoluene	12.67	91	1436759	90.678	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1738534	90.717	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	139303	112.873	ug/l	91
82) 4-Chlorotoluene	12.77	91	1449399	94.587	ug/l	99
83) tert-Butylbenzene	12.99	119	1447609	88.172	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1734874	94.409	ug/l	100
85) sec-Butylbenzene	13.17	105	1872176	89.313	ug/l	100
86) p-Isopropyltoluene	13.29	119	1668366	91.502	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	894381	95.101	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	872577	97.010	ug/l	99
89) n-Butylbenzene	13.61	91	1414983	98.812	ug/l	99
90) Hexachloroethane	13.87	117	276598	91.806	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	867117	94.976	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	82386	103.952	ug/l	95

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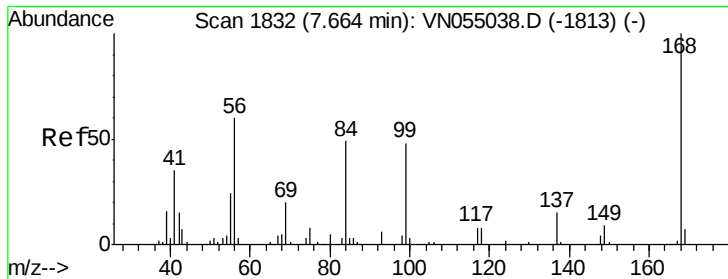
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	444339	115.576	ug/l	100
94) Hexachlorobutadiene	15.01	225	251769	79.124	ug/l	99
95) Naphthalene	15.13	128	1049398	116.623	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	431674	104.816	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN055039.D

Acq: 15 Apr 2019 11:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 430386

Ion Ratio Lower Upper

168 100

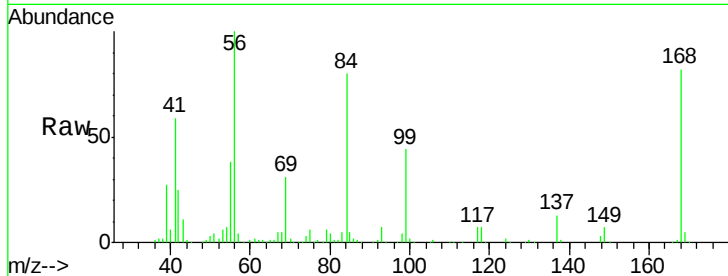
99 53.6 41.9 62.9

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

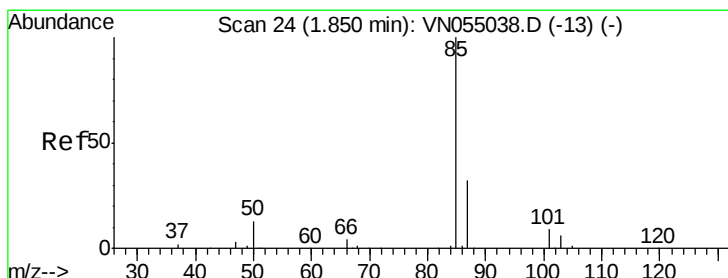
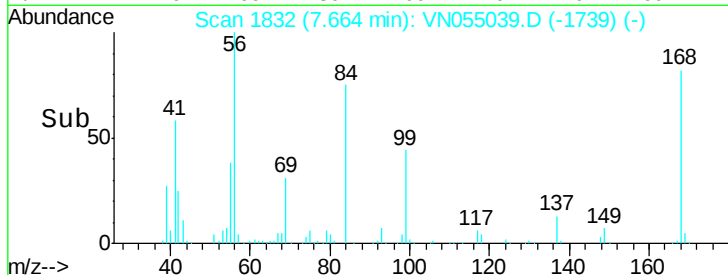
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 98.761 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN055039.D

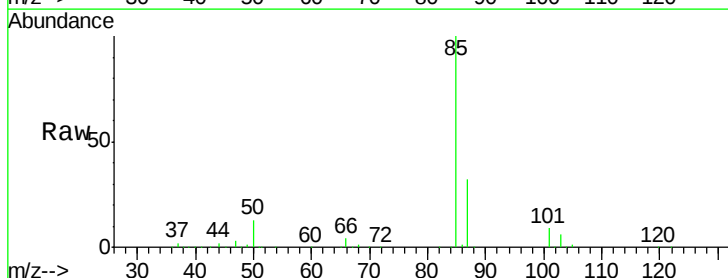
Acq: 15 Apr 2019 11:35

Tgt Ion: 85 Resp: 468842

Ion Ratio Lower Upper

85 100

87 32.2 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

400000

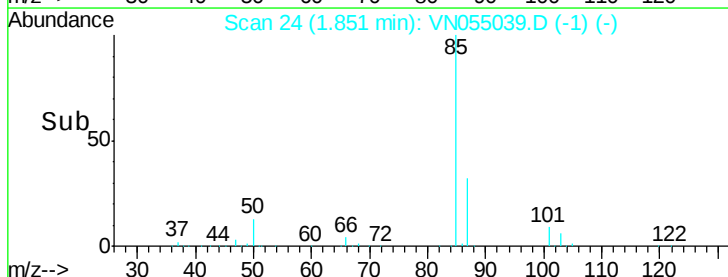
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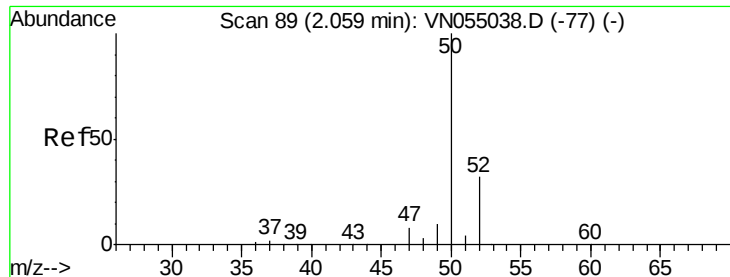
200000

100000

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Time-->





#3

Chloromethane

Concen: 95.298 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN055039.D

Acq: 15 Apr 2019 11:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tot Ion: 50 Resp: 606681

Ion Ratio Lower Upper

50 100

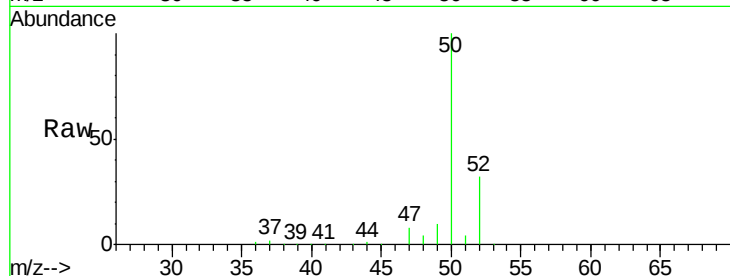
52 32.1 26.6 40.0

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.06

400000

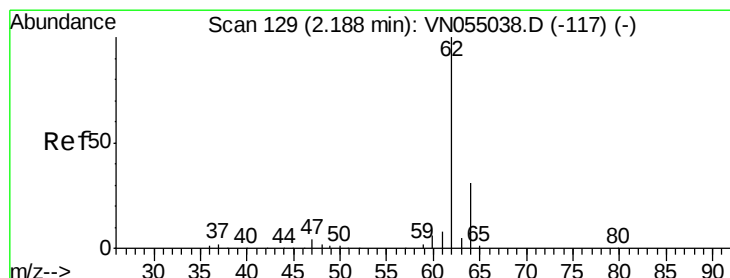
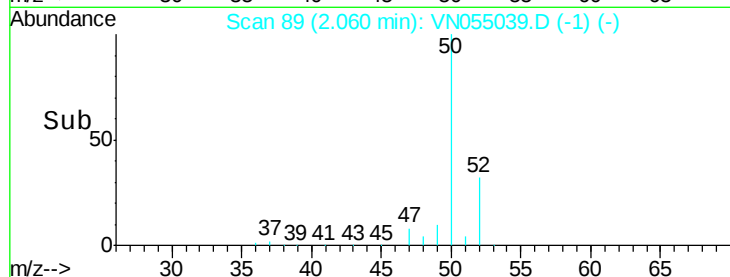
300000

200000

100000

0

Time-->



#4

Vinyl Chloride

Concen: 96.884 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN055039.D

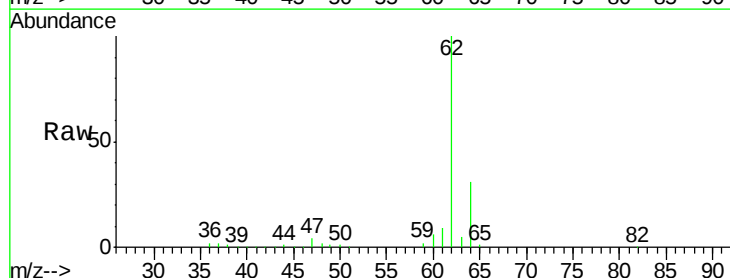
Acq: 15 Apr 2019 11:35

Tgt Ion: 62 Resp: 500494

Ion Ratio Lower Upper

62 100

64 31.4 25.8 38.6



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

2.19

400000

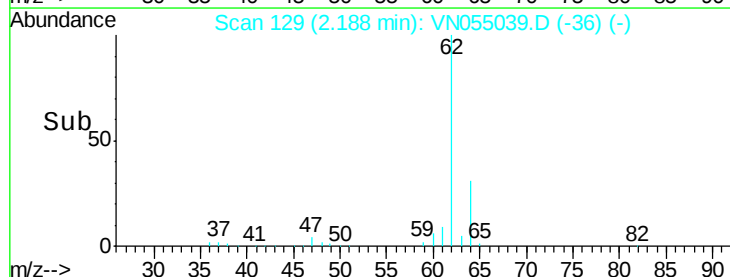
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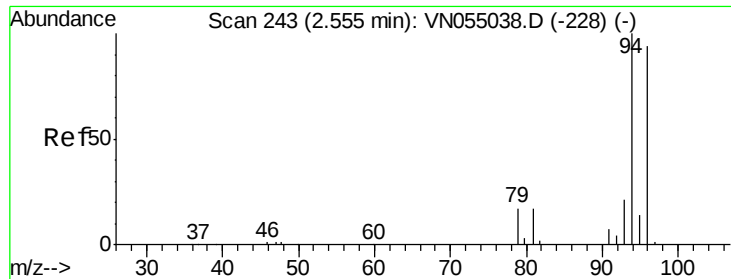
200000

100000

0

Time-->





#5

Bromomethane

Concen: 91.625 ug/l

RT: 2.55 min Scan# 240

Delta R.T. -0.01 min

Lab File: VN055039.D

Acq: 15 Apr 2019 11:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 273998

Ion Ratio Lower Upper

94 100

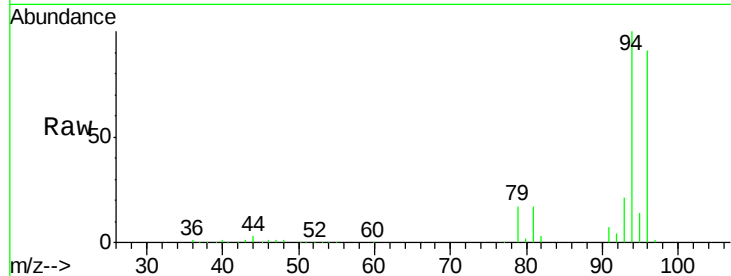
96 91.0 76.2 114.4

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

150000

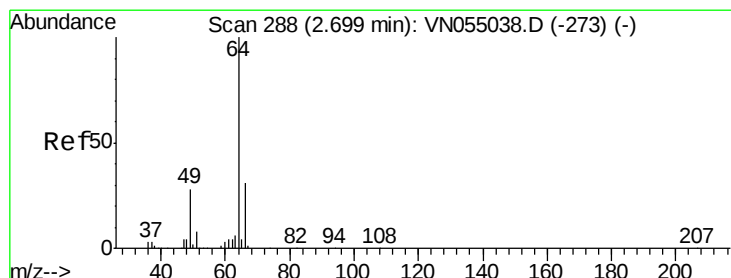
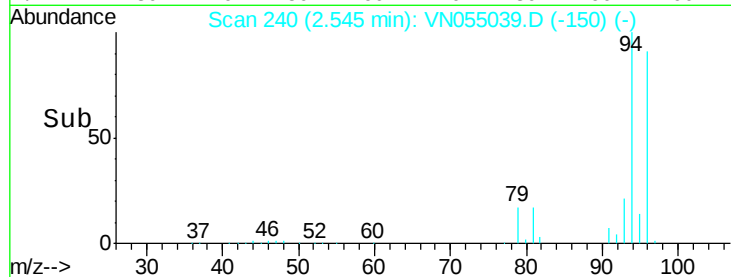
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50000

0

2.45 2.50 2.55 2.60

Time-->



#6

Chloroethane

Concen: 95.357 ug/l

RT: 2.70 min Scan# 287

Delta R.T. -0.00 min

Lab File: VN055039.D

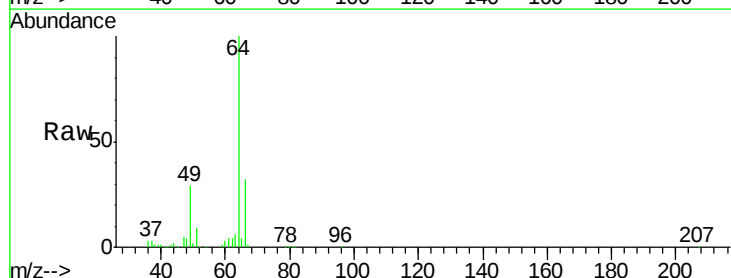
Acq: 15 Apr 2019 11:35

Tgt Ion: 64 Resp: 271660

Ion Ratio Lower Upper

64 100

66 31.8 26.6 40.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

150000

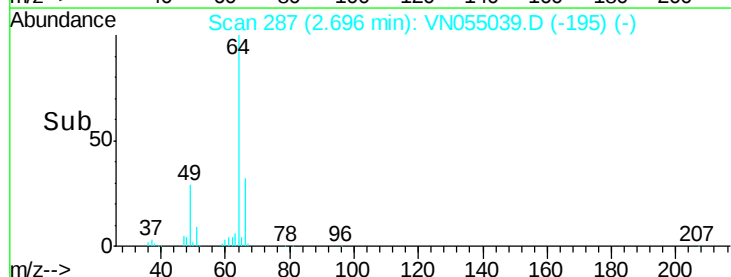
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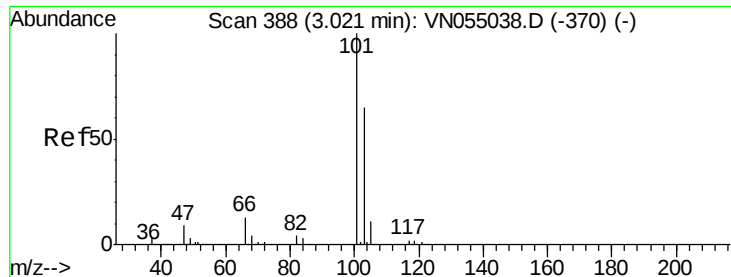
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2.60 2.70 2.80

Time-->





#7

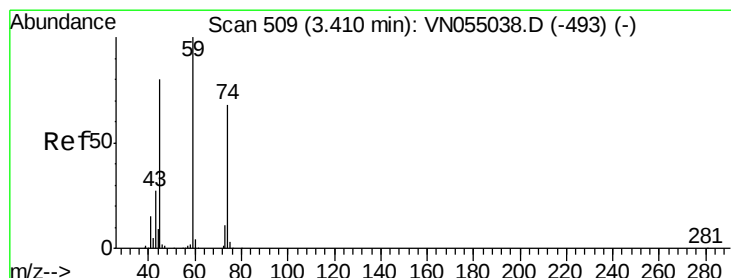
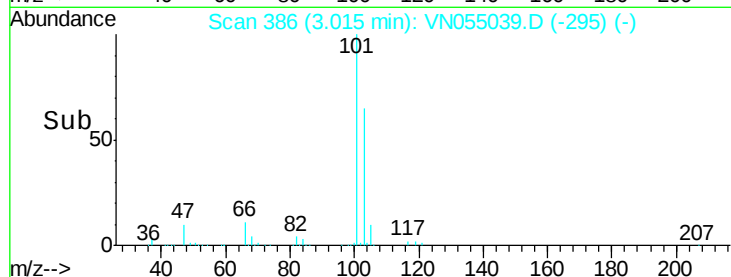
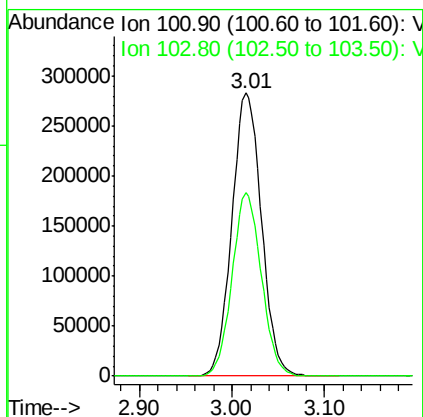
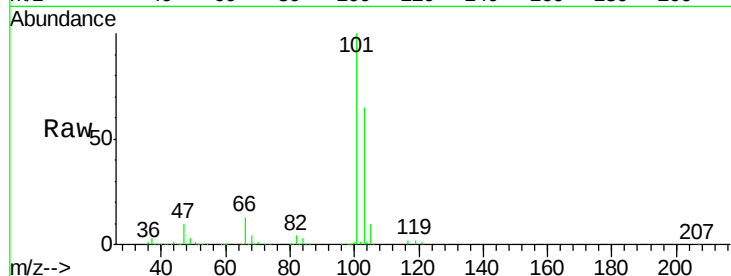
Trichlorofluoromethane
 Concen: 96.620 ug/l
 RT: 3.01 min Scan# 386
 Delta R.T. -0.01 min
 Lab File: VN055039.D
 Acq: 15 Apr 2019 11:35

Instrument :
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 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.8	52.5	78.7

Manual Integrations
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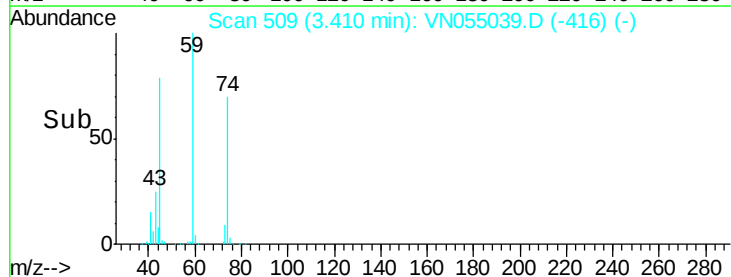
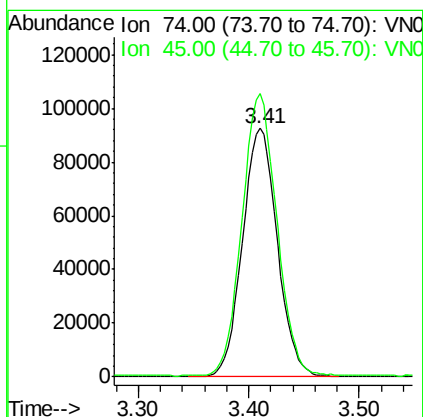
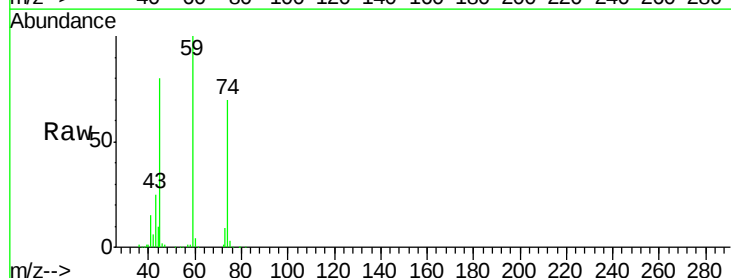
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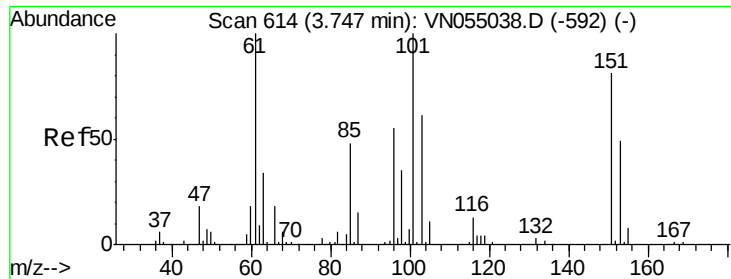


#8

Diethyl Ether
 Concen: 99.505 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: VN055039.D
 Acq: 15 Apr 2019 11:35

Tgt Ion	Ratio	Lower	Upper
74	100		
45	113.7	55.7	167.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 94.241 ug/l

RT: 3.74 min Scan# 613

Delta R.T. -0.00 min

Lab File: VN055039.D

Acq: 15 Apr 2019 11:35

Instrument :

MSVOA_N

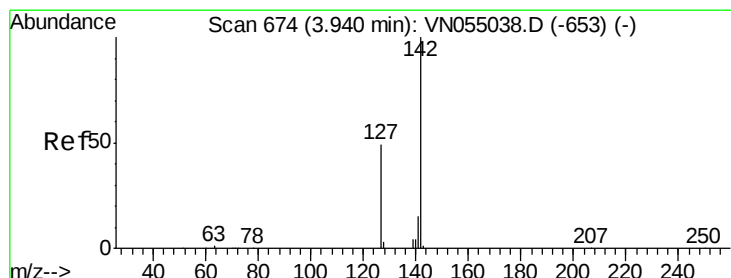
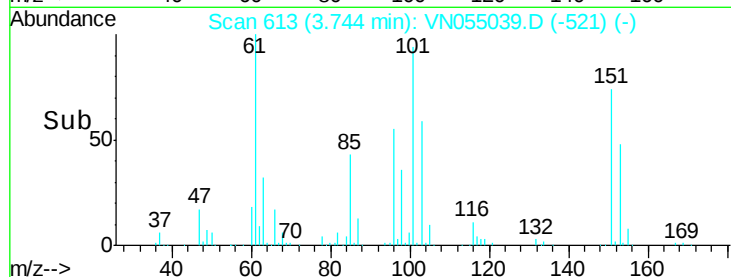
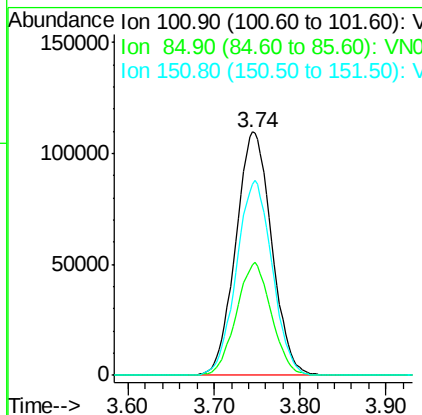
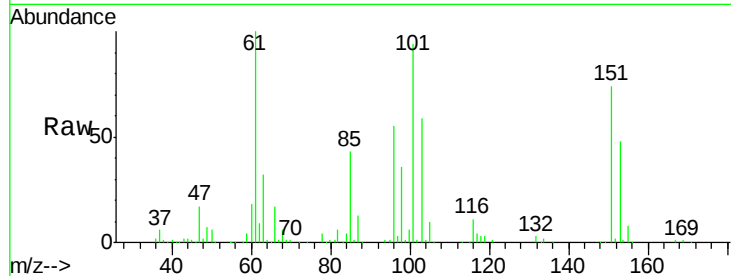
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	318512
Ion Ratio	Lower	Upper	
101	100		
85	45.4	36.9	55.3
151	79.8	64.4	96.6

Manual Integrations
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#10

Methyl Iodide

Concen: 127.174 ug/l

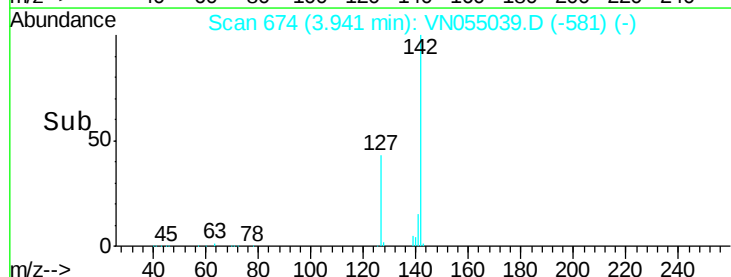
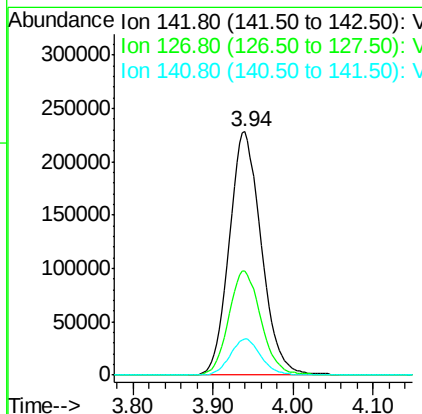
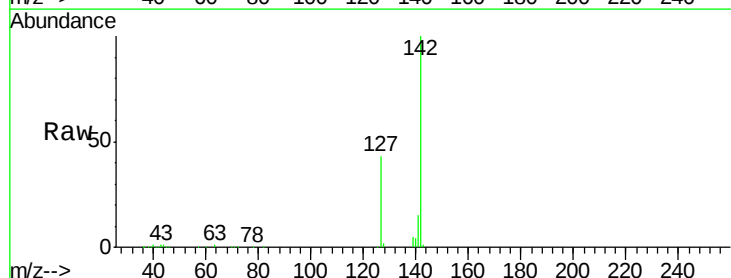
RT: 3.94 min Scan# 674

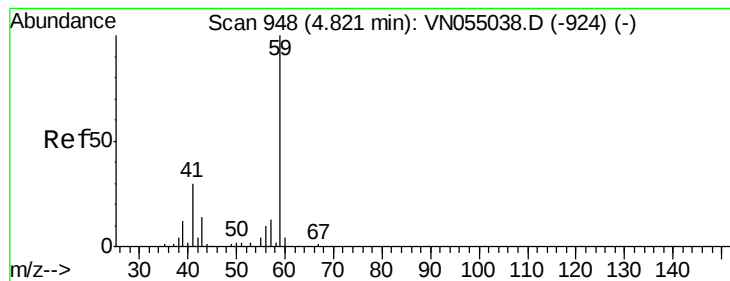
Delta R.T. 0.00 min

Lab File: VN055039.D

Acq: 15 Apr 2019 11:35

Tgt Ion:	142	Resp:	619887
Ion Ratio	Lower	Upper	
142	100		
127	43.2	37.9	56.9
141	14.4	11.8	17.8





#11

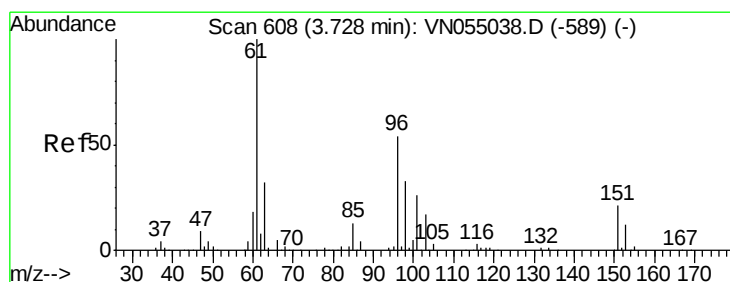
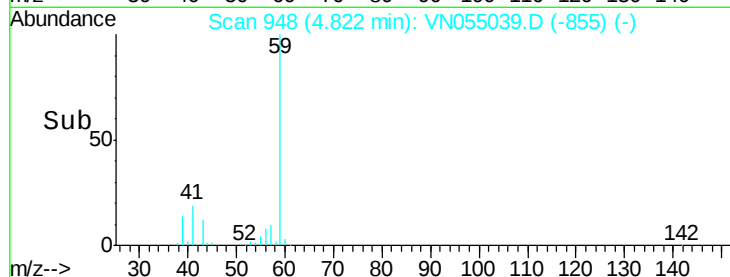
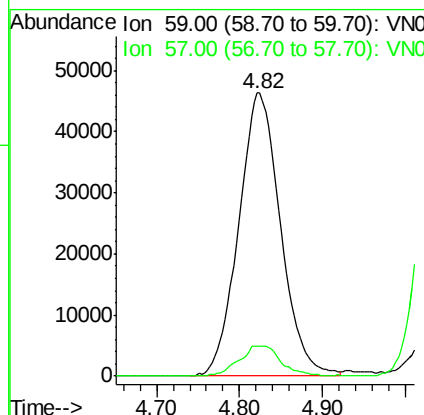
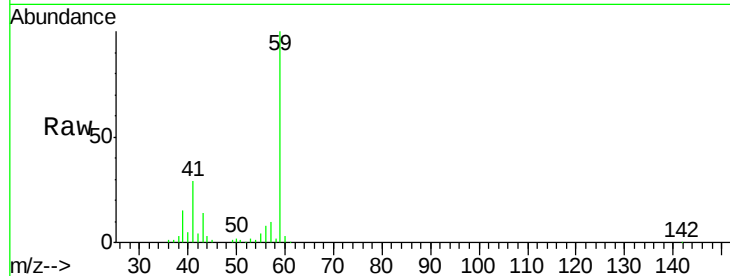
Tert butyl alcohol
 Concen: 489.319 ug/l
 RT: 4.82 min Scan# 948
 Delta R.T. 0.00 min
 Lab File: VN055039.D
 Acq: 15 Apr 2019 11:35

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tot Ion	Ion	Ratio	Lower	Upper
59	59	100		
57	57	0.0	8.3	12.5#

Manual Integrations
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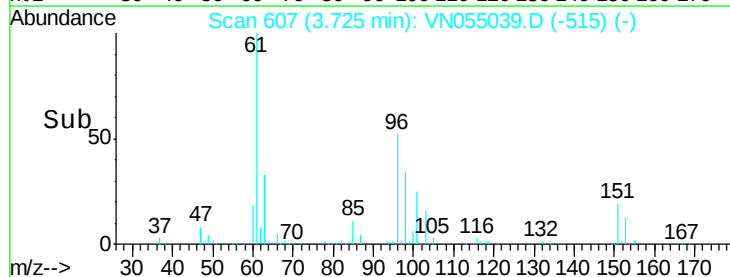
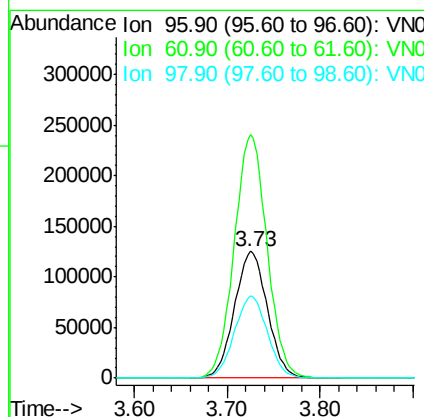
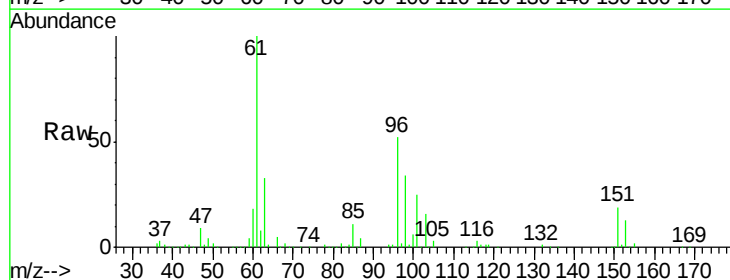
MMDadoda
 4/17/2019 1:49:12 PM

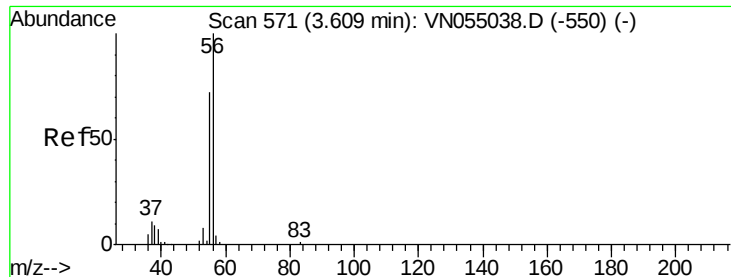


#12

1,1-Dichloroethene
 Concen: 92.891 ug/l
 RT: 3.73 min Scan# 607
 Delta R.T. -0.00 min
 Lab File: VN055039.D
 Acq: 15 Apr 2019 11:35

Tgt Ion	Ion	Ratio	Lower	Upper
96	96	100		
61	61	192.2	154.2	231.4
98	98	64.9	52.9	79.3





#13

Acrolein

Concen: 438.697 ug/l

RT: 3.60 min Scan# 569

Delta R.T. -0.01 min

Lab File: VN055039.D

Acq: 15 Apr 2019 11:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 175991

Ion Ratio Lower Upper

56 100

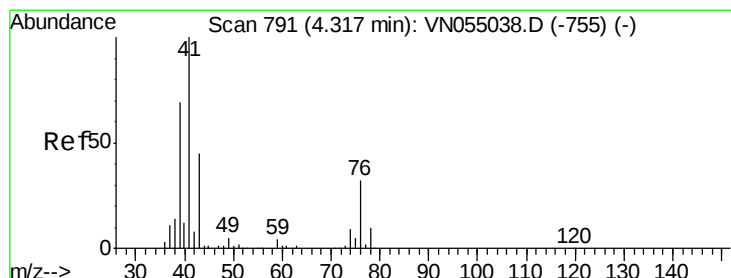
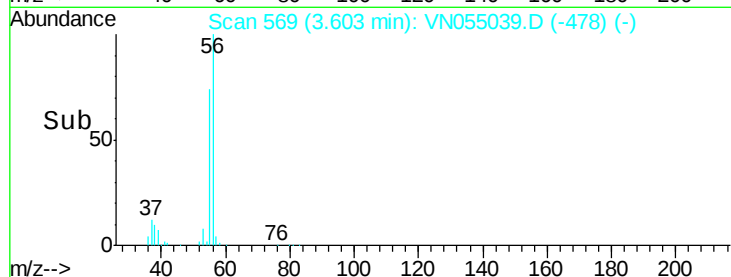
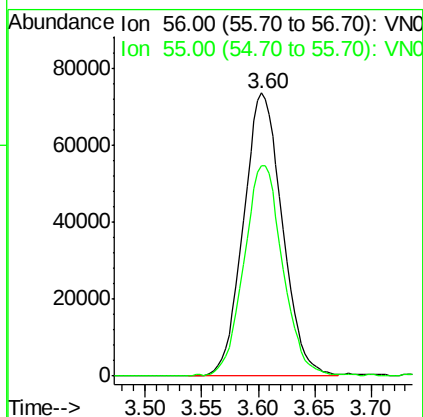
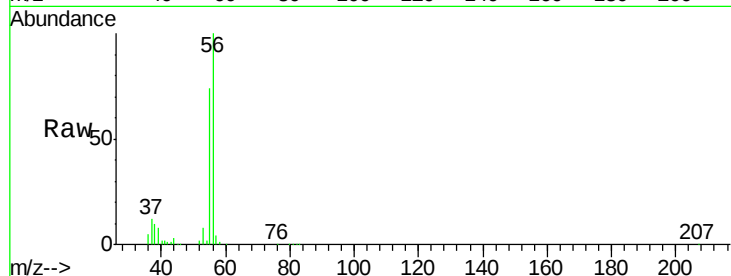
55 73.0 59.5 89.3

Manual Integrations

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#14

Allyl chloride

Concen: 103.003 ug/l

RT: 4.31 min Scan# 790

Delta R.T. -0.00 min

Lab File: VN055039.D

Acq: 15 Apr 2019 11:35

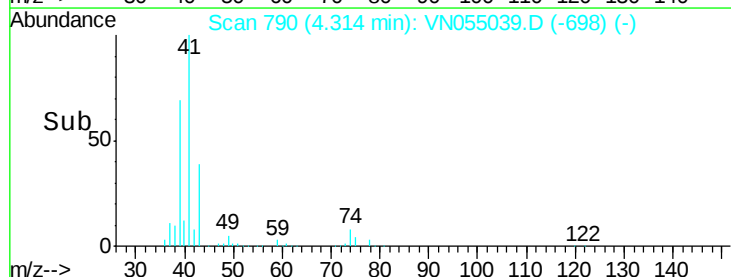
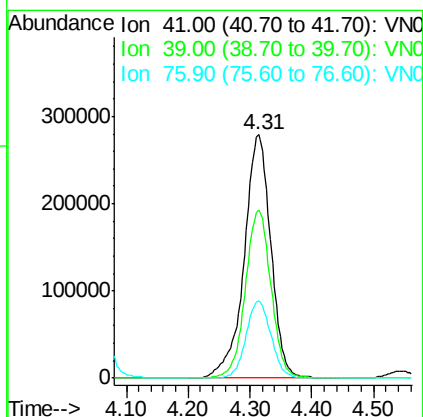
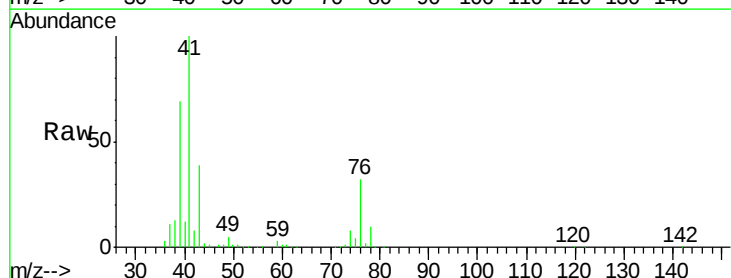
Tgt Ion: 41 Resp: 837458

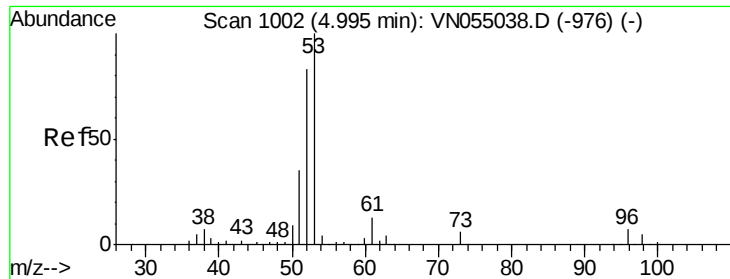
Ion Ratio Lower Upper

41 100

39 65.8 52.7 79.1

76 29.5 23.2 34.8





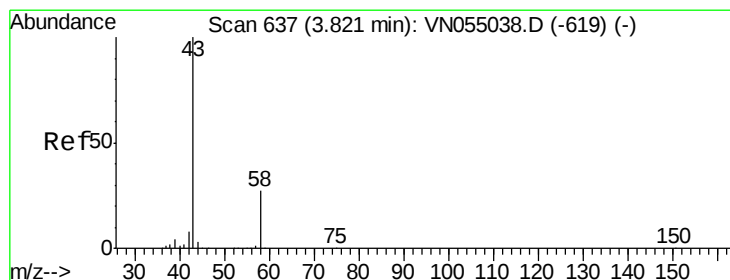
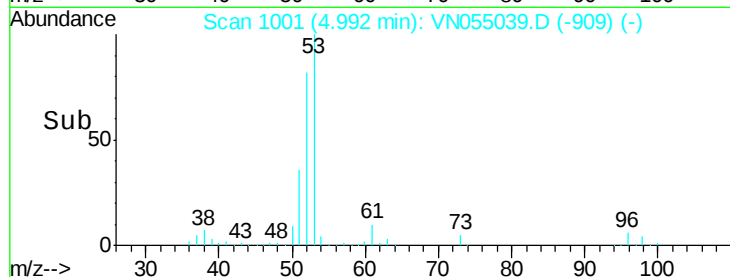
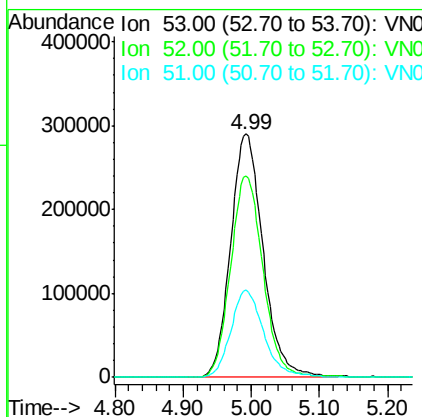
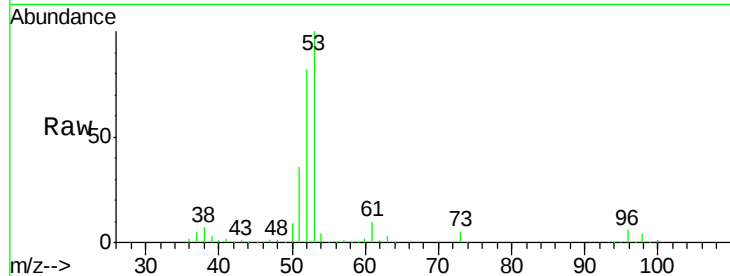
#15
 Acrylonitrile
 Concen: 522.695 ug/l
 RT: 4.99 min Scan# 1001
 Delta R.T. -0.00 min
 Lab File: VN055039.D
 Acq: 15 Apr 2019 11:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
53	100		
52	82.7	65.9	98.9
51	36.5	29.7	44.5

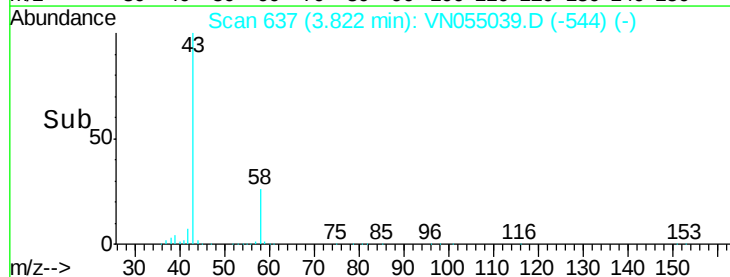
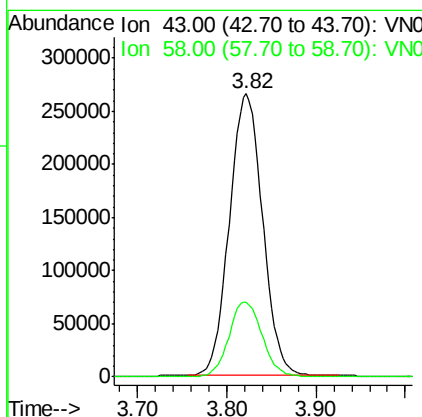
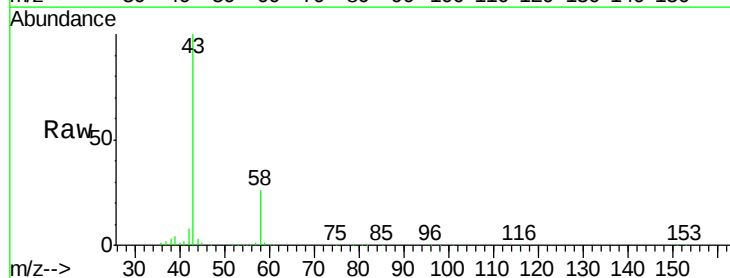
Manual Integrations
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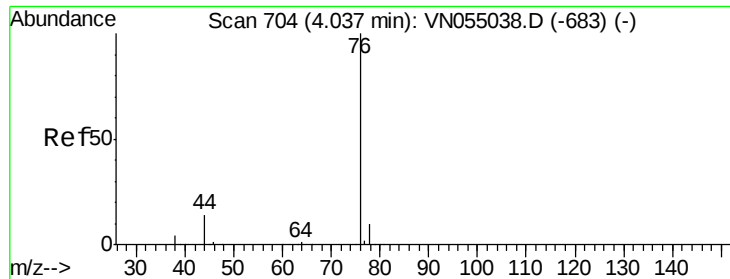
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#16
 Acetone
 Concen: 462.178 ug/l
 RT: 3.82 min Scan# 637
 Delta R.T. 0.00 min
 Lab File: VN055039.D
 Acq: 15 Apr 2019 11:35

Tgt Ion	Ratio	Lower	Upper
43	100		
58	26.4	20.9	31.3





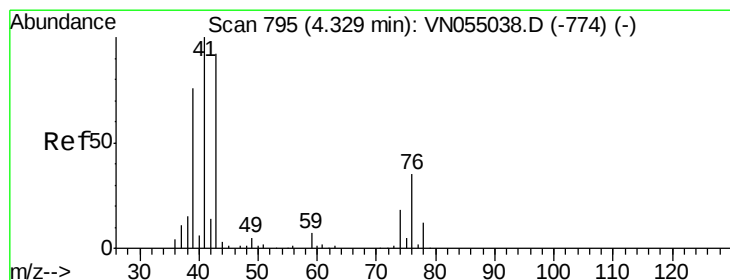
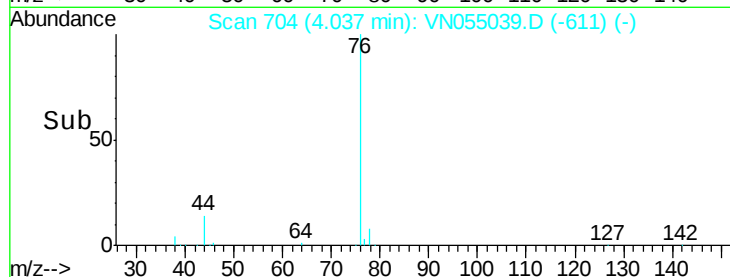
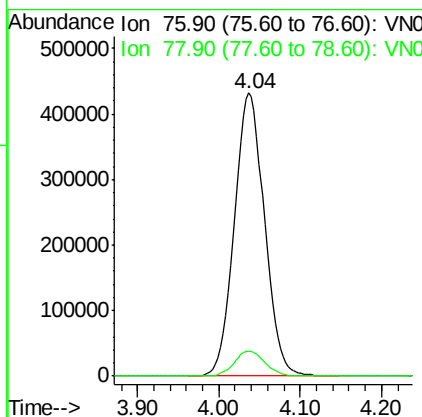
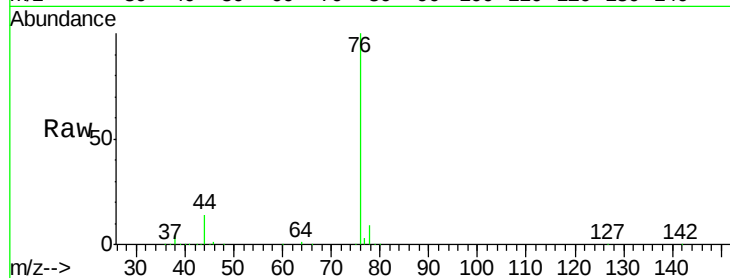
#17
Carbon Disulfide
Concen: 102.301 ug/l
RT: 4.04 min Scan# 704
Delta R.T. 0.00 min
Lab File: VN055039.D
Acq: 15 Apr 2019 11:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 76 Resp: 1108768
Ion Ratio Lower Upper
76 100
78 8.9 7.2 10.8

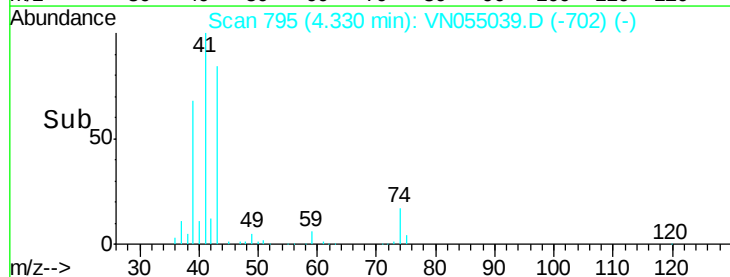
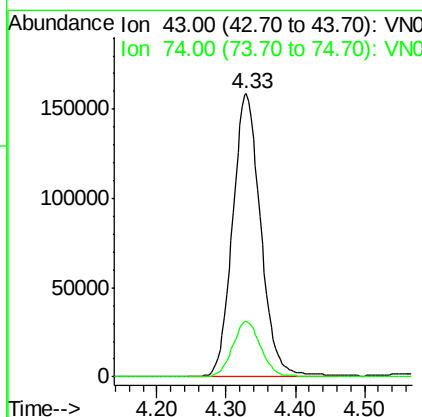
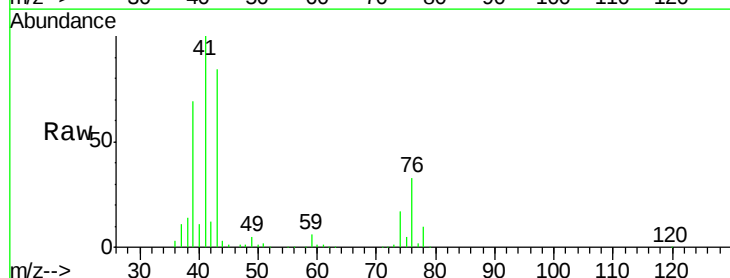
Manual Integrations
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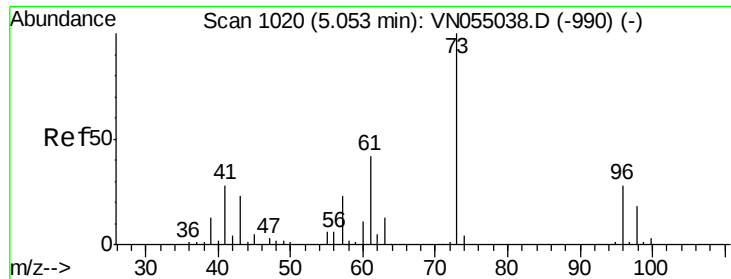
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#18
Methyl Acetate
Concen: 97.145 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN055039.D
Acq: 15 Apr 2019 11:35

Tgt Ion: 43 Resp: 446804
Ion Ratio Lower Upper
43 100
74 19.7 16.1 24.1





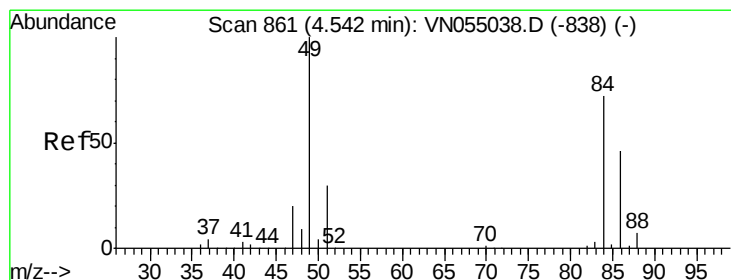
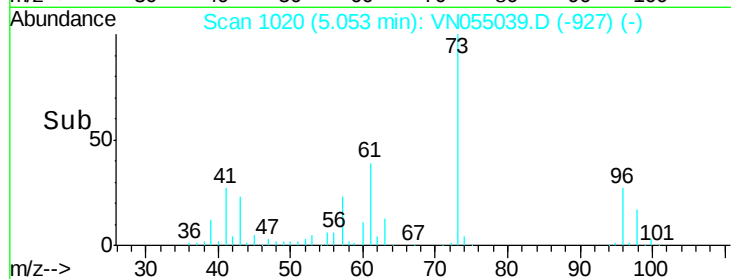
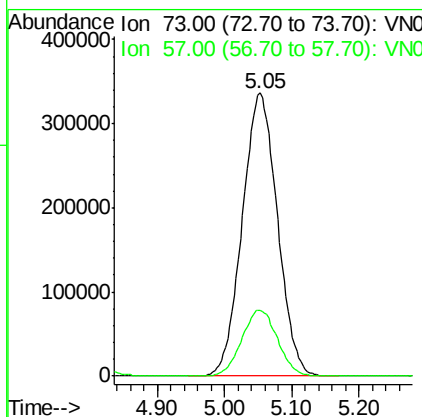
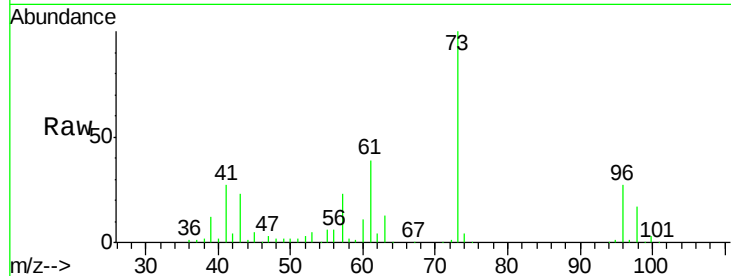
#19
Methvl tert-butvl Ether
Concen: 102.613 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VN055039.D
Acq: 15 Apr 2019 11:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 73 Resp: 1219987
Ion Ratio Lower Upper
73 100
57 23.2 19.0 28.4

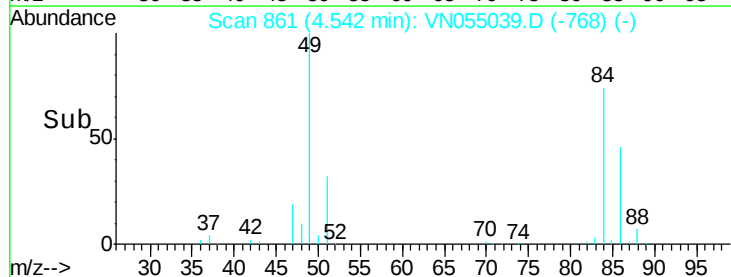
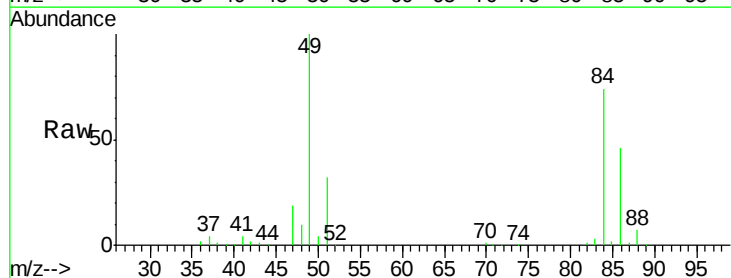
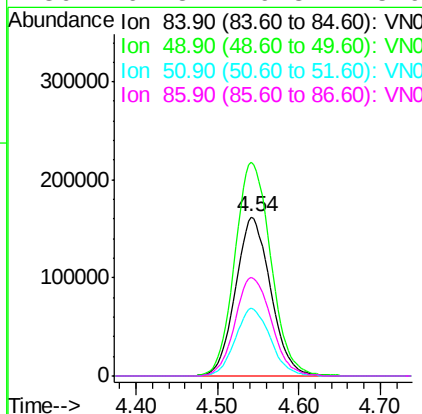
Manual Integrations
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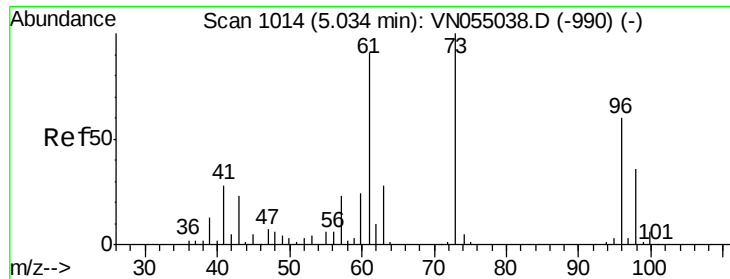
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#20
Methylene Chloride
Concen: 89.084 ug/l
RT: 4.54 min Scan# 861
Delta R.T. 0.00 min
Lab File: VN055039.D
Acq: 15 Apr 2019 11:35

Tgt Ion: 84 Resp: 484358
Ion Ratio Lower Upper
84 100
49 134.6 109.4 164.2
51 42.8 32.2 48.4
86 61.8 49.3 73.9





#21

trans-1,2-Dichloroethene

Concen: 100.498 ug/l

RT: 5.03 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VN055039.D

Acq: 15 Apr 2019 11:35

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion: 96 Resp: 440543

Ion Ratio Lower Upper

96 100

61 148.4 114.9 172.3

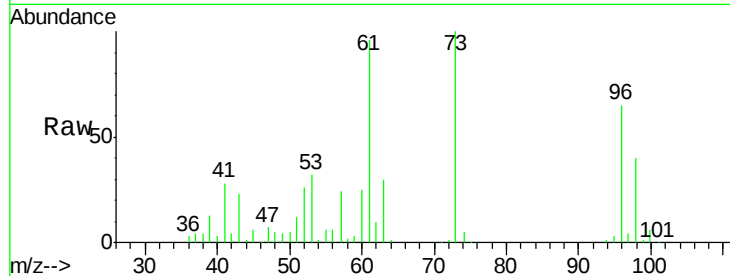
98 62.2 48.4 72.6

Manual Integrations

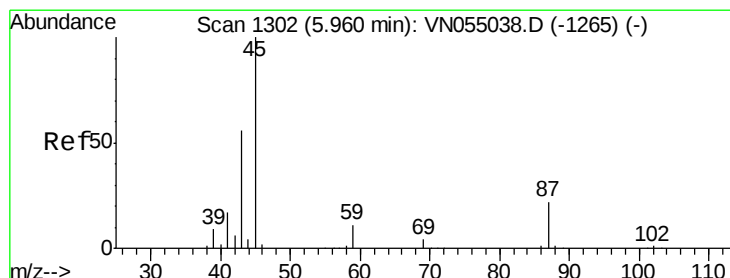
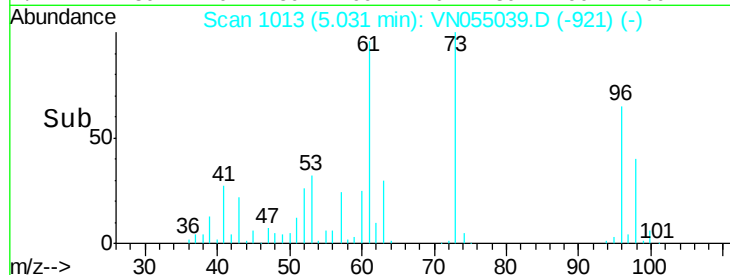
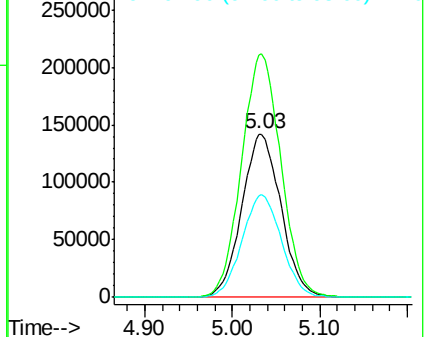
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Abundance Ion 95.90 (95.60 to 96.60): VNC
Ion 60.90 (60.60 to 61.60): VNC
Ion 97.90 (97.60 to 98.60): VNC



#22

Diisopropyl ether

Concen: 103.943 ug/l

RT: 5.96 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VN055039.D

Acq: 15 Apr 2019 11:35

Tgt Ion: 45 Resp: 1713478

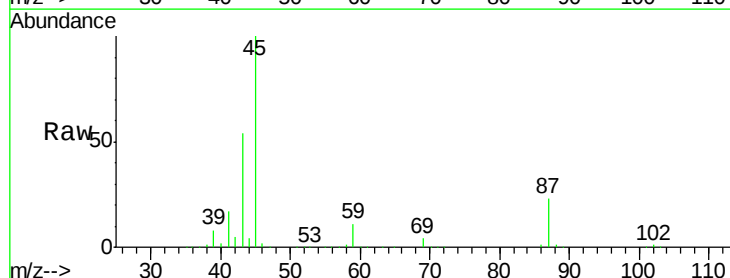
Ion Ratio Lower Upper

45 100

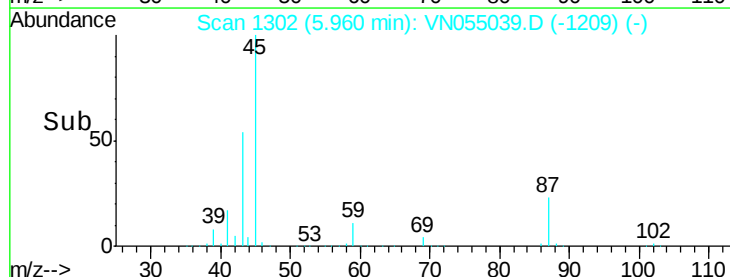
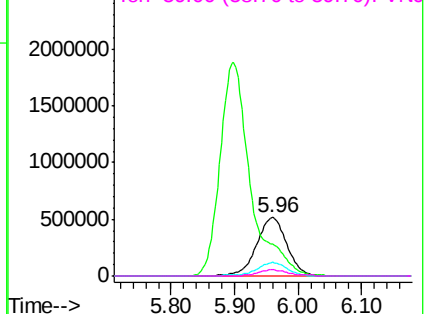
43 53.7 44.8 67.2

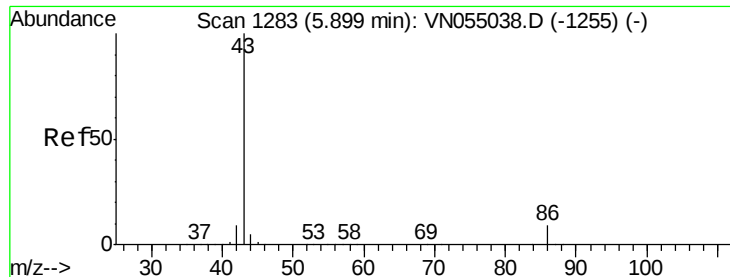
87 23.2 18.9 28.3

59 10.4 7.9 11.9



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





#23

Vinyl Acetate

Concen: 544.555 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN055039.D

Acq: 15 Apr 2019 11:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 6278638

Ion Ratio Lower Upper

43 100

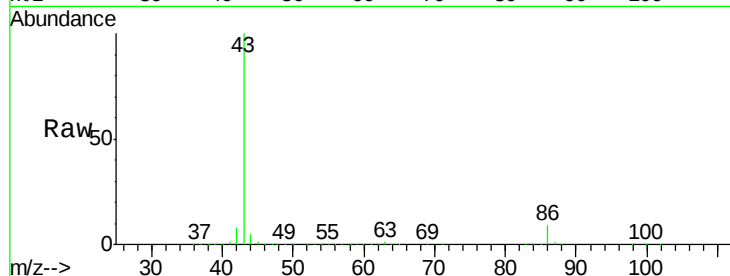
86 8.6 7.0 10.4

Manual Integrations

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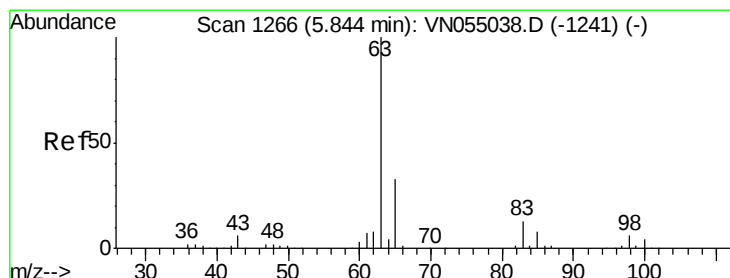
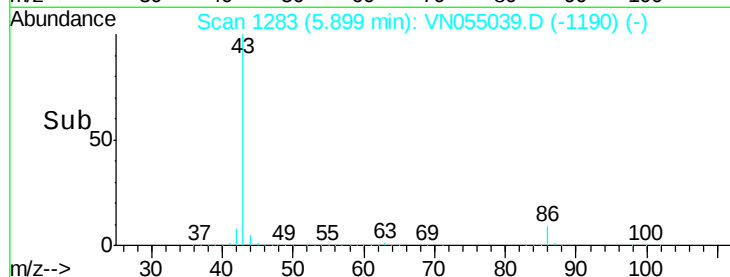
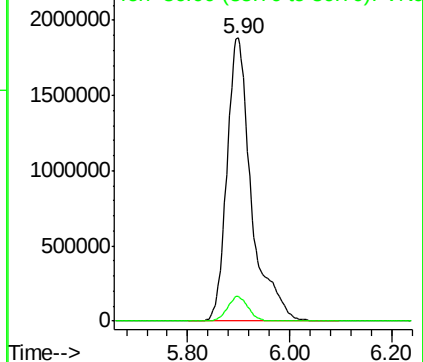
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 98.977 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VN055039.D

Acq: 15 Apr 2019 11:35

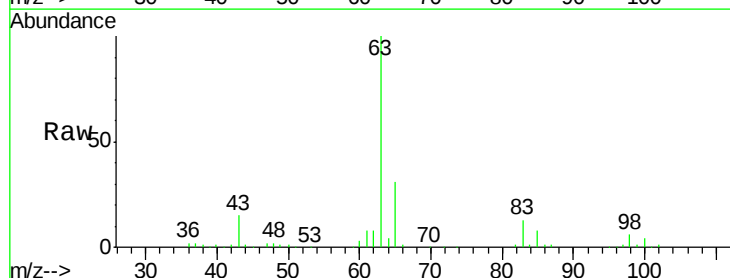
Tgt Ion: 63 Resp: 881215

Ion Ratio Lower Upper

63 100

98 6.2 2.8 8.4

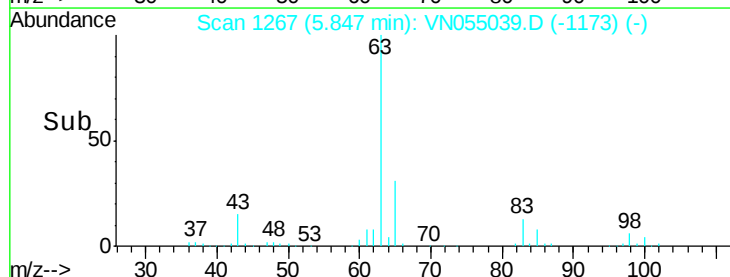
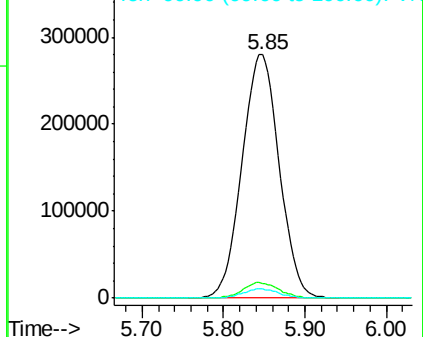
100 3.7 2.0 5.8

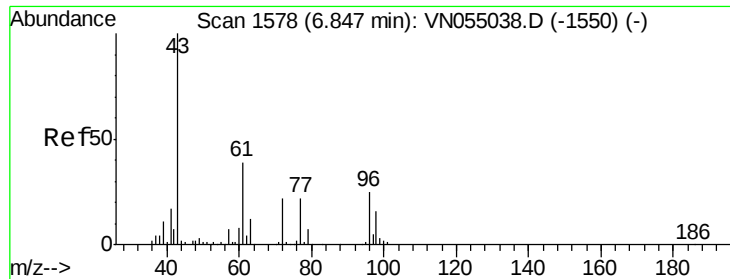


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 532.430 ug/l

RT: 6.85 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VN055039.D

Acq: 15 Apr 2019 11:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 1216704

Ion Ratio Lower Upper

43 100

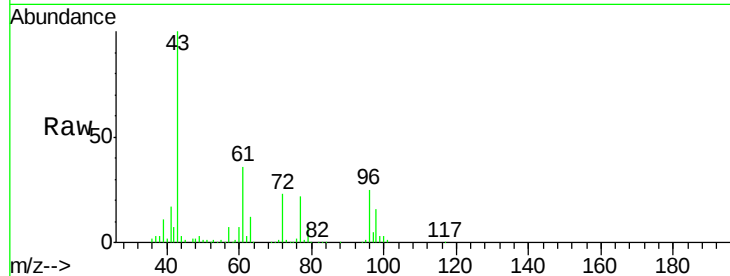
72 22.9 18.1 27.1

Manual Integrations

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MMDadoda

4/17/2019 1:49:12 PM



Abundance Ion 43.00 (42.70 to 43.70): VN055039.D (-1485) (-)

Ion 72.00 (71.70 to 72.70): VN055039.D (-1485) (-)

500000

400000

300000

200000

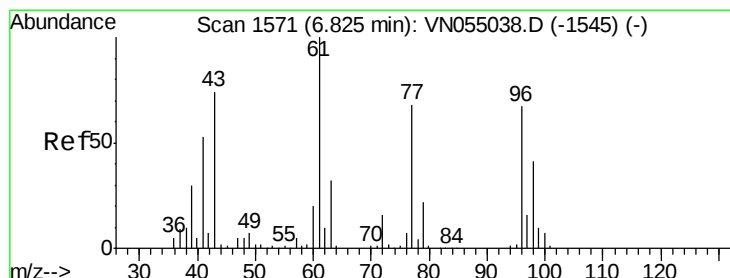
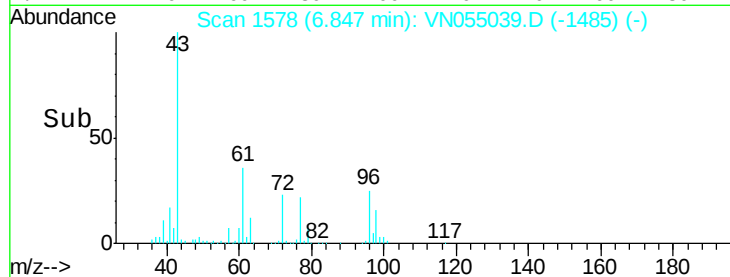
100000

0

6.70 6.80 6.90

6.85

Time-->



#26

2,2-Dichloropropane

Concen: 101.193 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN055039.D

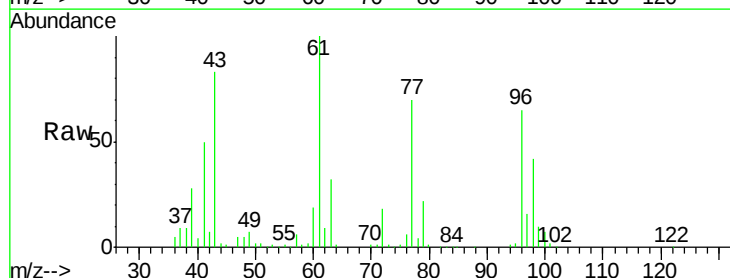
Acq: 15 Apr 2019 11:35

Tgt Ion: 77 Resp: 596055

Ion Ratio Lower Upper

77 100

97 23.1 11.3 33.9



Abundance Ion 76.90 (76.60 to 77.60): VN055039.D (-1478) (-)

Ion 96.90 (96.60 to 97.60): VN055039.D (-1478) (-)

200000

150000

100000

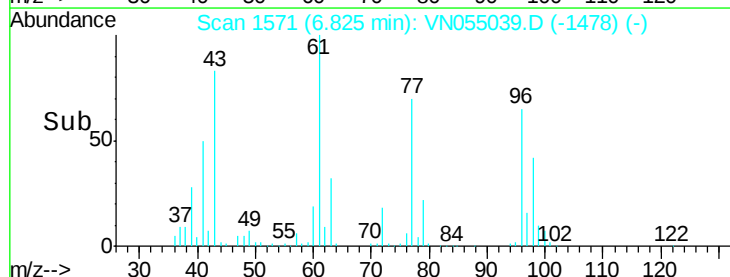
50000

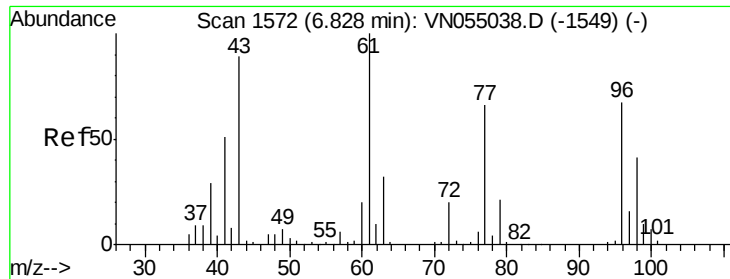
0

6.70 6.80 6.90

6.82

Time-->





#27

cis-1,2-Dichloroethene

Concen: 101.370 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN055039.D

Acq: 15 Apr 2019 11:35

Instrument :

MSVOA_N

ClientSampleId :

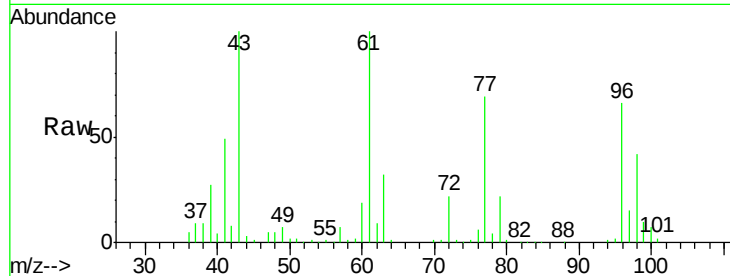
VSTDIC100

Tot Ion: 96 Resp: 516223

Ion	Ratio	Lower	Upper
96	100		
61	153.9	0.0	311.0
98	63.9	0.0	127.4

Manual Integrations
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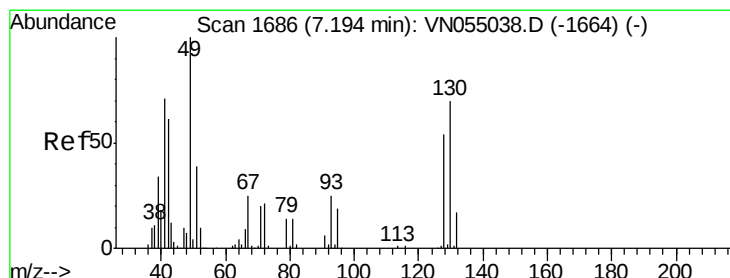
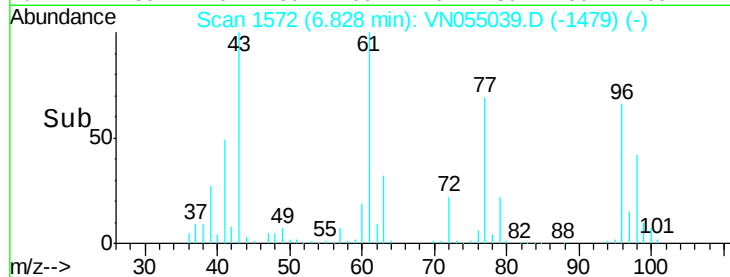
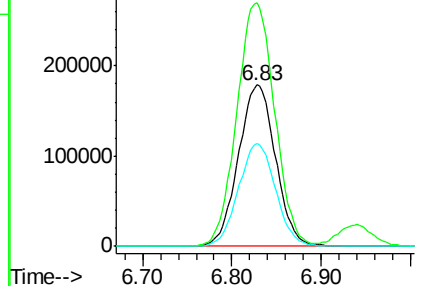
MMDadoda
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Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 98.948 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN055039.D

Acq: 15 Apr 2019 11:35

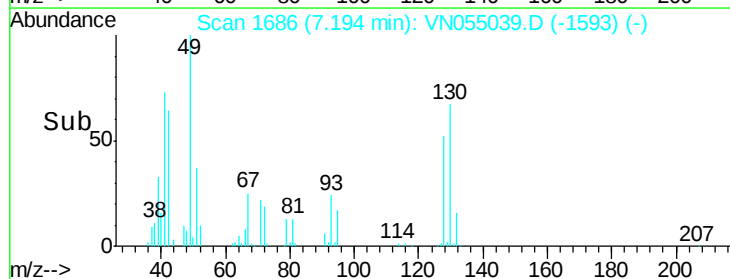
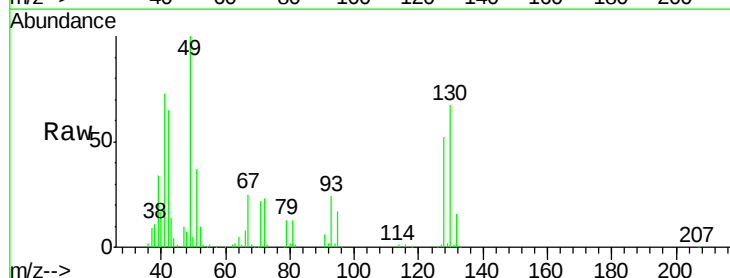
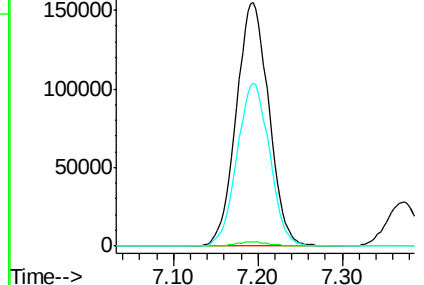
Tgt Ion: 49 Resp: 417974

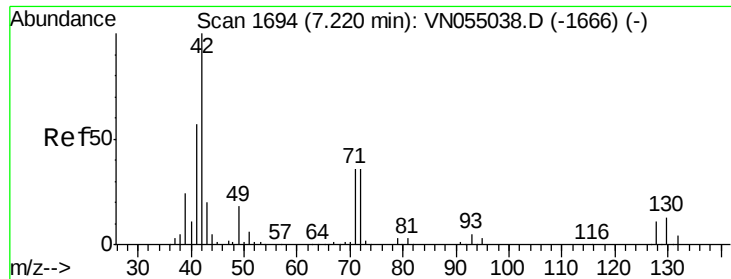
Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	2.0
130	66.7	53.4	80.2

Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





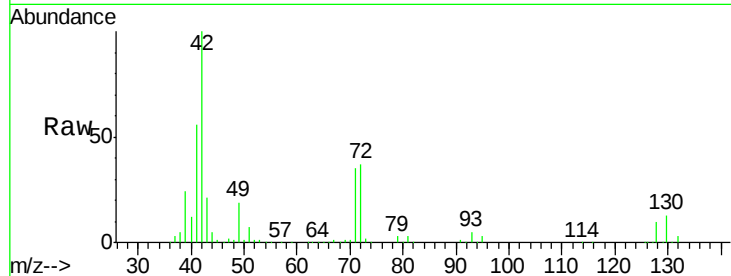
#29
Tetrahydrofuran
Concen: 514.926 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.00 min
Lab File: VN055039.D
Acq: 15 Apr 2019 11:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

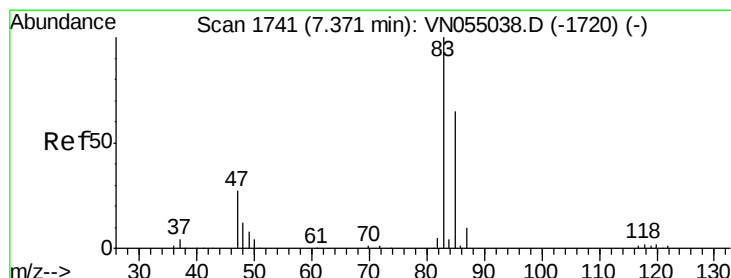
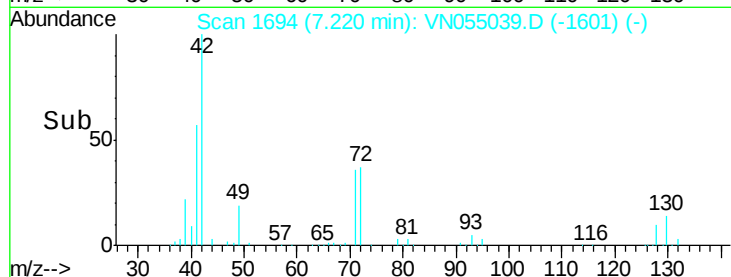
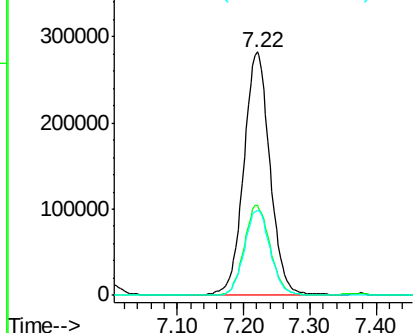
Tot Ion	Ratio	Lower	Upper
42	100		
72	36.7	29.4	44.0
71	34.8	27.8	41.6

Manual Integrations
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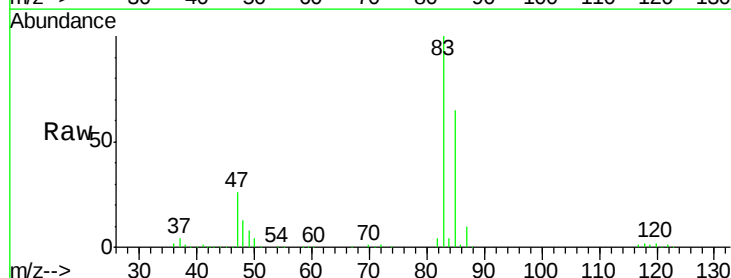


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

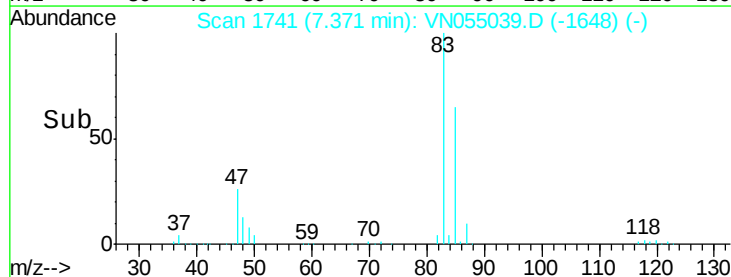
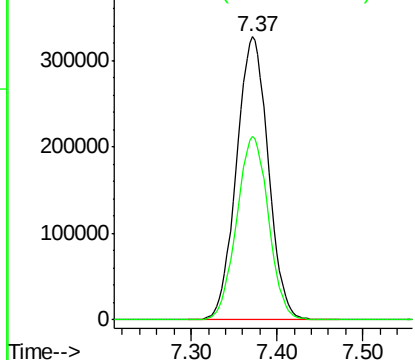


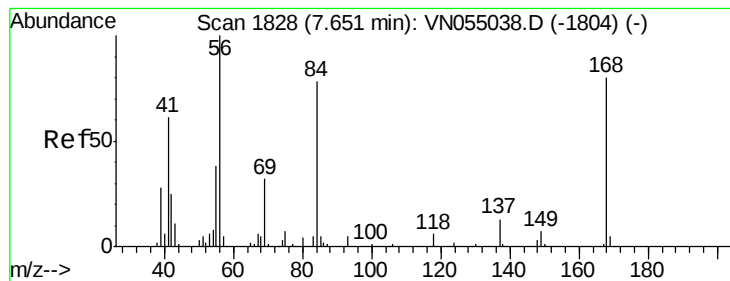
#30
Chloroform
Concen: 98.996 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN055039.D
Acq: 15 Apr 2019 11:35

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.9	51.8	77.6



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 81.478 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VN055039.D

Acq: 15 Apr 2019 11:35

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion: 56 Resp: 798278

Ion Ratio Lower Upper

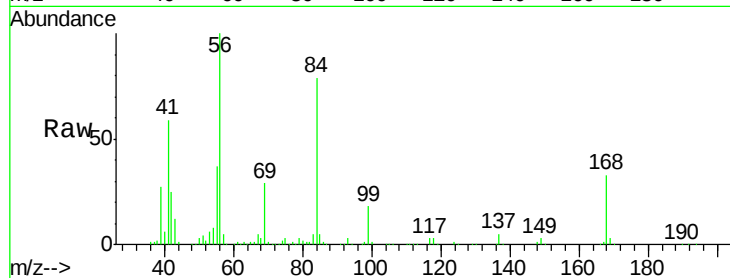
56 100

69 29.4 24.5 36.7

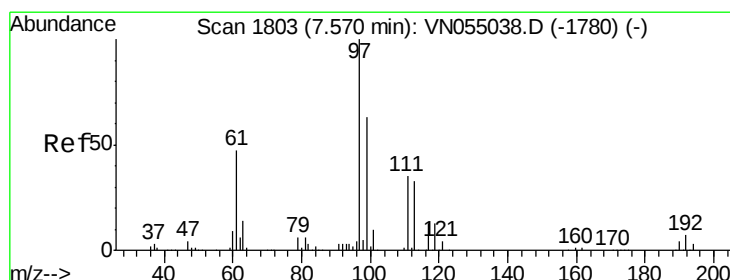
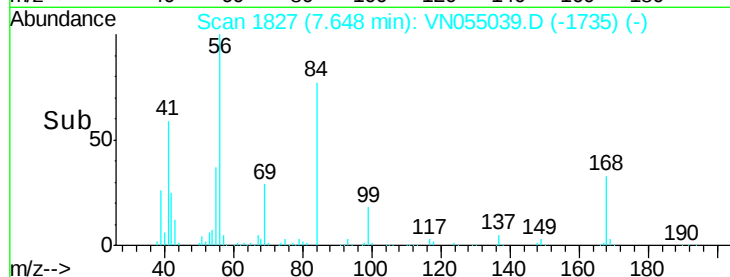
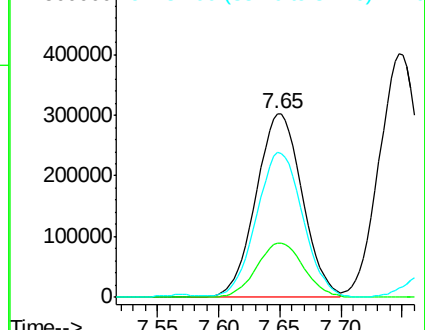
84 77.8 62.9 94.3

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



#32

1,1,1-Trichloroethane

Concen: 102.406 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VN055039.D

Acq: 15 Apr 2019 11:35

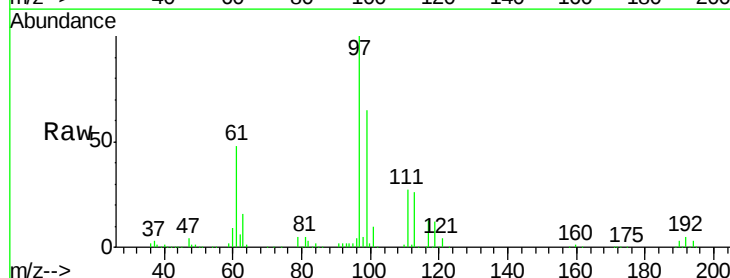
Tgt Ion: 97 Resp: 692632

Ion Ratio Lower Upper

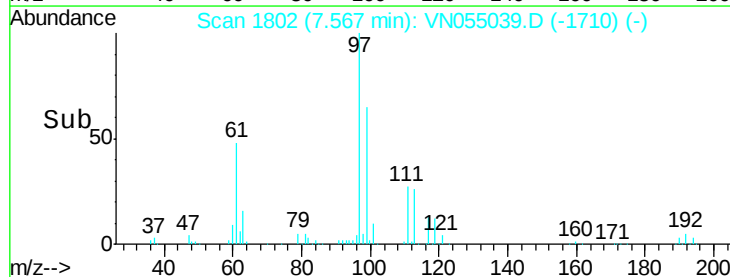
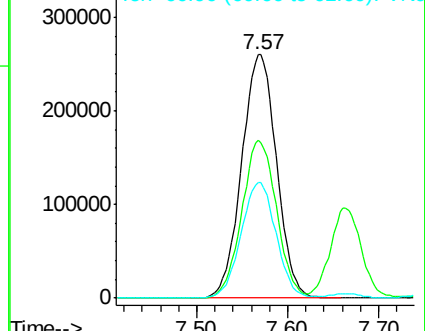
97 100

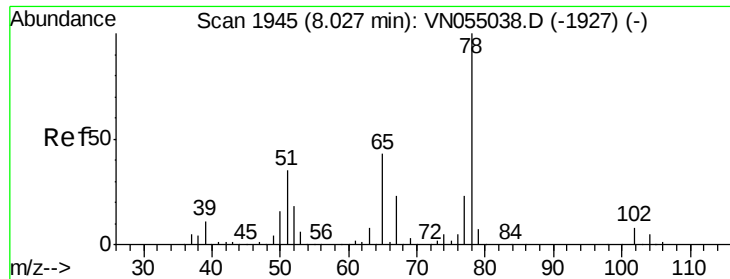
99 64.4 51.6 77.4

61 47.7 38.3 57.5



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





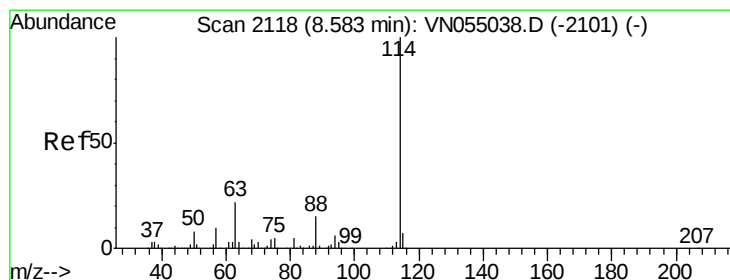
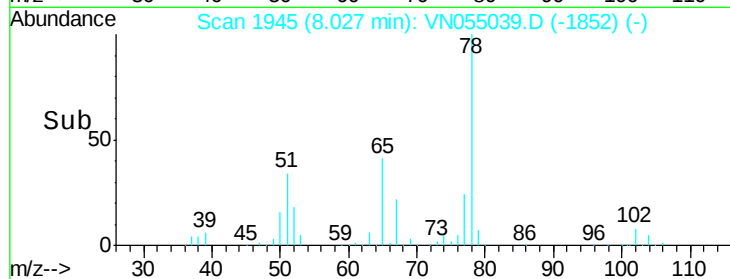
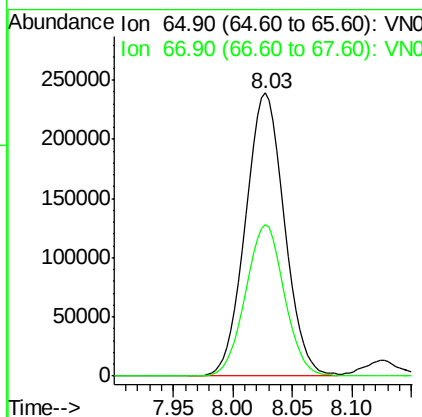
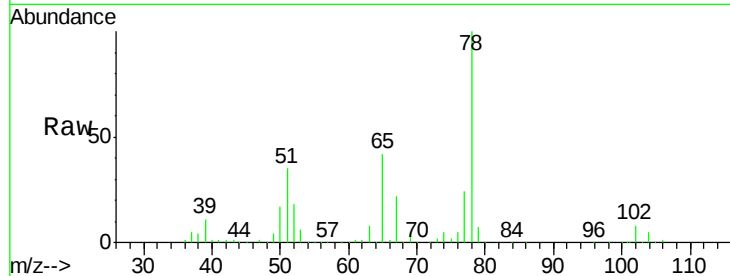
#33
 1,2-Dichloroethane-d4
 Concen: 100.706 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055039.D
 Acq: 15 Apr 2019 11:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
65	100	543920		
67	53.3	0.0	106.4	

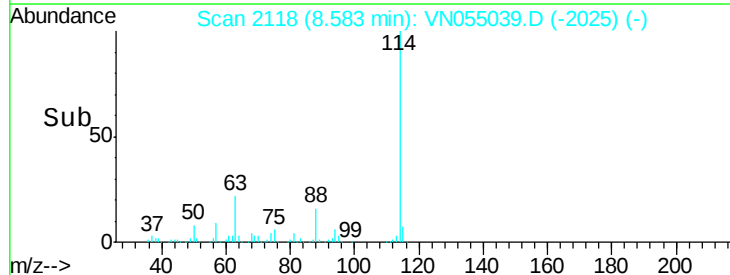
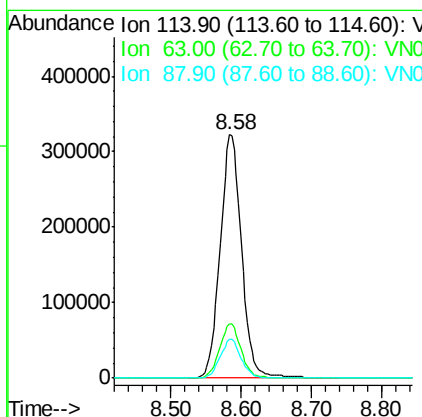
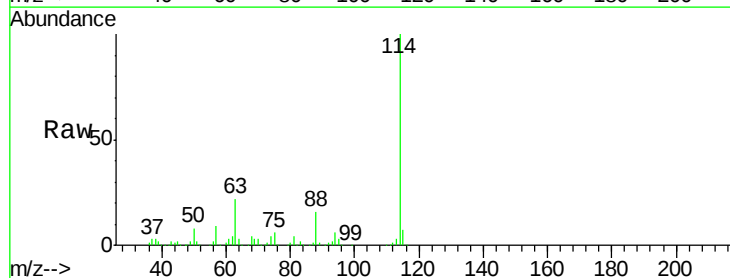
Manual Integrations
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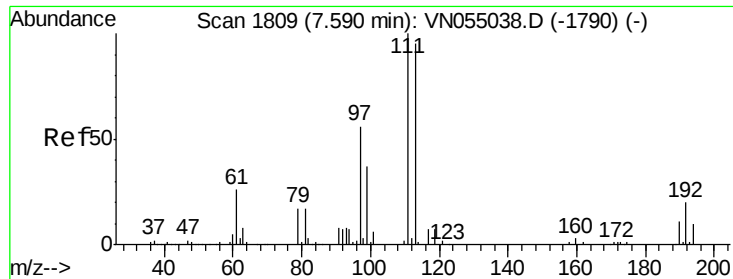
MMDadoda
 4/17/2019 1:49:12 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN055039.D
 Acq: 15 Apr 2019 11:35

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	683214		
63	22.3	0.0	45.2	
88	15.9	0.0	31.8	





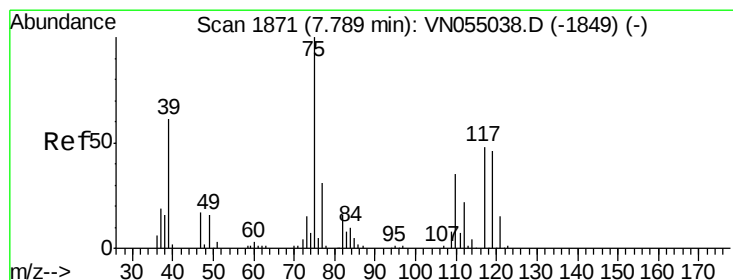
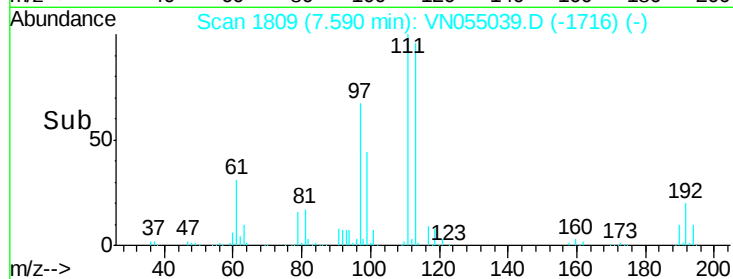
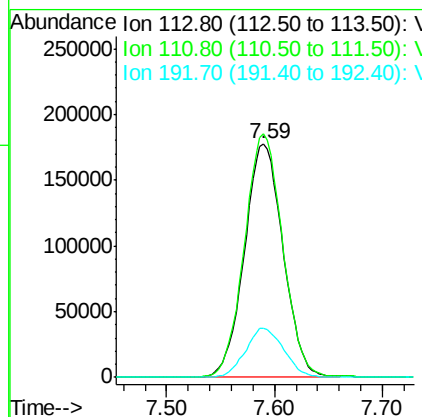
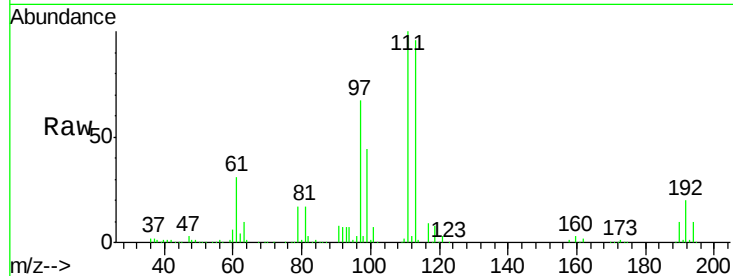
#35
 Dibromofluoromethane
 Concen: 101.482 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN055039.D
 Acq: 15 Apr 2019 11:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	103.4	82.1	123.1	
192	20.9	16.5	24.7	

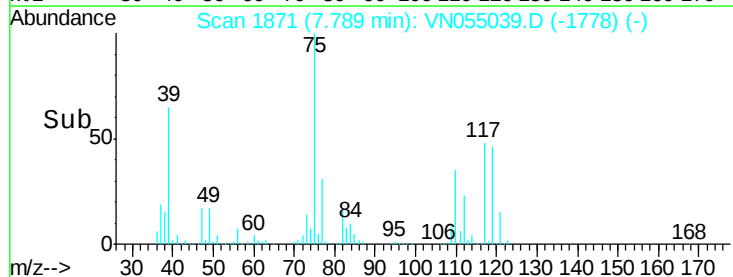
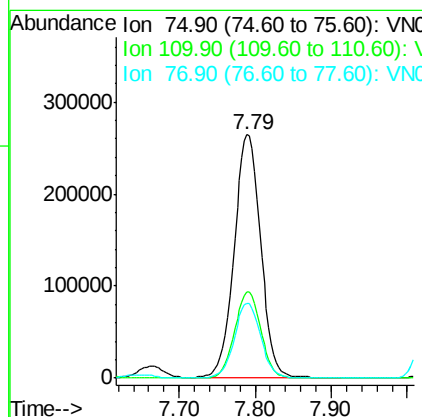
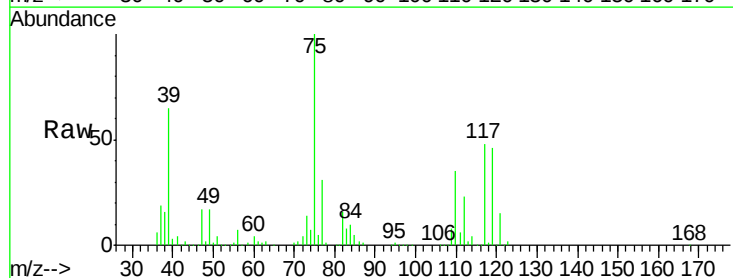
Manual Integrations
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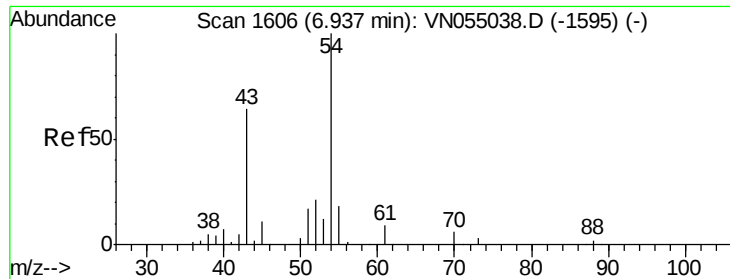
MMDadoda
 4/17/2019 1:49:12 PM



#36
 1,1-Dichloropropene
 Concen: 101.360 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN055039.D
 Acq: 15 Apr 2019 11:35

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	35.1	17.5	52.5	
77	31.0	24.9	37.3	





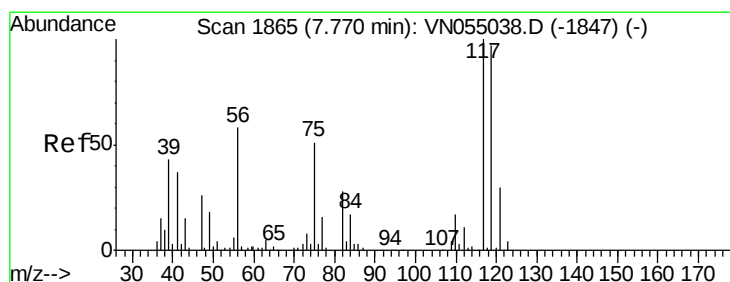
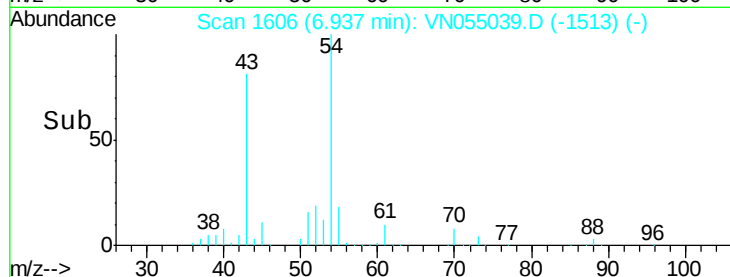
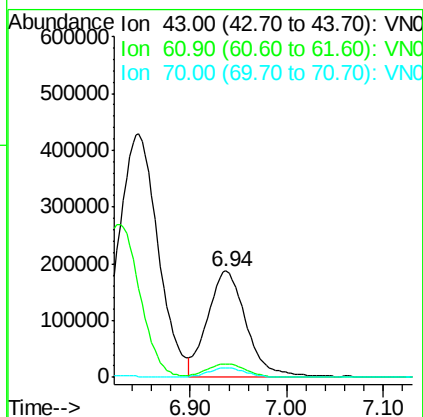
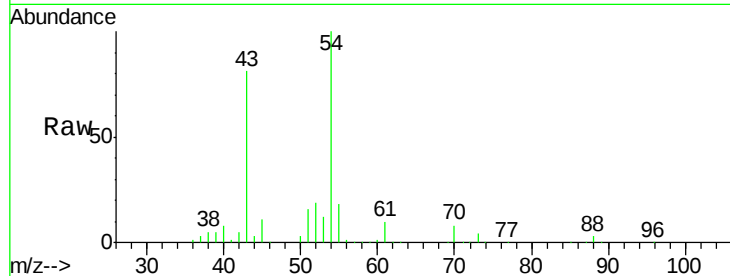
#37
Ethyl Acetate
Concen: 108.391 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. 0.00 min
Lab File: VN055039.D
Acq: 15 Apr 2019 11:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.8	10.0	15.0
70	8.5	7.1	10.7

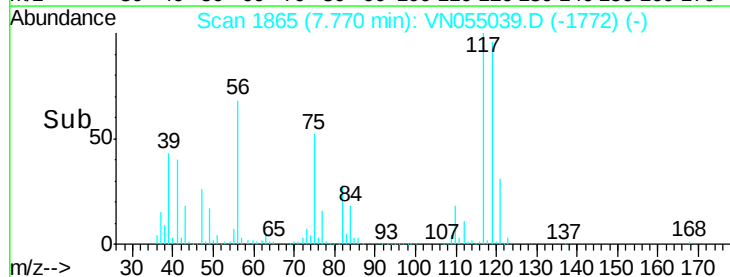
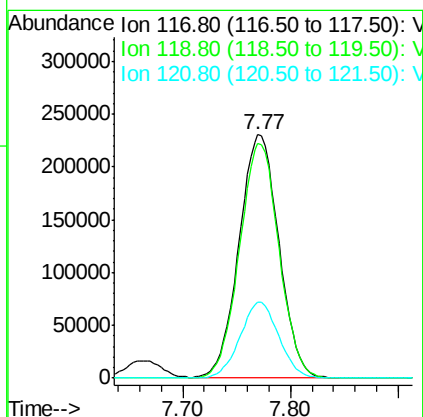
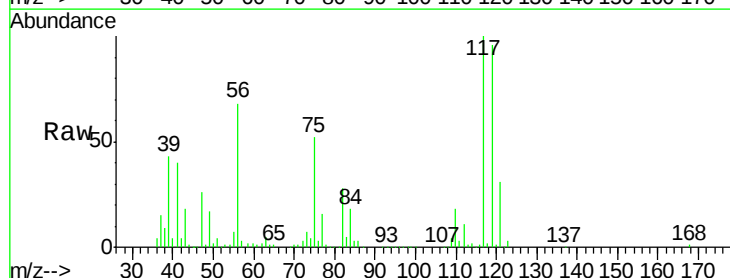
Manual Integrations
APPROVED

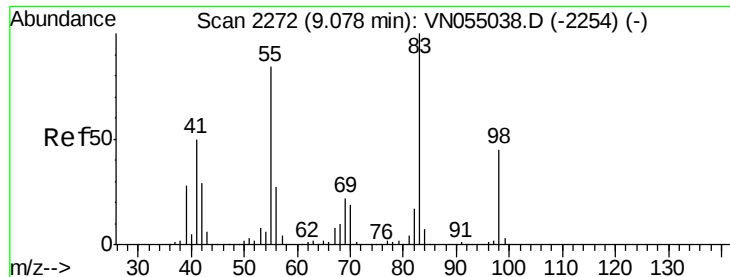
MMDadoda
4/17/2019 1:49:12 PM



#38
Carbon Tetrachloride
Concen: 99.338 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN055039.D
Acq: 15 Apr 2019 11:35

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.5	76.3	114.5
121	31.4	23.9	35.9





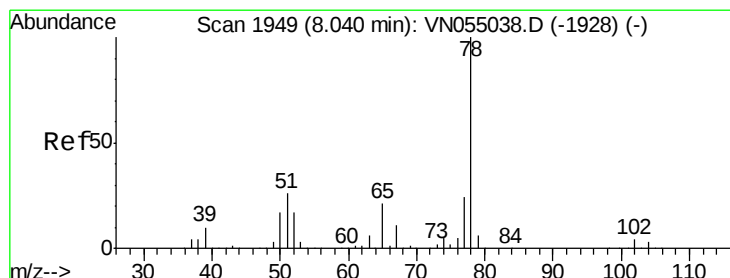
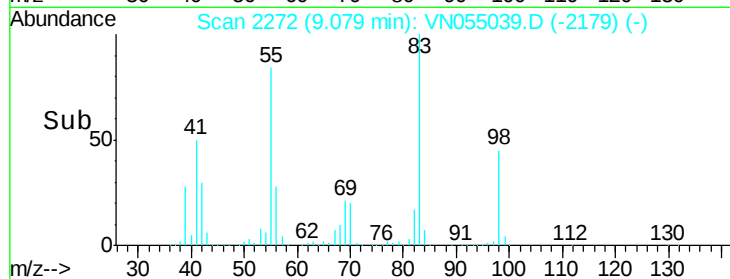
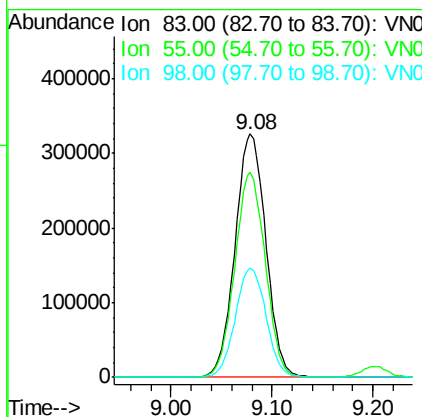
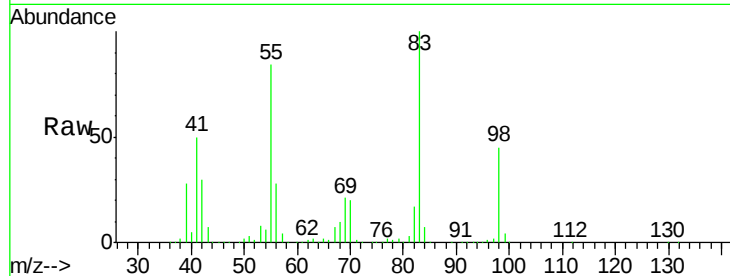
#39
Methvlcvclohexane
Concen: 95.620 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN055039.D
Acq: 15 Apr 2019 11:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
83	100		
55	84.3	67.0	100.4
98	44.9	35.6	53.4

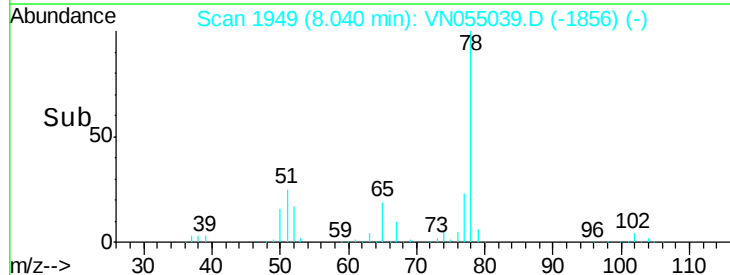
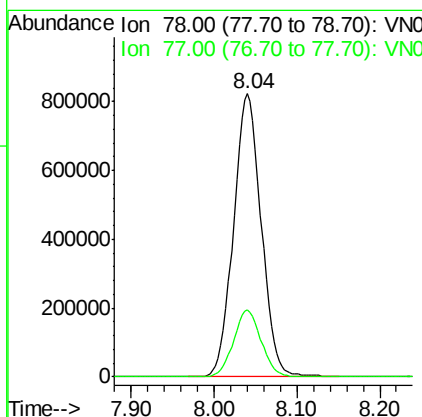
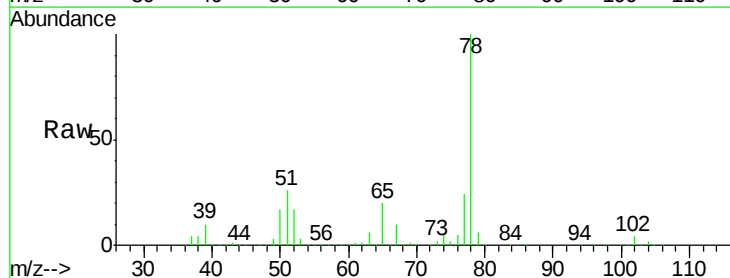
Manual Integrations
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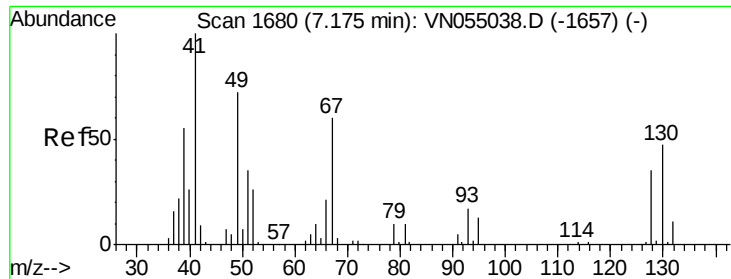
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#40
Benzene
Concen: 100.347 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN055039.D
Acq: 15 Apr 2019 11:35

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.8	28.2





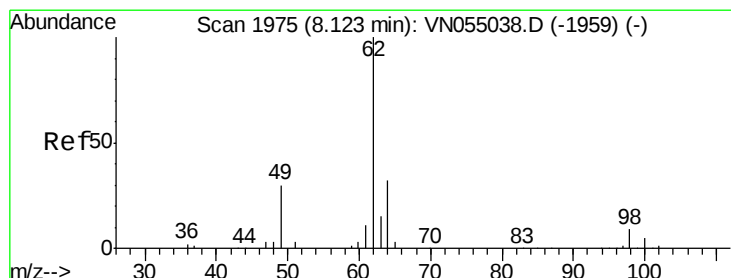
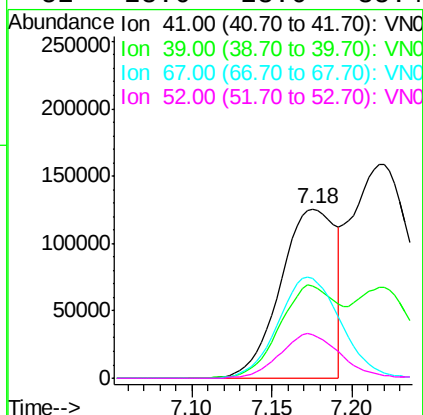
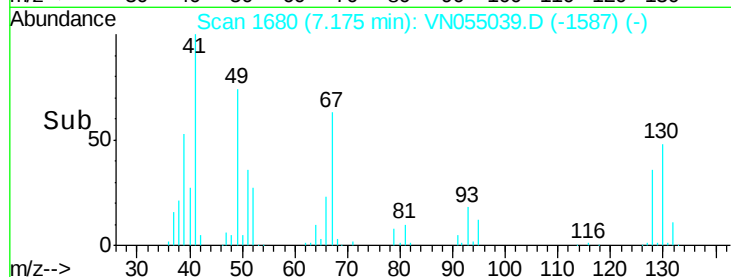
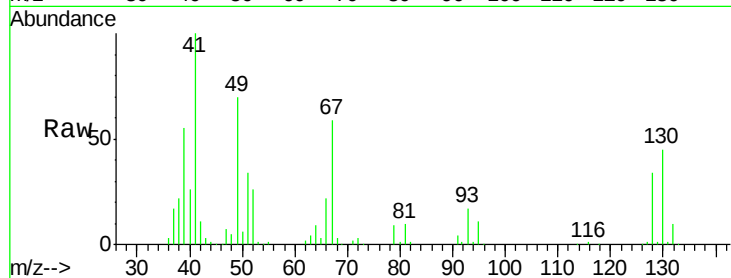
#41
Methacrylonitrile
Concen: 103.193 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN055039.D
Acq: 15 Apr 2019 11:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		300990		
39	57.0	45.6	68.4		
67	68.5	57.0	85.6		
52	28.6	23.6	35.4		

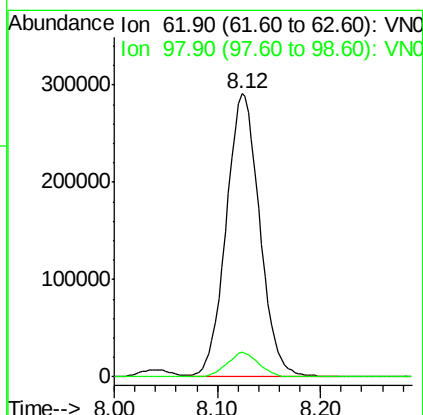
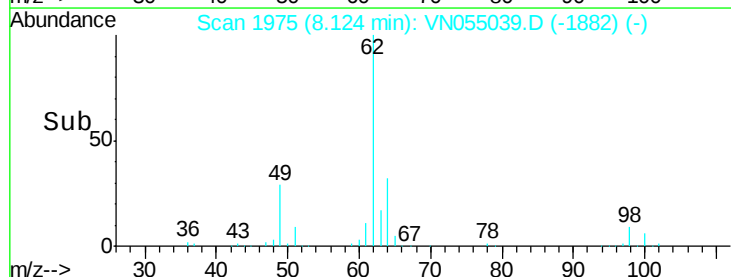
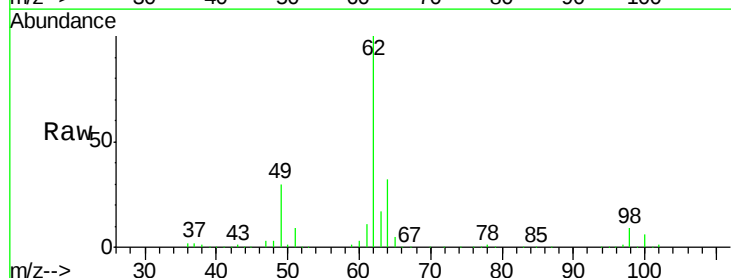
Manual Integrations
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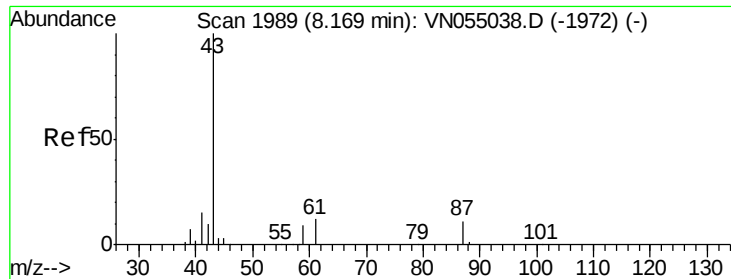
MMDadoda
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#42
1,2-Dichloroethane
Concen: 97.667 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN055039.D
Acq: 15 Apr 2019 11:35

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		655889		
98	8.4	0.0	17.4		





#43

Isopropyl Acetate

Concen: 108.576 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN055039.D

Acq: 15 Apr 2019 11:35

Instrument :

MSVOA_N

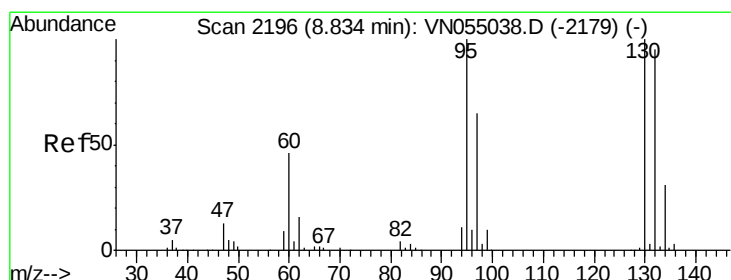
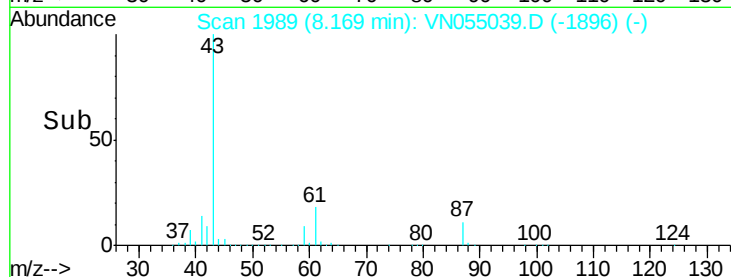
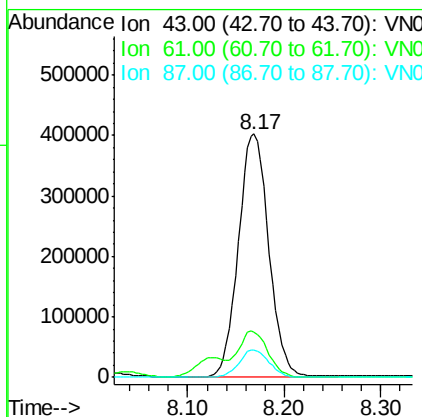
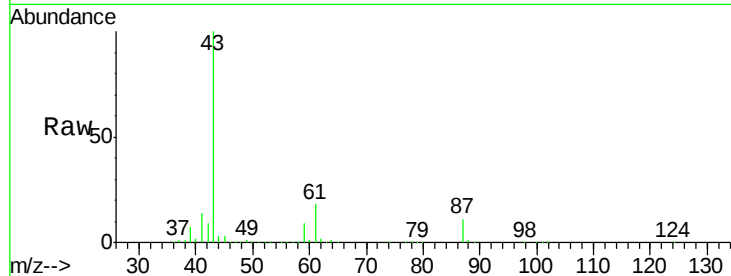
ClientSampleId :

VSTDIC100

Tot Ion:	43	Resp:	880053
Ion	Ratio	Lower	Upper
43	100		
61	18.2	14.3	21.5
87	11.1	8.6	13.0

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#44

Trichloroethene

Concen: 100.144 ug/l

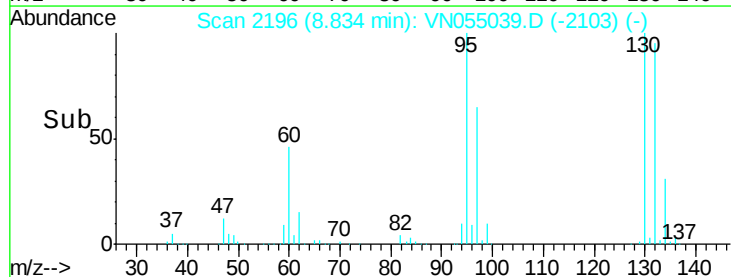
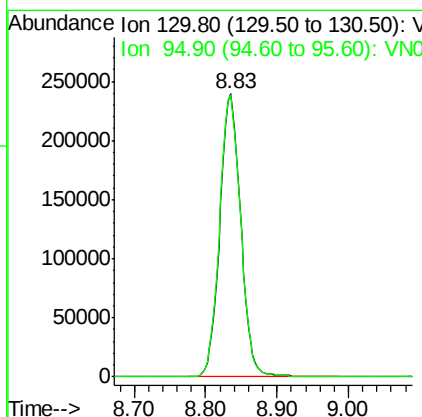
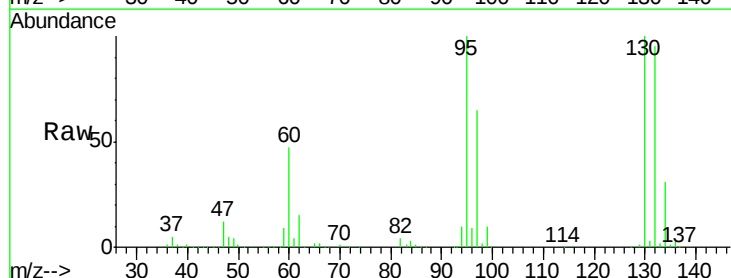
RT: 8.83 min Scan# 2196

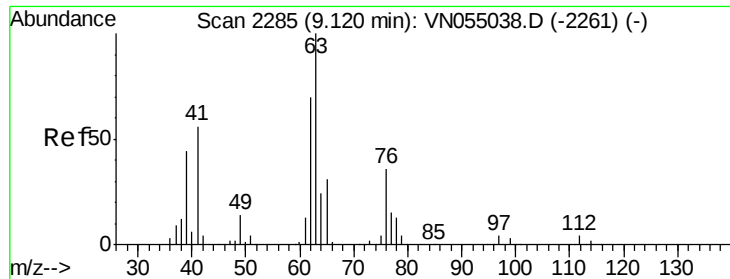
Delta R.T. 0.00 min

Lab File: VN055039.D

Acq: 15 Apr 2019 11:35

Tgt Ion:	130	Resp:	488568
Ion	Ratio	Lower	Upper
130	100		
95	99.8	0.0	201.6





#45

1,2-Dichloropropane

Concen: 99.965 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN055039.D

Acq: 15 Apr 2019 11:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 63 Resp: 538530

Ion Ratio Lower Upper

63 100

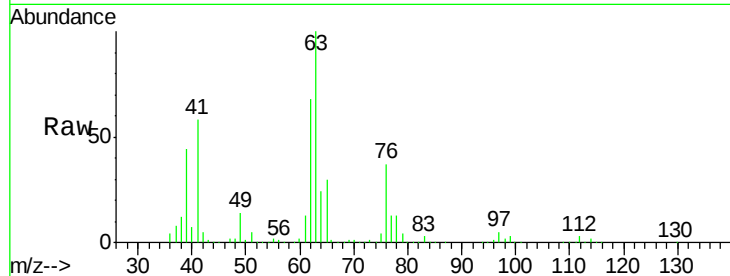
65 30.5 24.4 36.6

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Abundance Ion 62.90 (62.60 to 63.60): VN055038.D (-2261) (-)

Ion 64.90 (64.60 to 65.60): VN055038.D (-2261) (-)

9.12

250000

200000

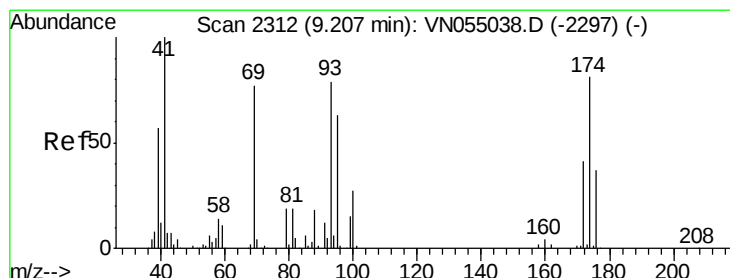
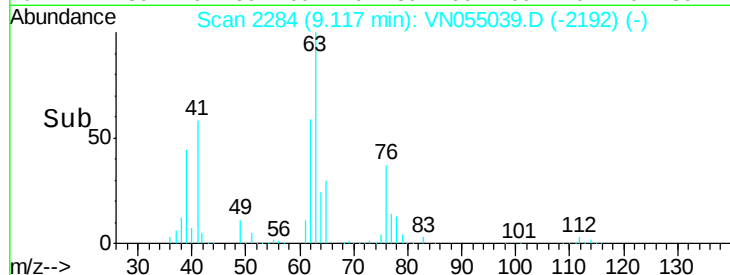
150000

100000

50000

0

Time-->



#46

Dibromomethane

Concen: 99.551 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN055039.D

Acq: 15 Apr 2019 11:35

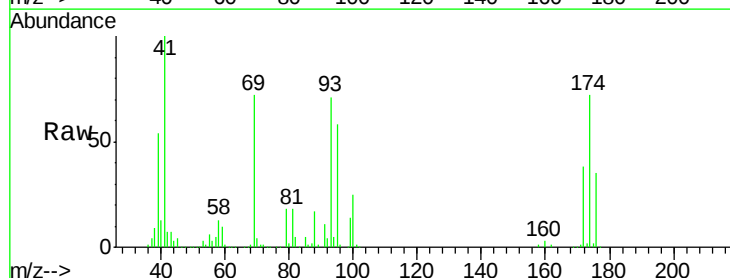
Tgt Ion: 93 Resp: 307299

Ion Ratio Lower Upper

93 100

95 83.1 65.0 97.6

174 103.2 81.0 121.6



Abundance Ion 92.80 (92.50 to 93.50): VN055038.D (-2297) (-)

Ion 94.80 (94.50 to 95.50): VN055038.D (-2297) (-)

Ion 173.70 (173.40 to 174.40): VN055038.D (-2297) (-)

9.21

200000

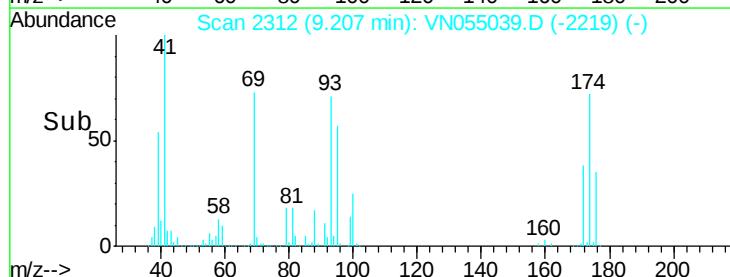
150000

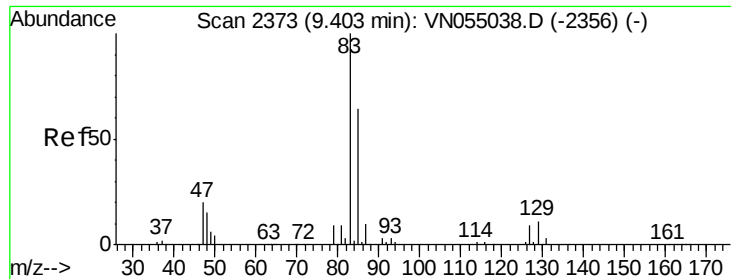
100000

50000

0

Time-->





#47

Bromodichloromethane

Concen: 103.533 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055039.D

Acq: 15 Apr 2019 11:35

Instrument :

MSVOA_N

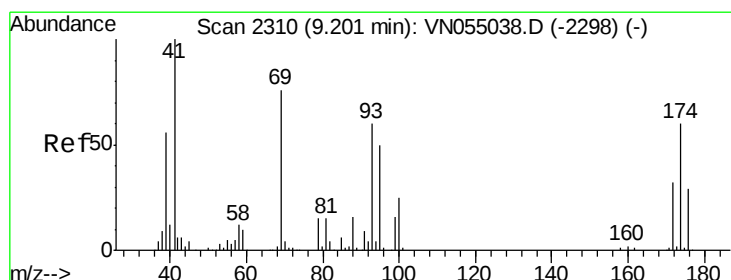
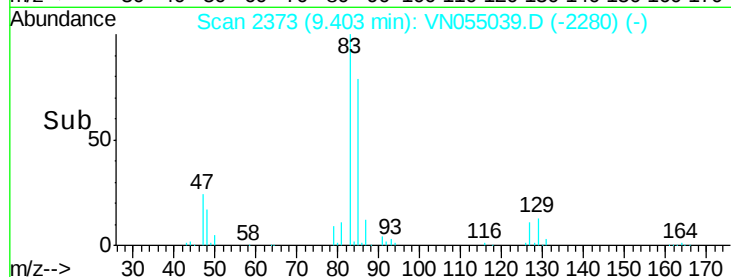
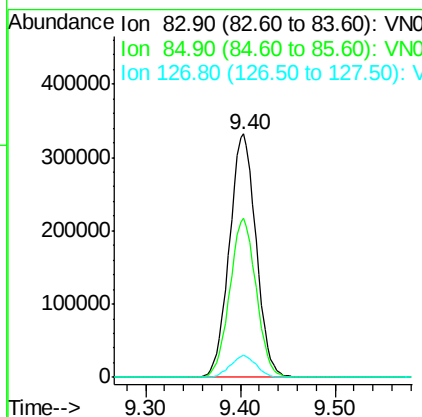
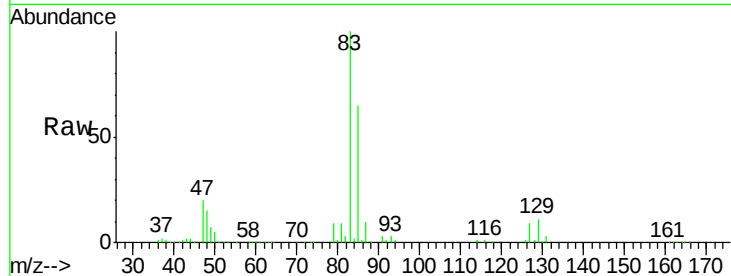
ClientSampleId :

VSTDICC100

Tot Ion:	83	Resp:	649911
Ion Ratio	Lower	Upper	
83	100		
85	65.3	51.2	76.8
127	8.9	6.8	10.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 107.515 ug/l

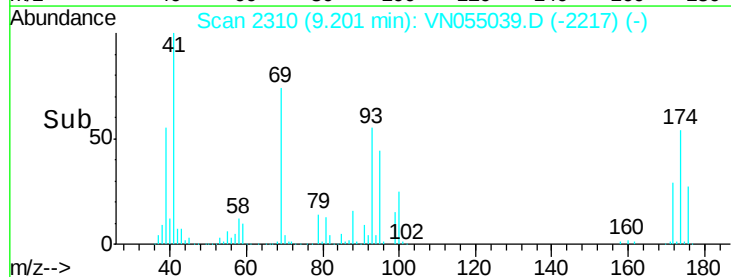
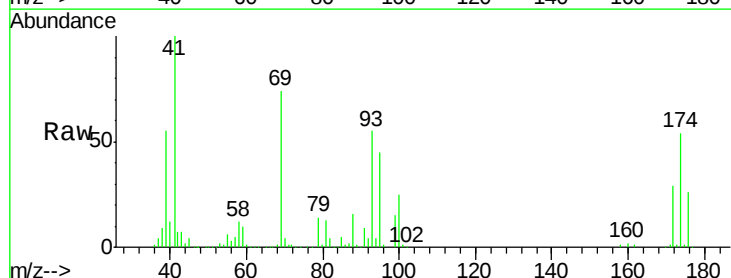
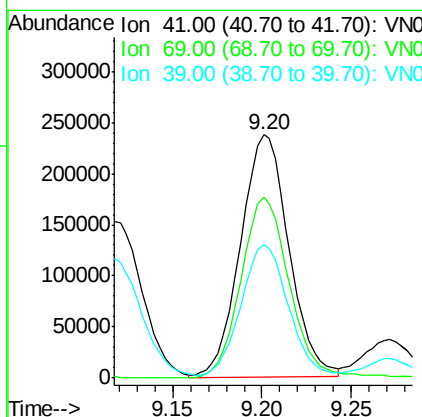
RT: 9.20 min Scan# 2310

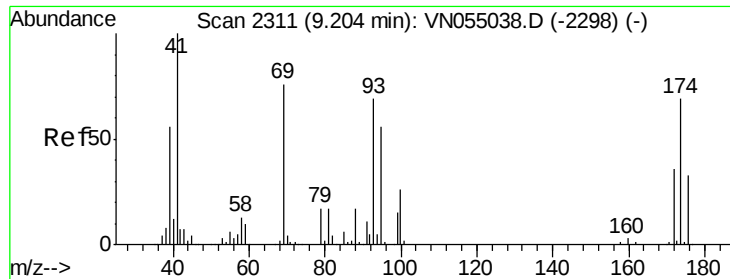
Delta R.T. 0.00 min

Lab File: VN055039.D

Acq: 15 Apr 2019 11:35

Tgt Ion:	41	Resp:	448922
Ion Ratio	Lower	Upper	
41	100		
69	75.4	60.5	90.7
39	54.4	43.9	65.9





#49

1,4-Dioxane

Concen: 1748.860 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN055039.D

Acq: 15 Apr 2019 11:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 88 Resp: 78532

Ion Ratio Lower Upper

88 100

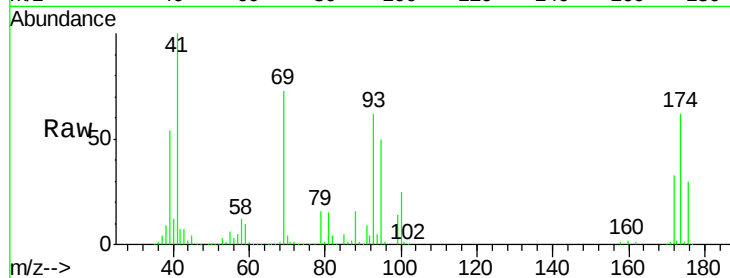
43 39.5 31.8 47.8

58 75.2 61.6 92.4

Manual Integrations
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Abundance Ion 88.00 (87.70 to 88.70): VN055038.D (-2298) (-)

Ion 43.00 (42.70 to 43.70): VN055038.D (-2298) (-)

Ion 58.00 (57.70 to 58.70): VN055038.D (-2298) (-)

500000

400000

300000

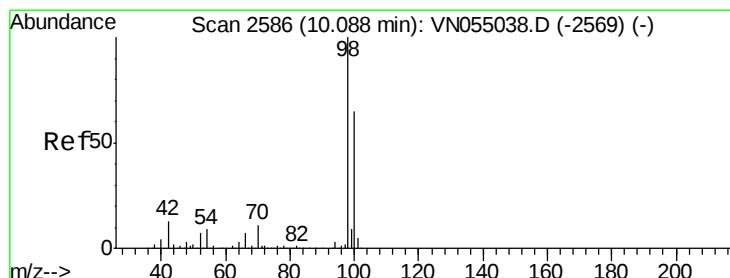
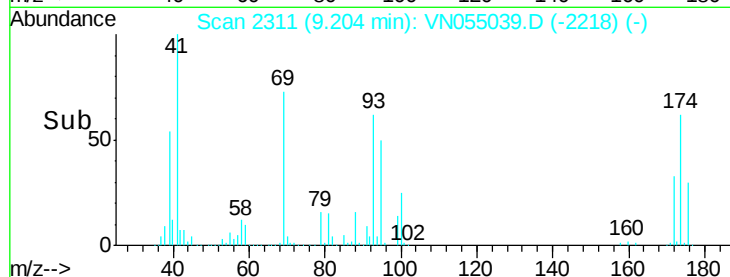
200000

100000

0

9.15 9.20 9.25 9.30

Time-->



#50

Toluene-d8

Concen: 103.050 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055039.D

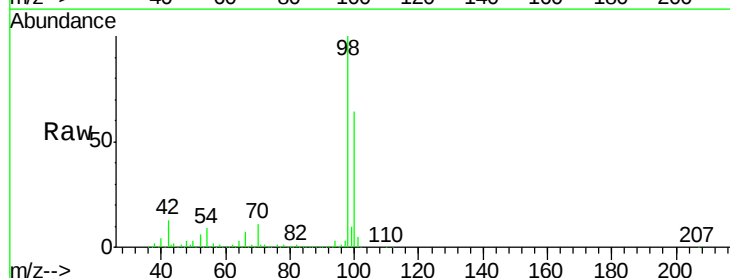
Acq: 15 Apr 2019 11:35

Tgt Ion: 98 Resp: 1648434

Ion Ratio Lower Upper

98 100

100 64.3 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VN055038.D (-2569) (-)

Ion 100.00 (99.70 to 100.70): VN055038.D (-2569) (-)

1000000

800000

600000

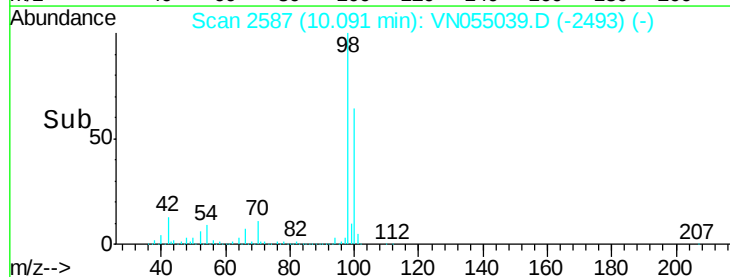
400000

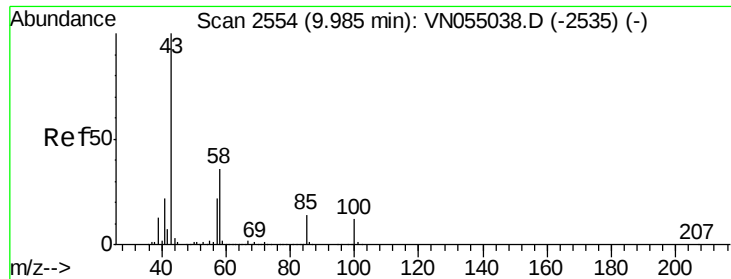
200000

0

10.00 10.05 10.10 10.15 10.20

Time-->





#51

4-Methyl-2-Pentanone

Concen: 536.397 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055039.D

Acq: 15 Apr 2019 11:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 2545692

Ion Ratio Lower Upper

43 100

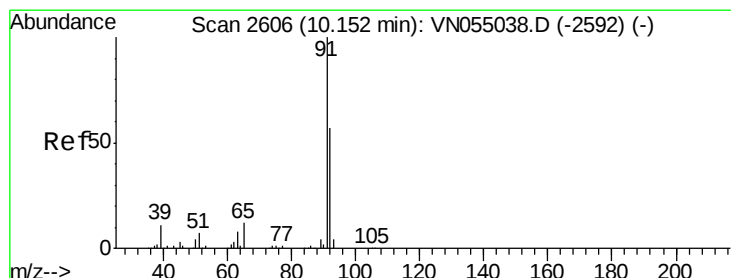
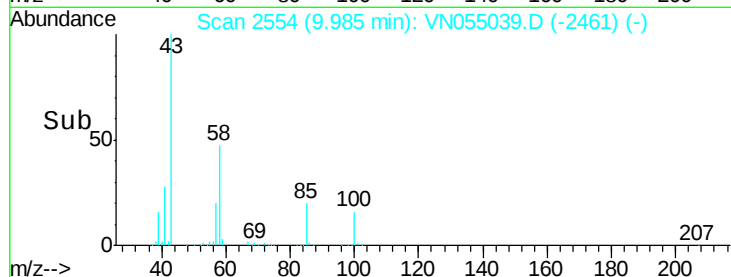
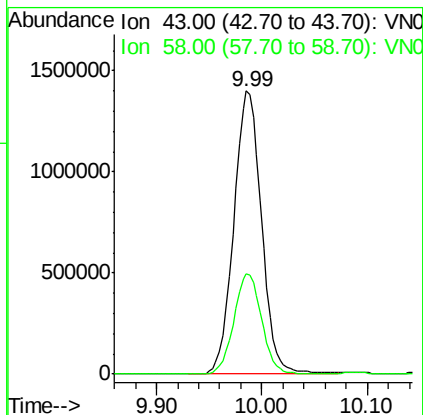
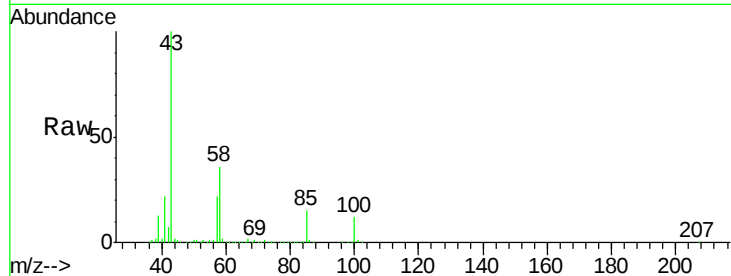
58 35.5 29.0 43.4

Manual Integrations

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#52

Toluene

Concen: 101.818 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055039.D

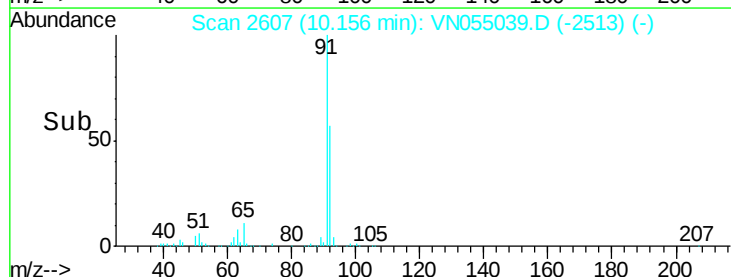
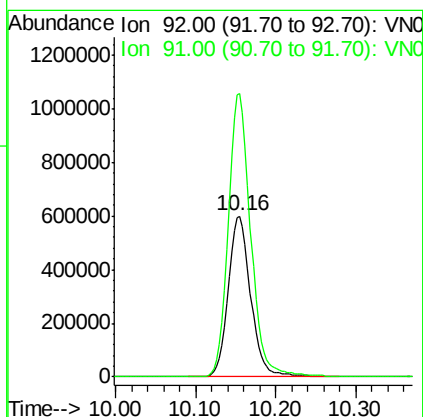
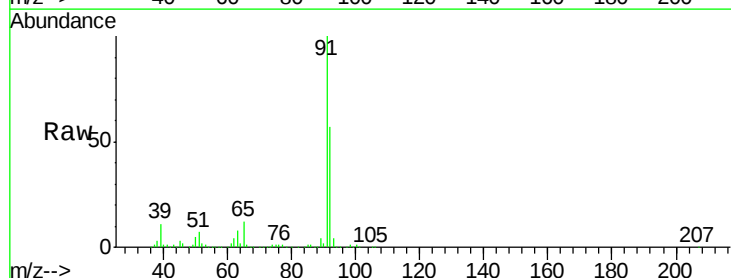
Acq: 15 Apr 2019 11:35

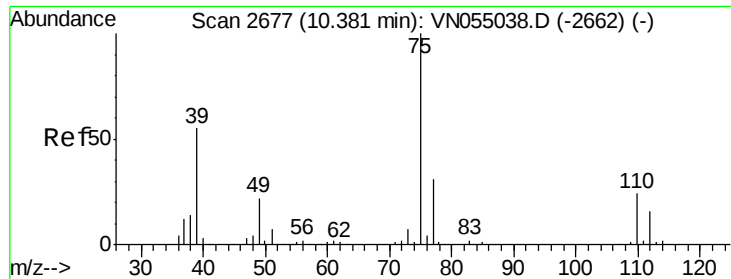
Tgt Ion: 92 Resp: 1149542

Ion Ratio Lower Upper

92 100

91 176.4 140.8 211.2





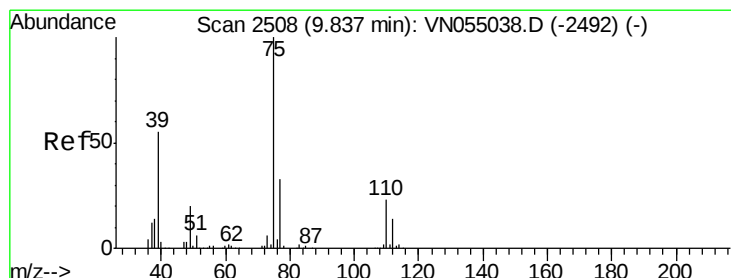
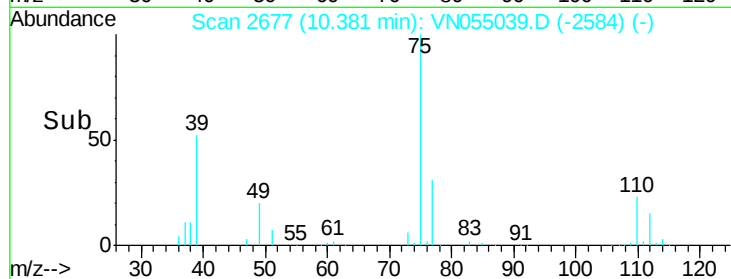
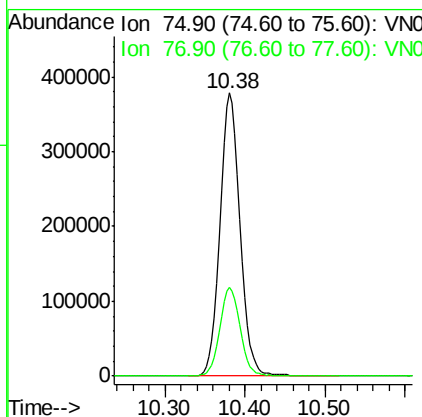
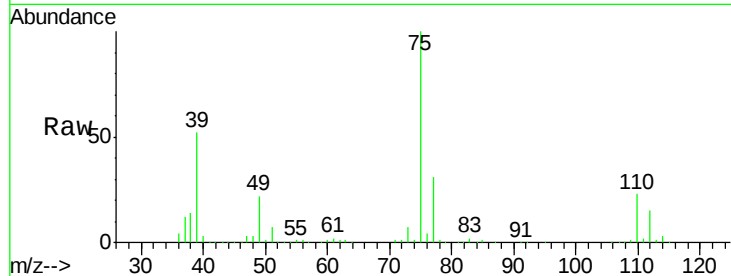
#53
t-1,3-Dichloropropene
Concen: 115.897 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN055039.D
Acq: 15 Apr 2019 11:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 75 Resp: 658768
Ion Ratio Lower Upper
75 100
77 31.2 24.6 37.0

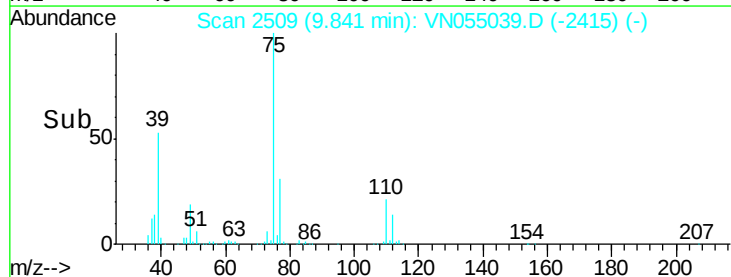
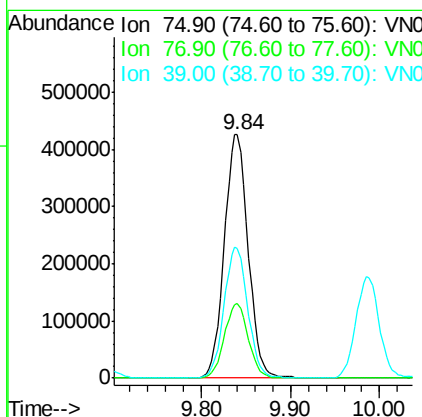
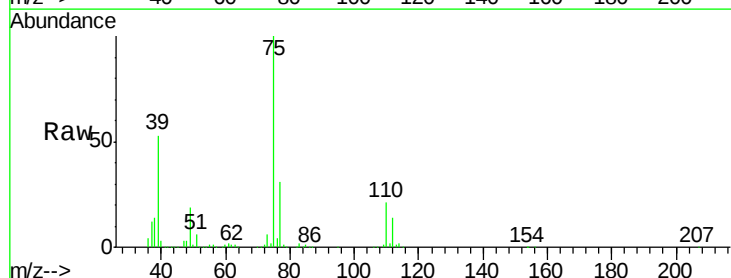
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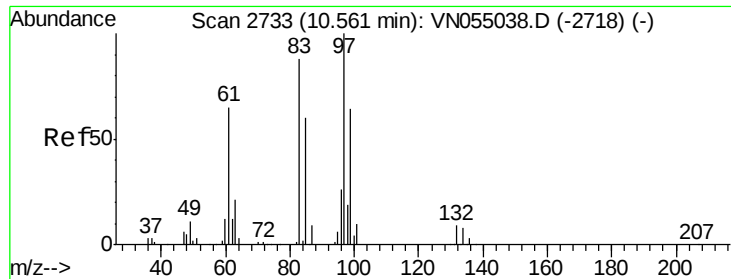
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#54
cis-1,3-Dichloropropene
Concen: 112.194 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN055039.D
Acq: 15 Apr 2019 11:35

Tgt Ion: 75 Resp: 785571
Ion Ratio Lower Upper
75 100
77 30.7 25.8 38.6
39 53.3 43.8 65.8





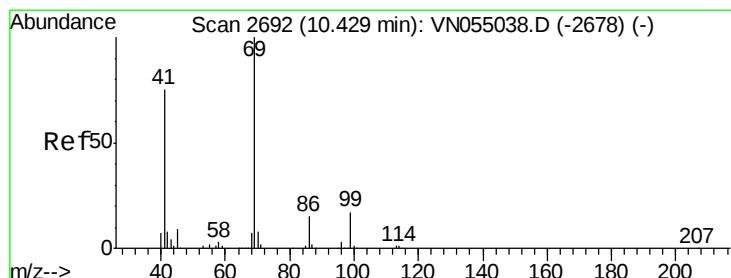
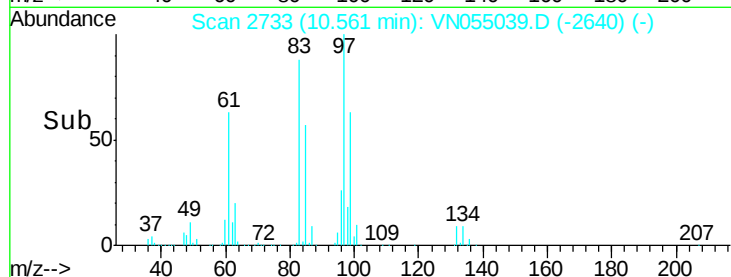
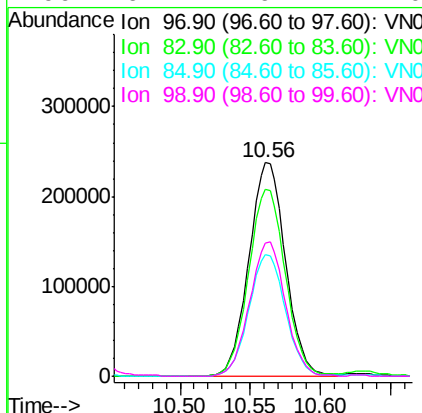
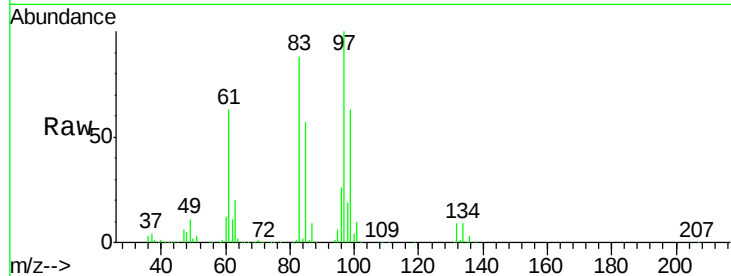
#55
 1,1,2-Trichloroethane
 Concen: 102.697 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN055039.D
 Acq: 15 Apr 2019 11:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion:	97	Resp:	431919
Ion	Ratio	Lower	Upper
97	100		
83	87.7	70.5	105.7
85	57.2	45.5	68.3
99	62.4	49.4	74.0

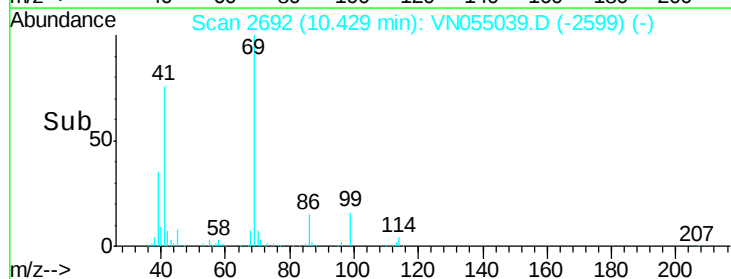
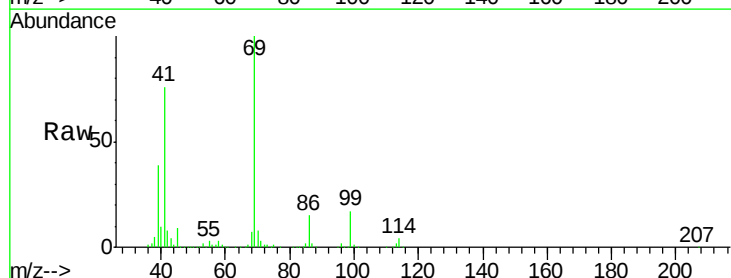
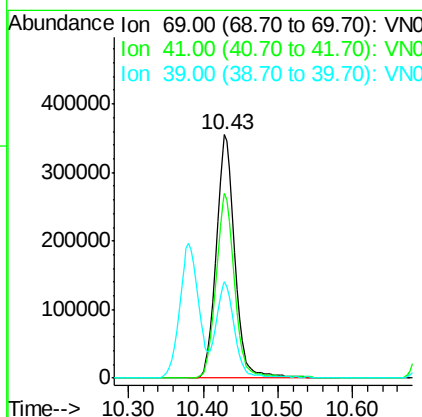
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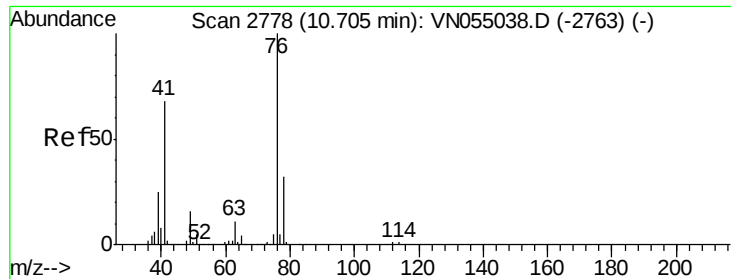
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 4/17/2019 1:49:12 PM



#56
 Ethyl methacrylate
 Concen: 113.109 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN055039.D
 Acq: 15 Apr 2019 11:35

Tgt Ion:	69	Resp:	612130
Ion	Ratio	Lower	Upper
69	100		
41	74.5	61.4	92.0
39	38.3	30.8	46.2





#57

1,3-Dichloropropane

Concen: 103.394 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN055039.D

Acq: 15 Apr 2019 11:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 76 Resp: 750157

Ion Ratio Lower Upper

76 100

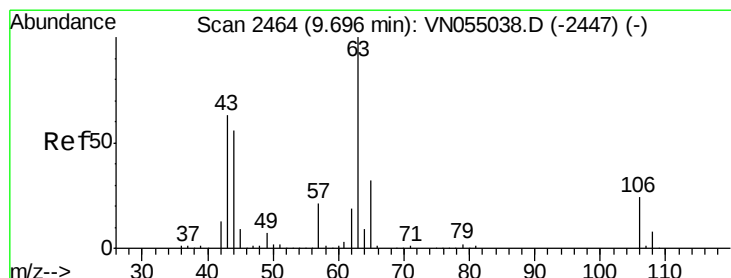
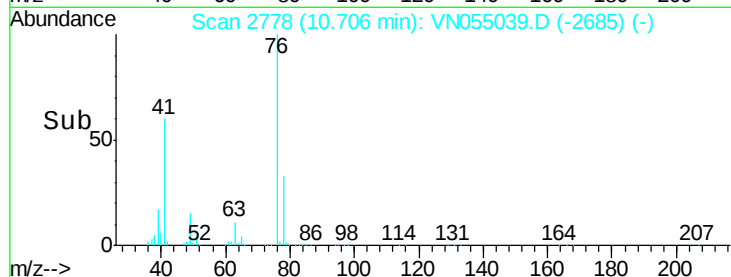
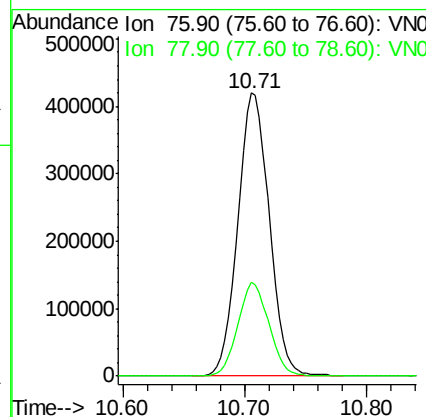
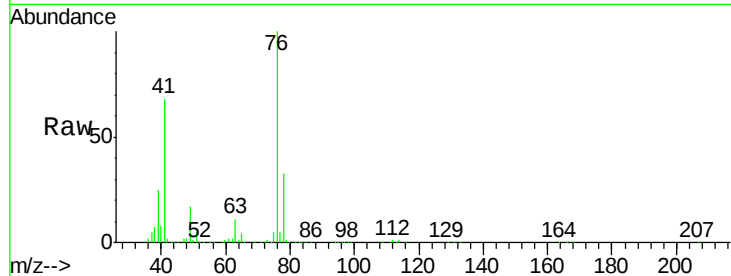
78 32.8 25.6 38.4

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 552.534 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN055039.D

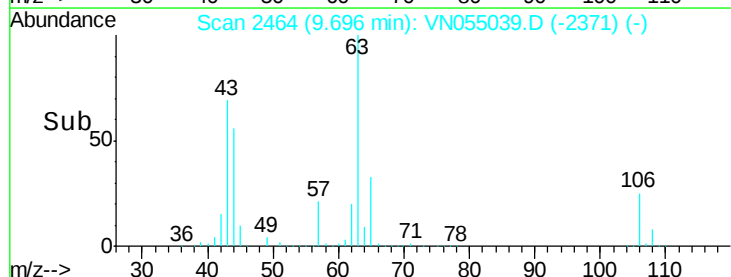
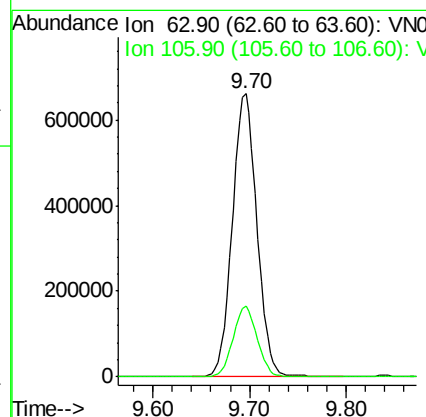
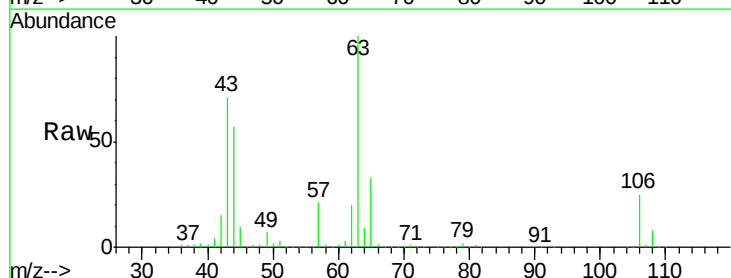
Acq: 15 Apr 2019 11:35

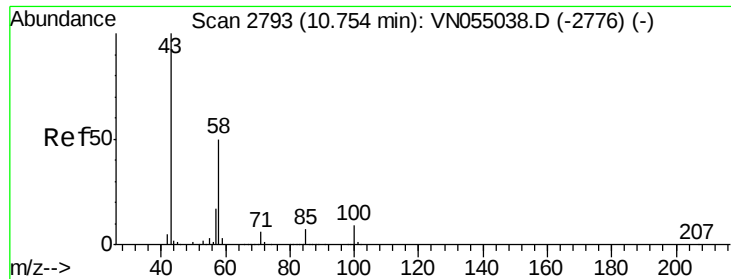
Tgt Ion: 63 Resp: 1169999

Ion Ratio Lower Upper

63 100

106 24.5 20.0 30.0





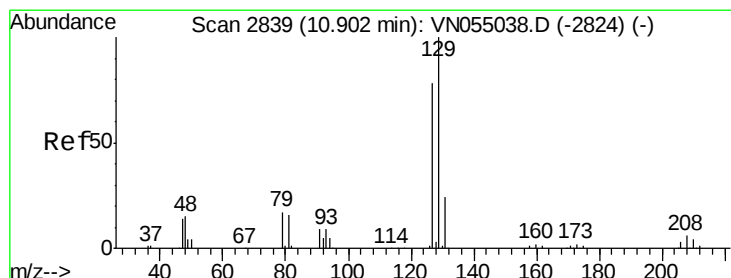
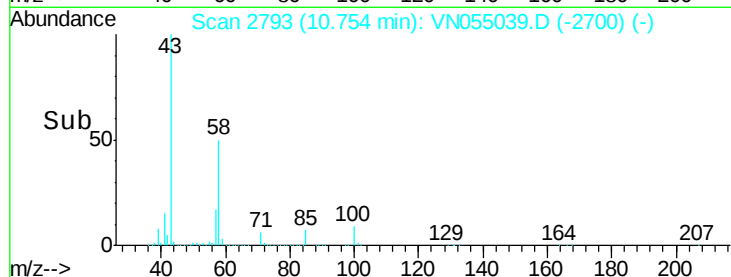
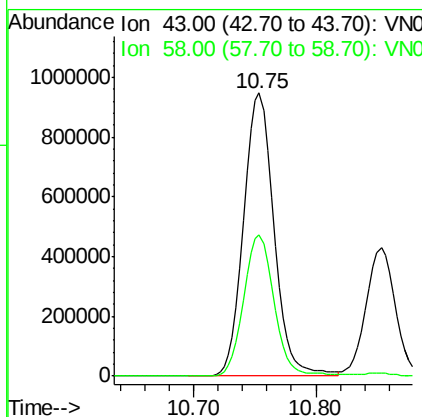
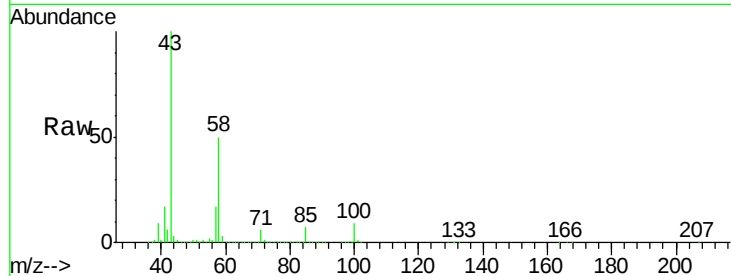
#59
2-Hexanone
Concen: 546.931 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN055039.D
Acq: 15 Apr 2019 11:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 1622033
Ion Ratio Lower Upper
43 100
58 50.2 25.1 75.2

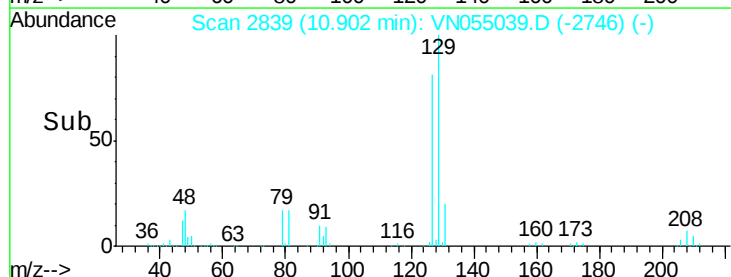
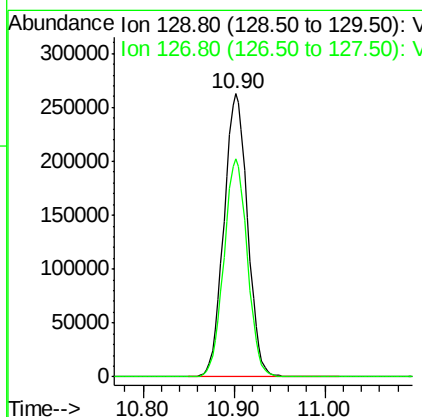
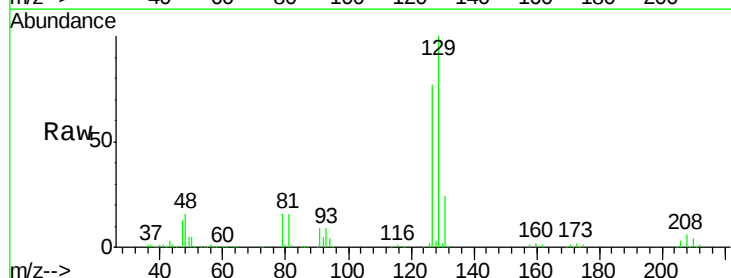
Manual Integrations
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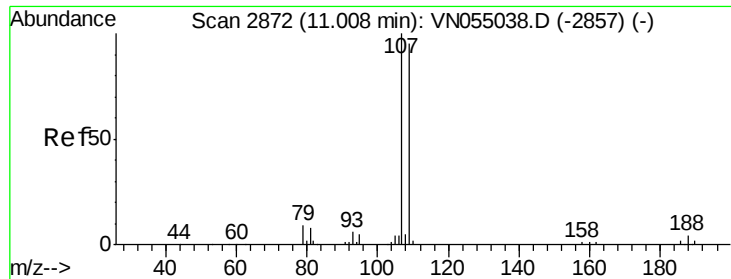
MMDadoda
4/17/2019 1:49:12 PM



#60
Dibromochloromethane
Concen: 113.480 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055039.D
Acq: 15 Apr 2019 11:35

Tgt Ion: 129 Resp: 475071
Ion Ratio Lower Upper
129 100
127 76.1 38.2 114.6





#61

1,2-Dibromoethane

Concen: 105.730 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN055039.D

Acq: 15 Apr 2019 11:35

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion: 107 Resp: 425745

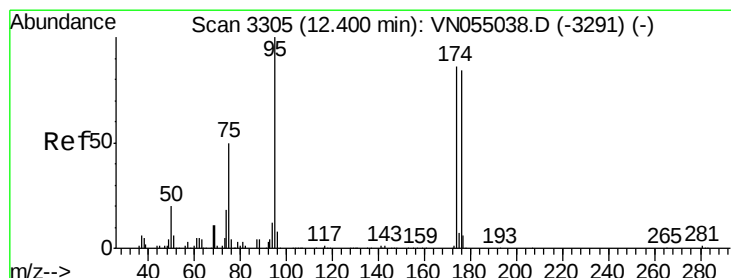
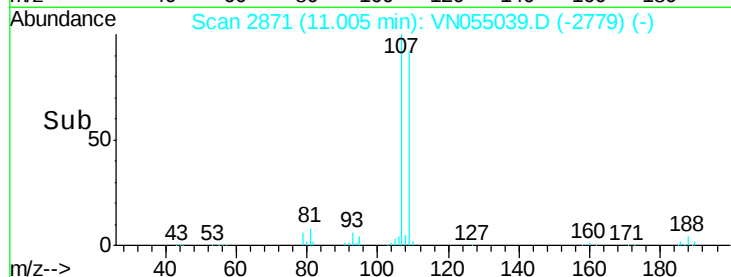
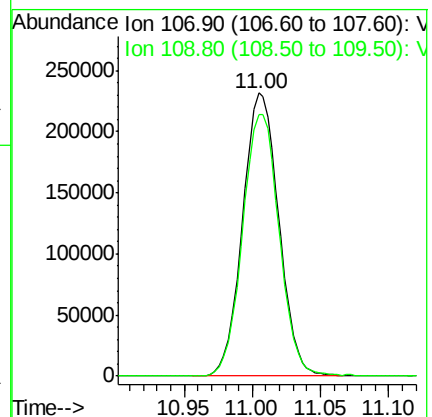
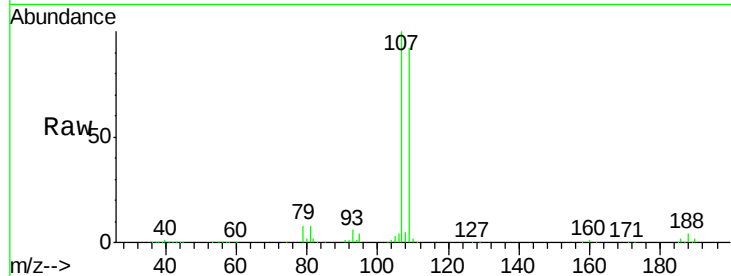
Ion Ratio Lower Upper

107 100

109 94.2 76.5 114.7

Manual Integrations
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#62

4-Bromofluorobenzene

Concen: 107.375 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055039.D

Acq: 15 Apr 2019 11:35

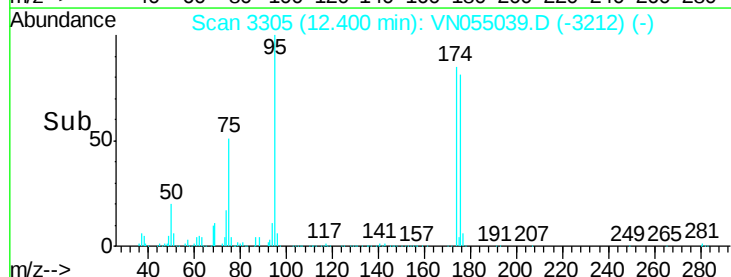
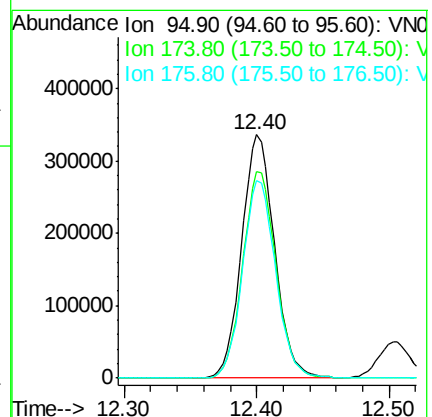
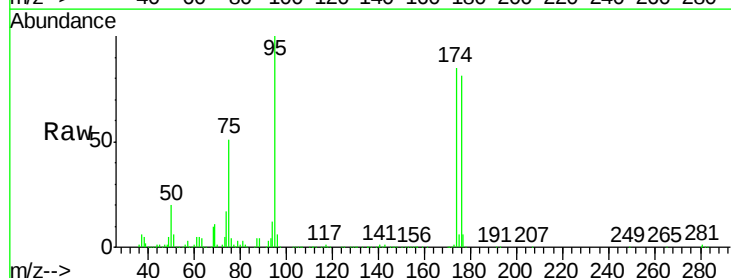
Tgt Ion: 95 Resp: 578572

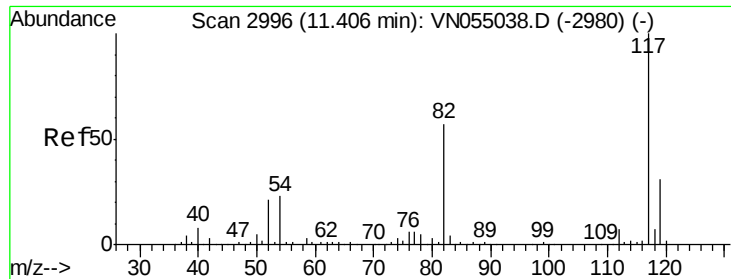
Ion Ratio Lower Upper

95 100

174 85.9 0.0 174.4

176 81.9 0.0 166.8





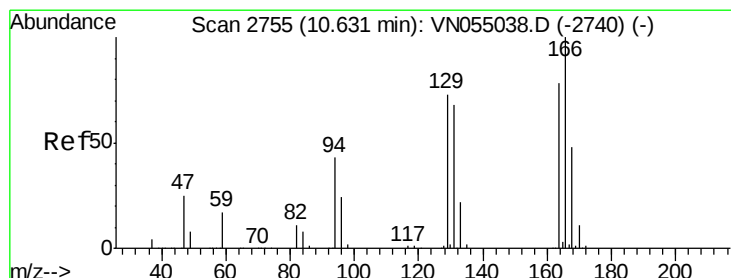
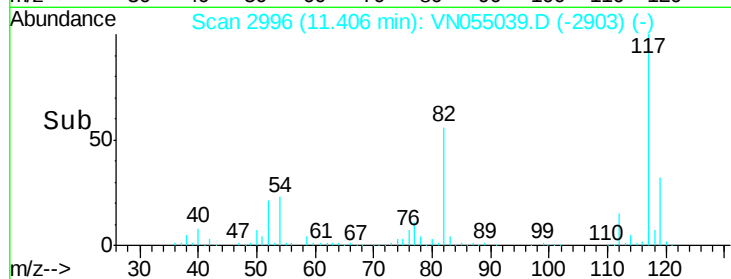
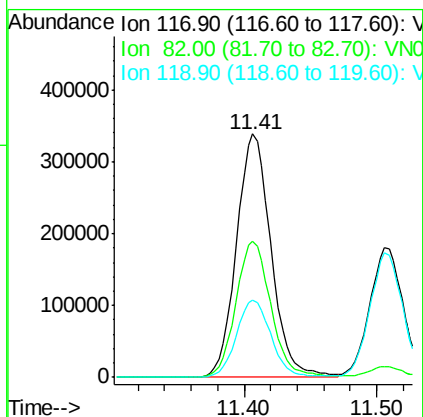
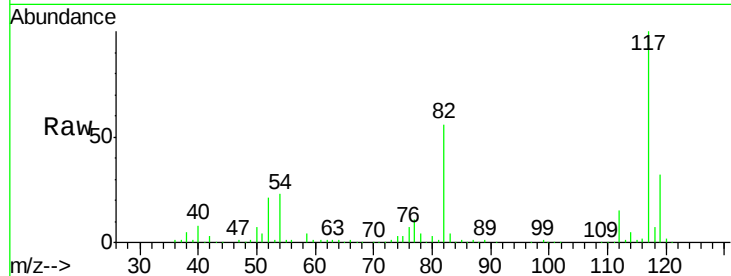
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055039.D
Acq: 15 Apr 2019 11:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.1	44.6	66.8
119	31.7	25.5	38.3

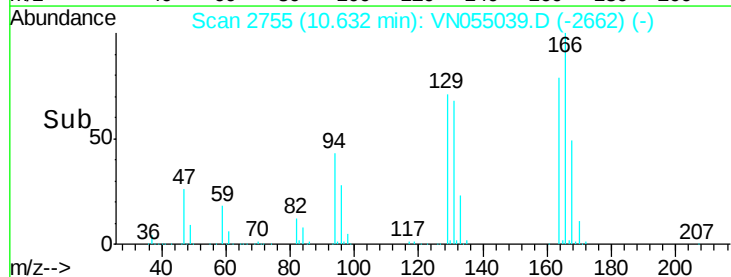
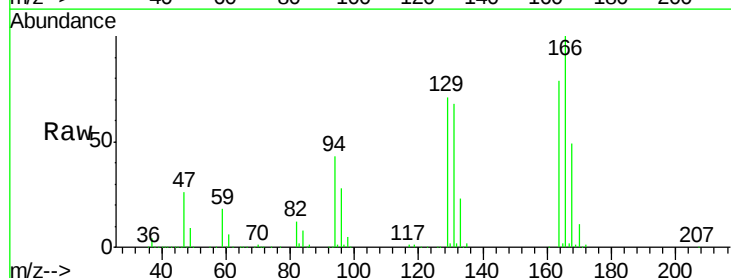
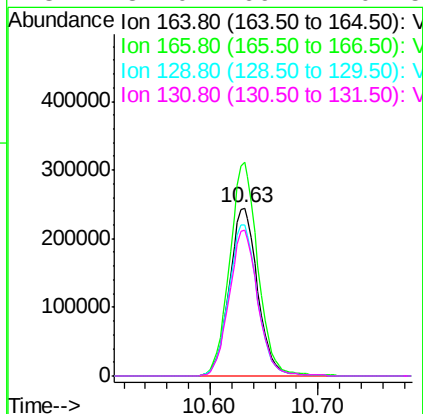
Manual Integrations
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#64
Tetrachloroethene
Concen: 92.994 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055039.D
Acq: 15 Apr 2019 11:35

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.3	100.0	150.0
129	90.4	72.0	108.0
131	87.0	69.7	104.5





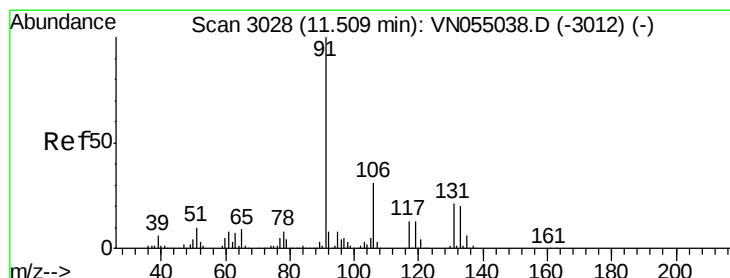
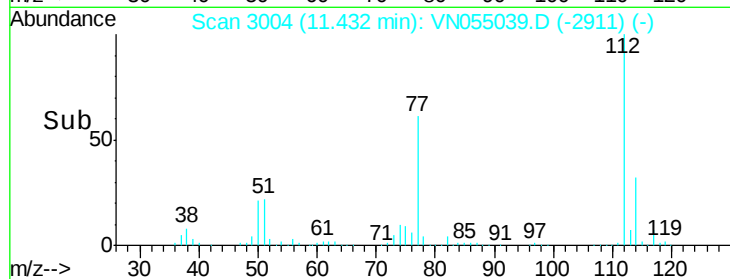
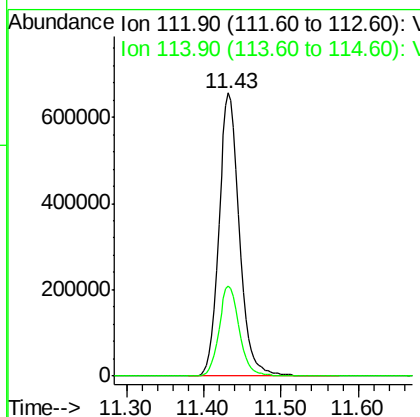
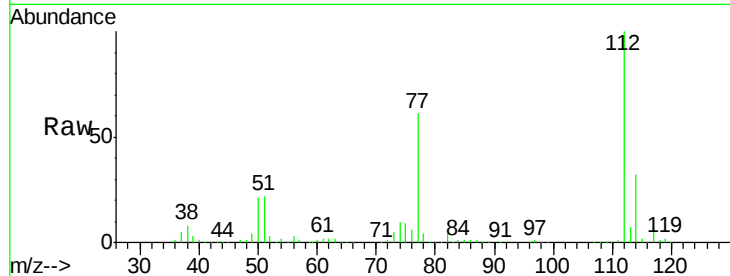
#65
Chlorobenzene
Concen: 102.215 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055039.D
Acq: 15 Apr 2019 11:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion:112 Resp: 1213855
Ion Ratio Lower Upper
112 100
114 32.0 25.3 37.9

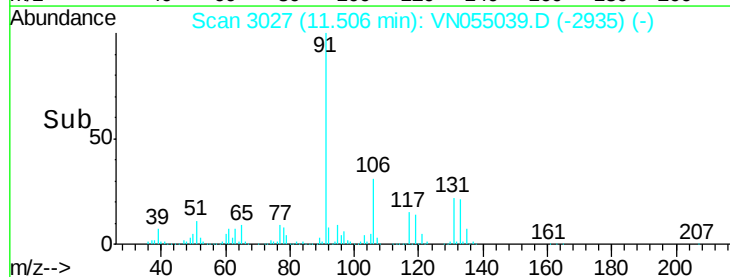
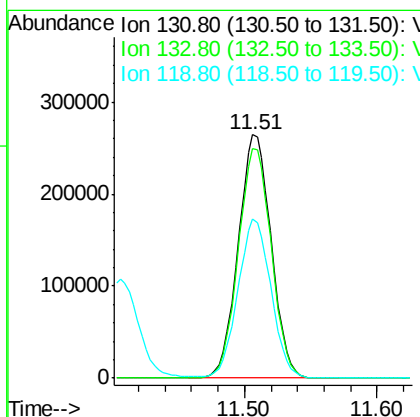
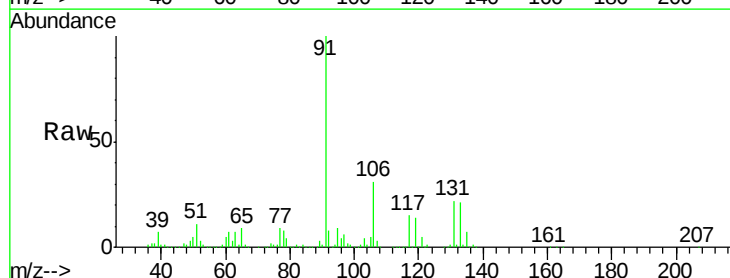
Manual Integrations
APPROVED

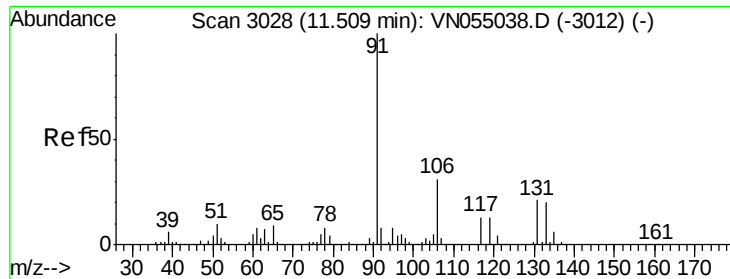
MMDadoda
4/17/2019 1:49:12 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 103.930 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN055039.D
Acq: 15 Apr 2019 11:35

Tgt Ion:131 Resp: 454844
Ion Ratio Lower Upper
131 100
133 94.8 47.8 143.3
119 65.8 33.6 100.6





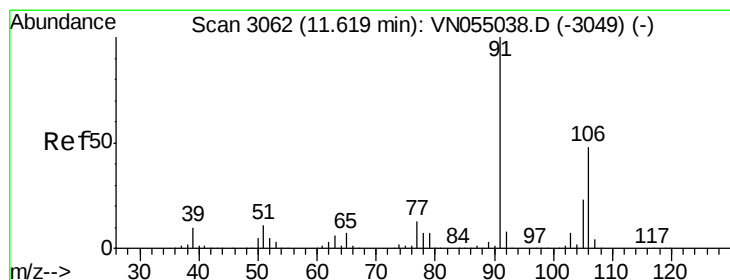
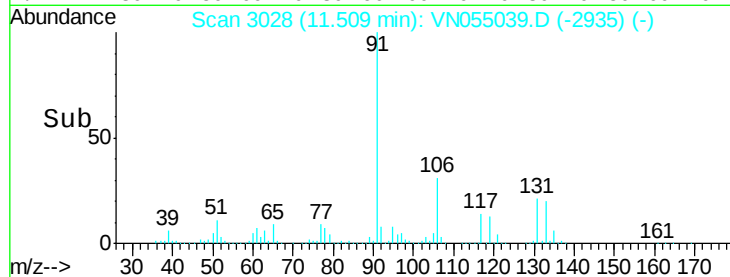
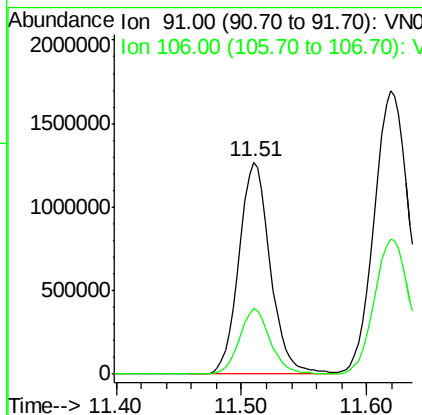
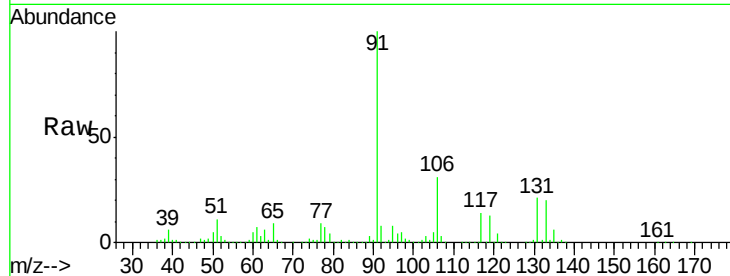
#67
Ethyl Benzene
Concen: 101.353 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055039.D
Acq: 15 Apr 2019 11:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 2210894
Ion Ratio Lower Upper
91 100
106 30.7 24.3 36.5

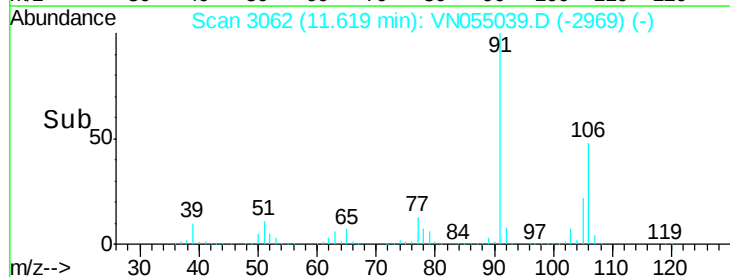
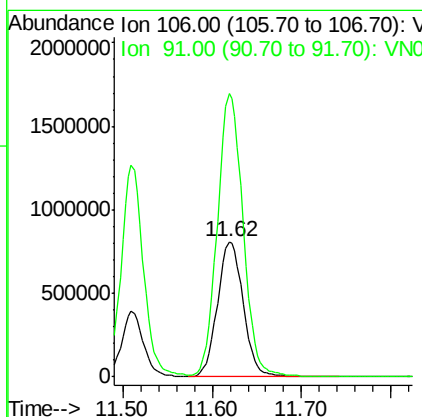
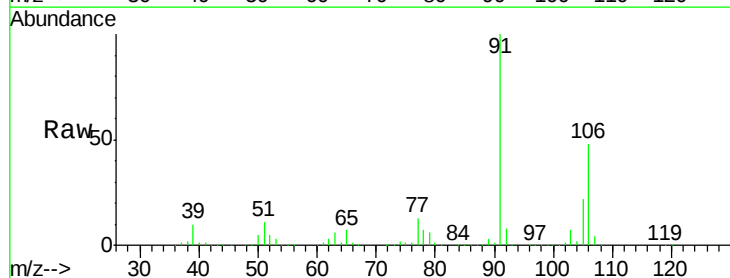
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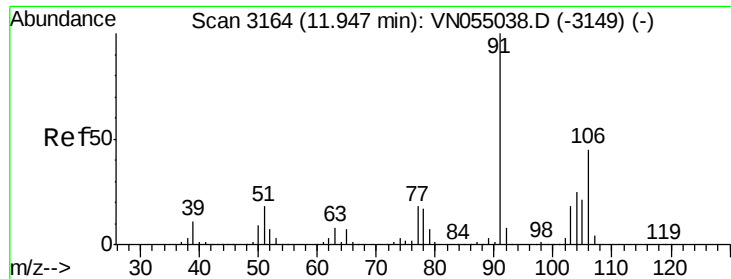
MMDadoda
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#68
m/p-Xylenes
Concen: 202.777 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN055039.D
Acq: 15 Apr 2019 11:35

Tgt Ion: 106 Resp: 1618327
Ion Ratio Lower Upper
106 100
91 209.2 165.9 248.9





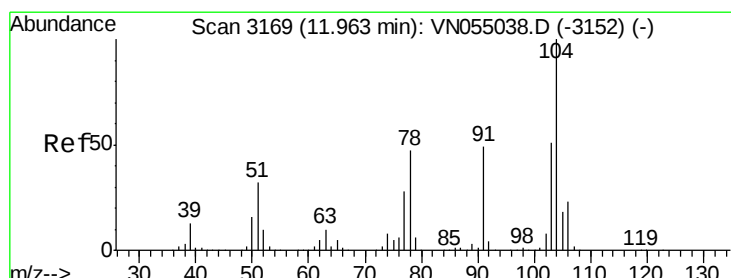
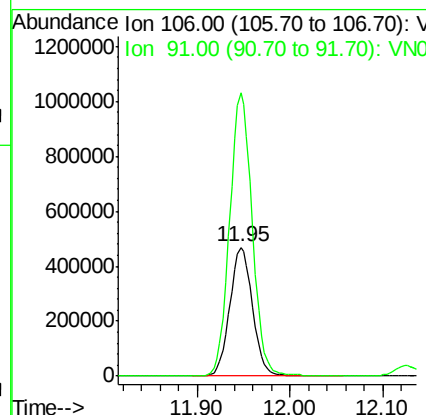
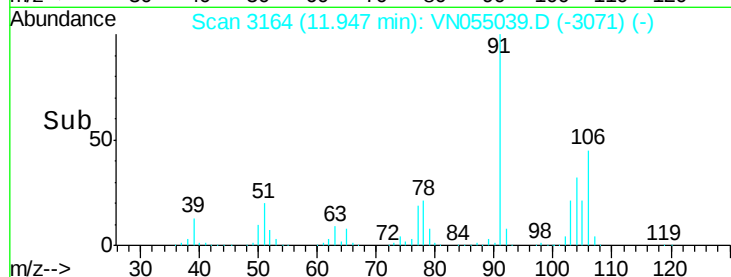
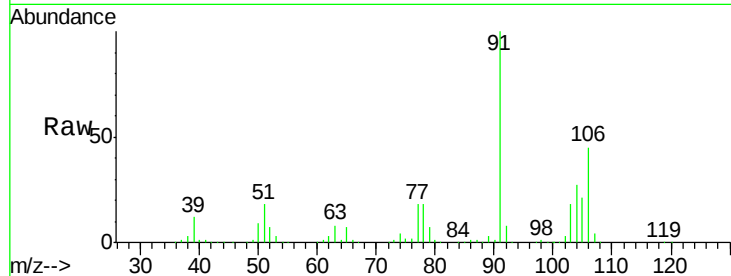
#69
o-Xylene
Concen: 100.728 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055039.D
Acq: 15 Apr 2019 11:35

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion:106 Resp: 795400
Ion Ratio Lower Upper
106 100
91 218.6 109.9 329.8

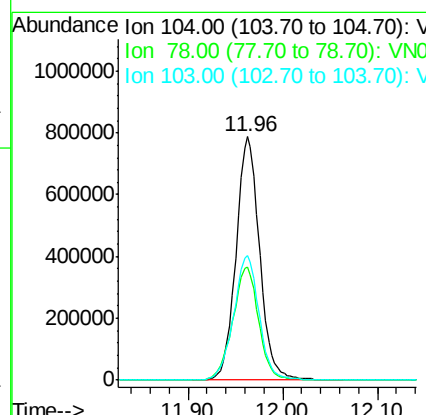
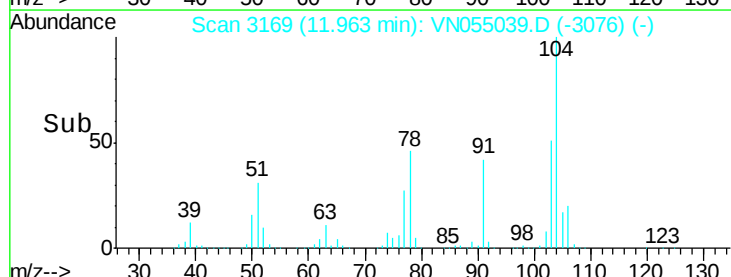
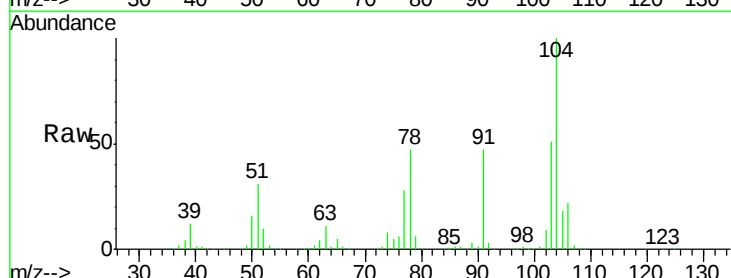
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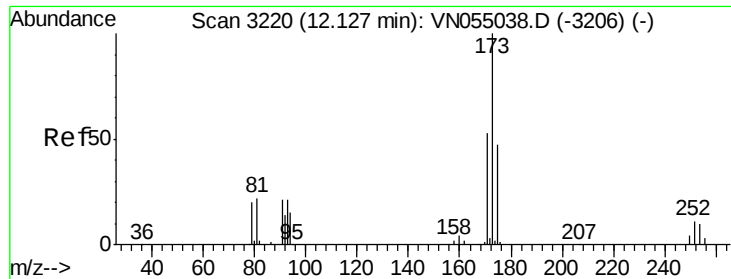
MMDadoda
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#70
Styrene
Concen: 108.531 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055039.D
Acq: 15 Apr 2019 11:35

Tgt Ion:104 Resp: 1358869
Ion Ratio Lower Upper
104 100
78 51.3 40.3 60.5
103 55.4 44.3 66.5





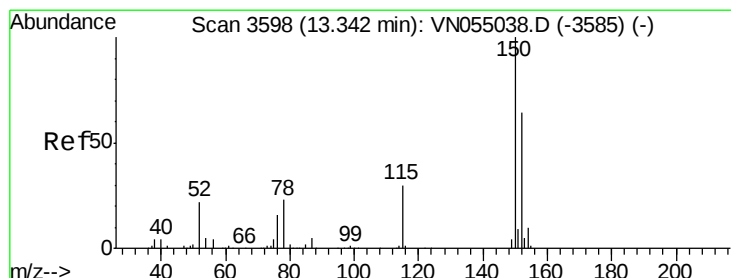
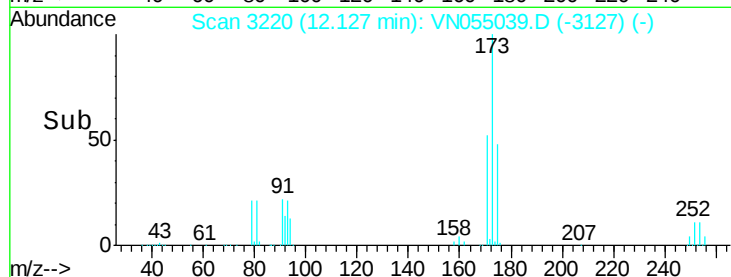
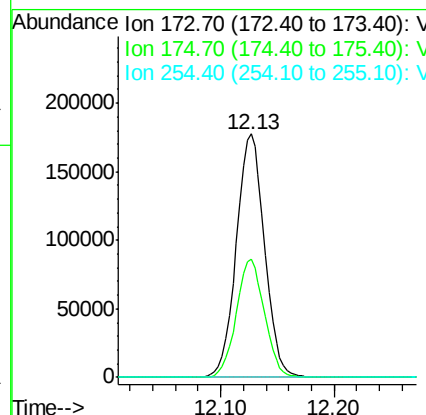
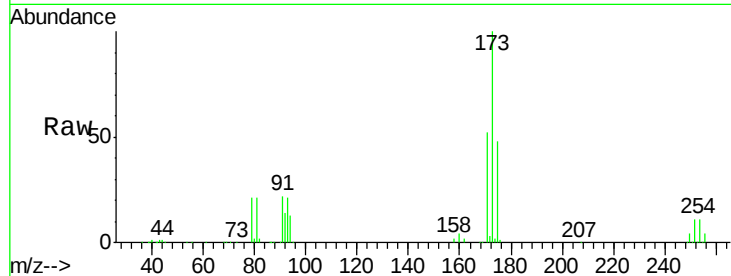
#71
Bromoform
Concen: 116.365 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN055039.D
Acq: 15 Apr 2019 11:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.3	73.0
254	0.1	0.1	0.1

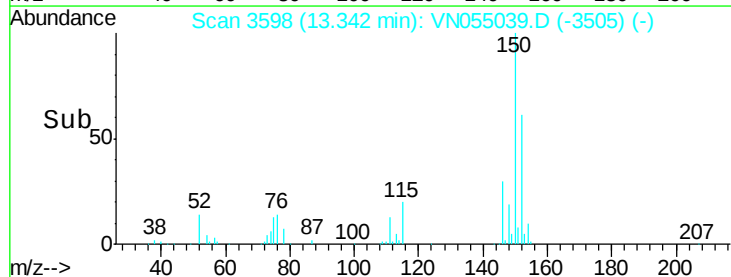
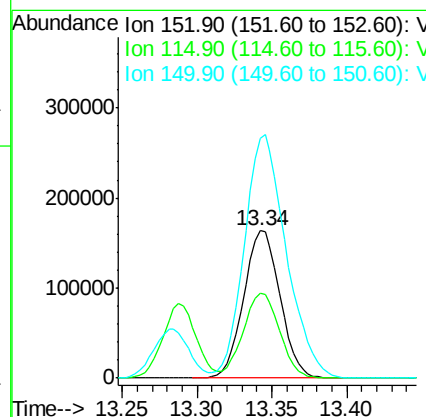
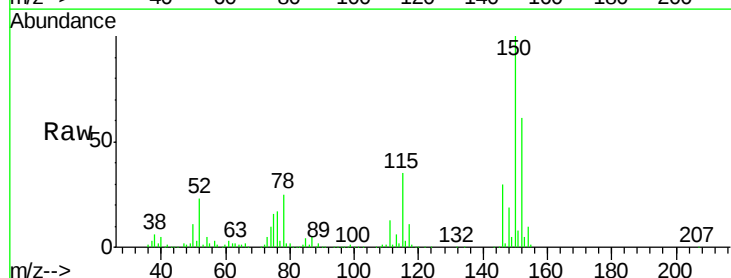
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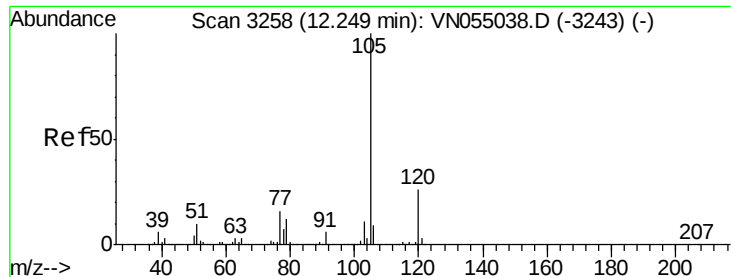
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN055039.D
Acq: 15 Apr 2019 11:35

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.8	28.5	85.6
150	190.0	0.0	347.2





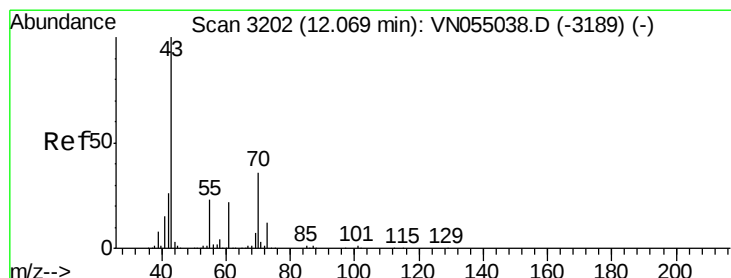
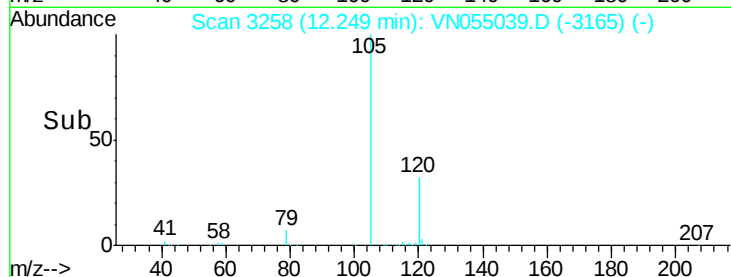
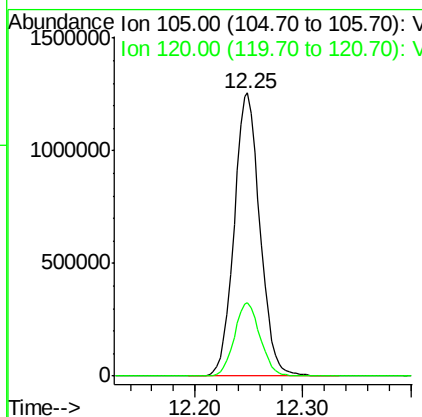
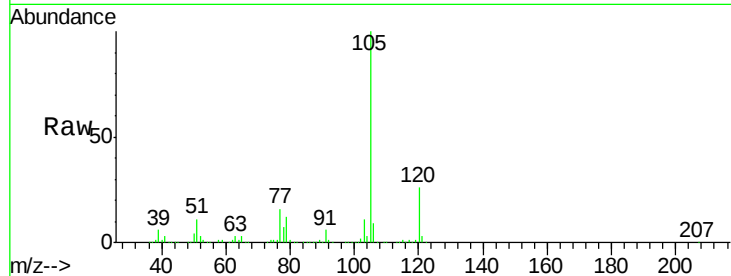
#73
Isopropylbenzene
Concen: 89.057 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN055039.D
Acq: 15 Apr 2019 11:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion:105 Resp: 2096533
Ion Ratio Lower Upper
105 100
120 26.0 13.3 39.9

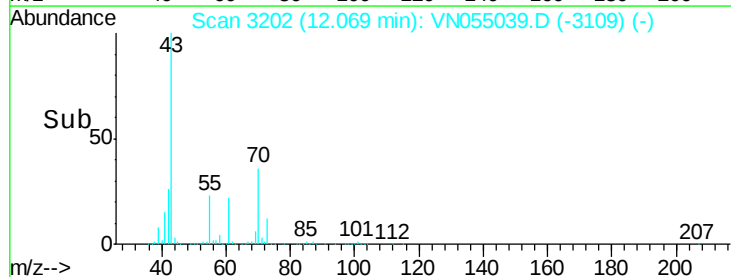
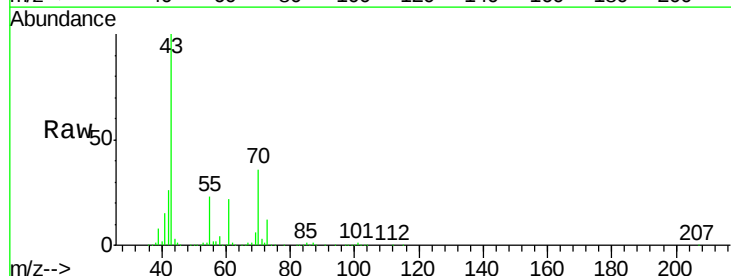
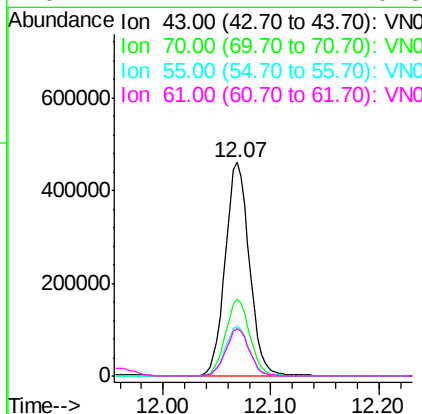
Manual Integrations
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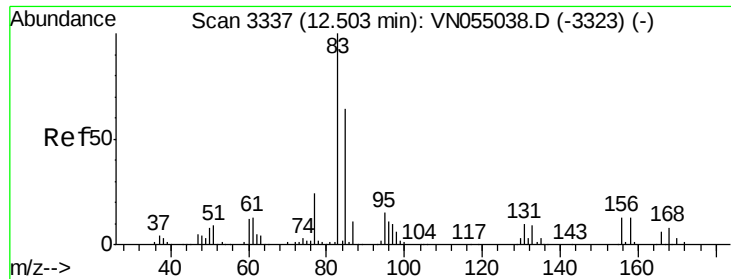
MMDadoda
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#74
N-ethyl acetate
Concen: 100.627 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN055039.D
Acq: 15 Apr 2019 11:35

Tgt Ion: 43 Resp: 714022
Ion Ratio Lower Upper
43 100
70 36.1 29.4 44.0
55 23.2 19.0 28.4
61 21.7 17.7 26.5





#75

1,1,2,2-Tetrachloroethane

Concen: 89.639 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055039.D

Acq: 15 Apr 2019 11:35

Instrument :

MSVOA_N

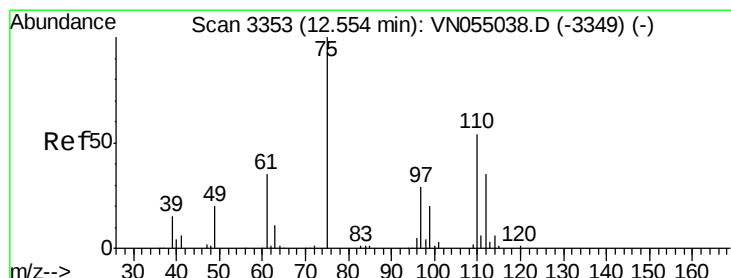
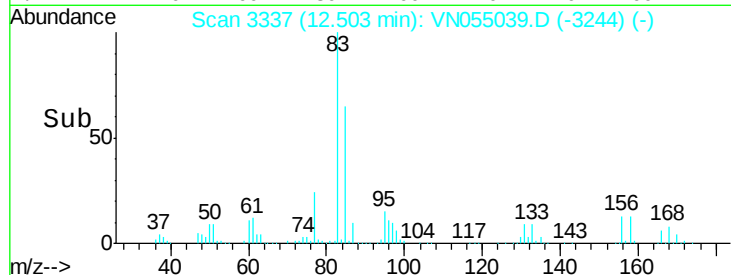
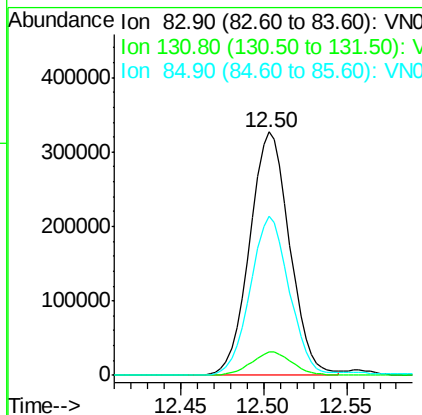
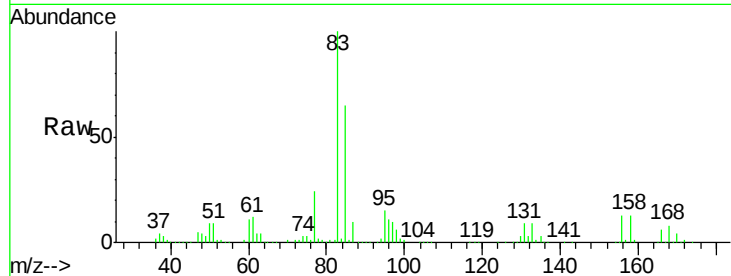
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	546347
Ion Ratio	Lower	Upper	
83	100		
131	9.9	5.0	15.0
85	64.0	32.3	96.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 82.523 ug/l m

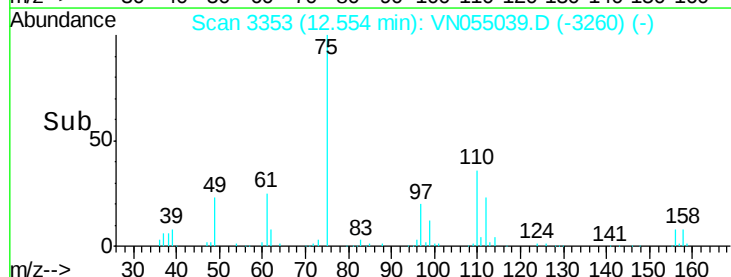
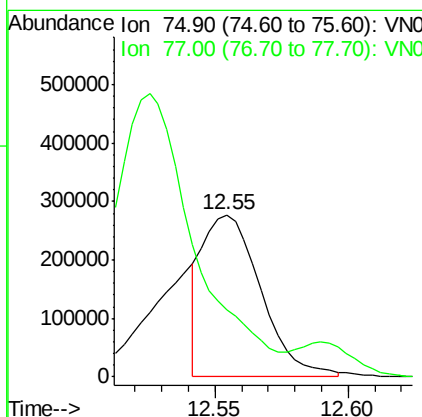
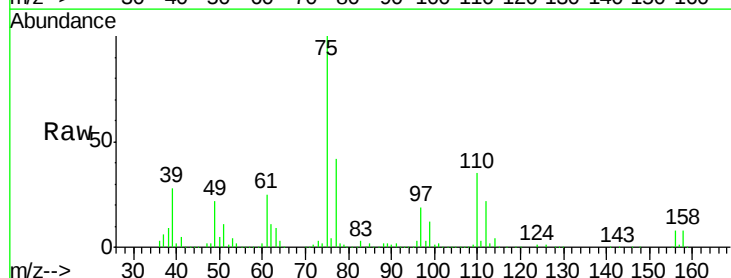
RT: 12.55 min Scan# 3353

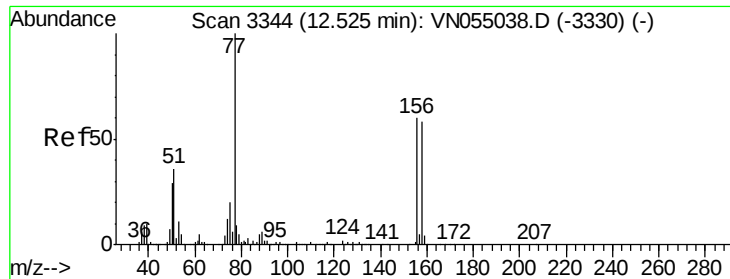
Delta R.T. 0.00 min

Lab File: VN055039.D

Acq: 15 Apr 2019 11:35

Tgt Ion:	75	Resp:	420366
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 91.195 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055039.D

Acq: 15 Apr 2019 11:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:156 Resp: 527384

Ion Ratio Lower Upper

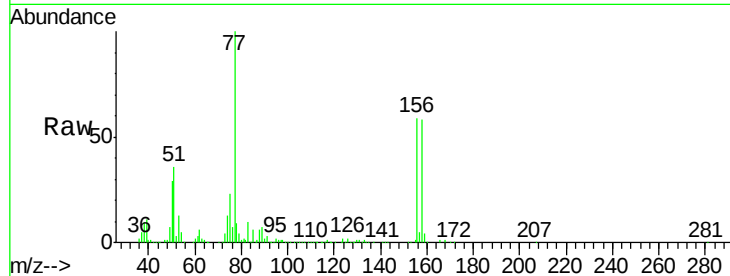
156 100

77 195.9 97.2 291.5

158 97.8 48.6 145.9

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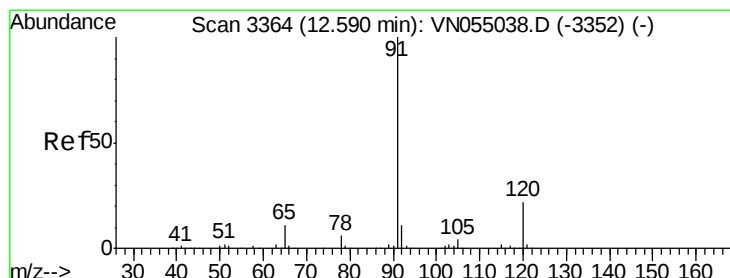
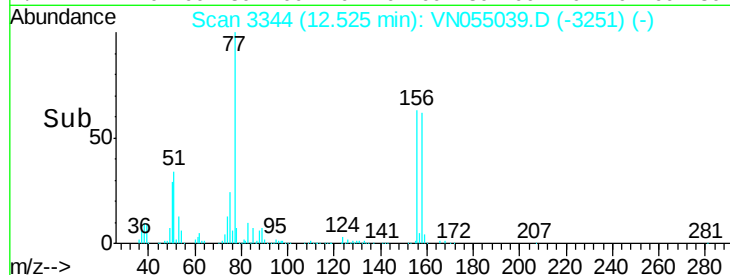
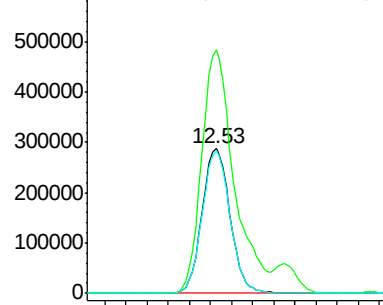
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 91.955 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055039.D

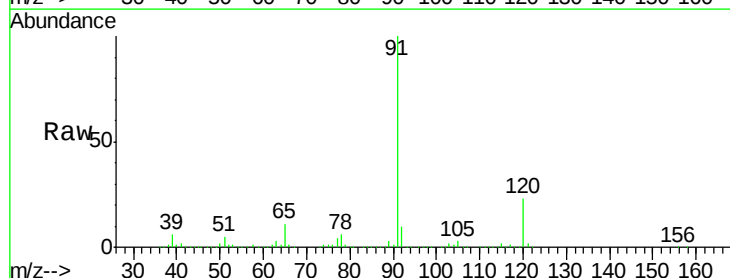
Acq: 15 Apr 2019 11:35

Tgt Ion: 91 Resp: 2358482

Ion Ratio Lower Upper

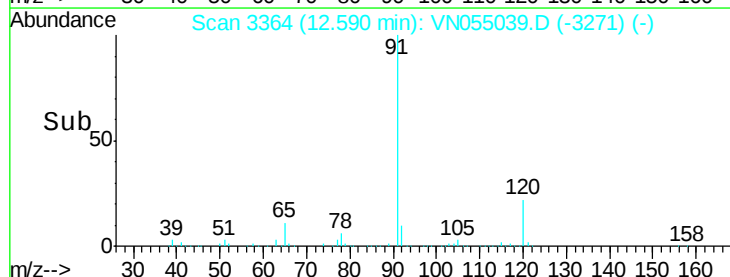
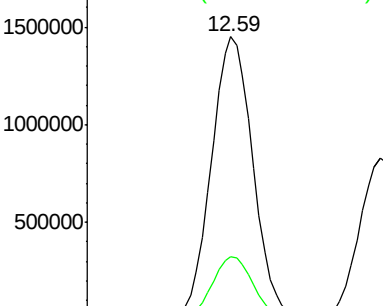
91 100

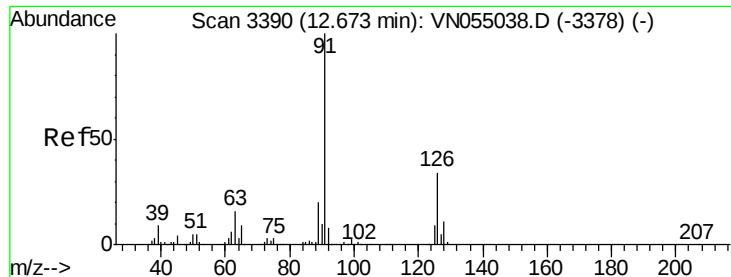
120 22.6 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 90.678 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055039.D

Acq: 15 Apr 2019 11:35

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion: 91 Resp: 1436759

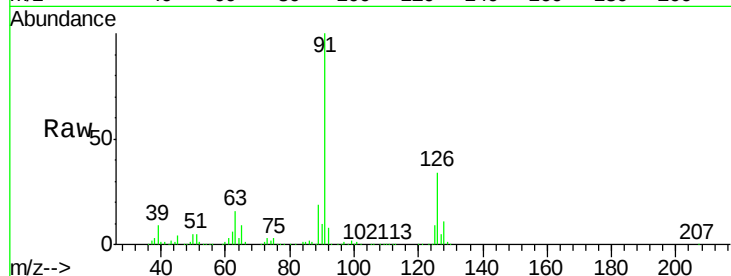
Ion Ratio Lower Upper

91 100

126 34.1 17.1 51.2

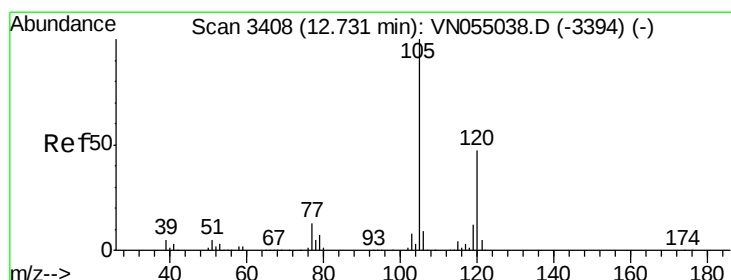
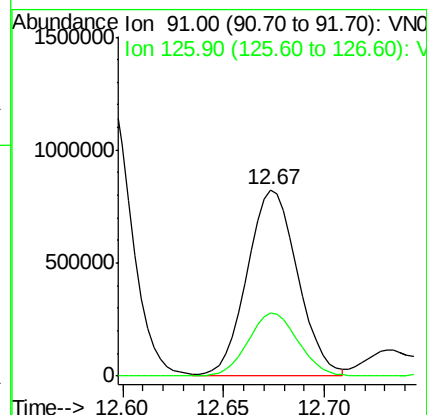
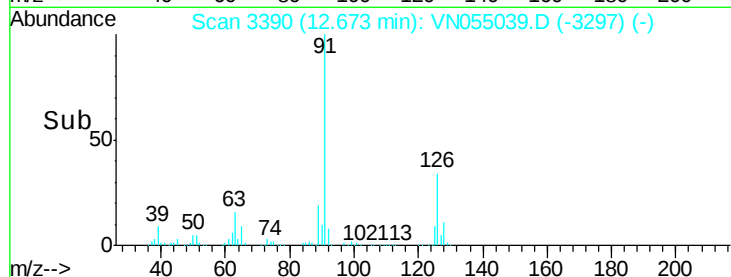
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Abundance Ion 91.00 (90.70 to 91.70): VN055039.D (-3297) (-)

Ion 125.90 (125.60 to 126.60): VN055039.D (-3297) (-)



#80

1,3,5-Trimethylbenzene

Concen: 90.717 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055039.D

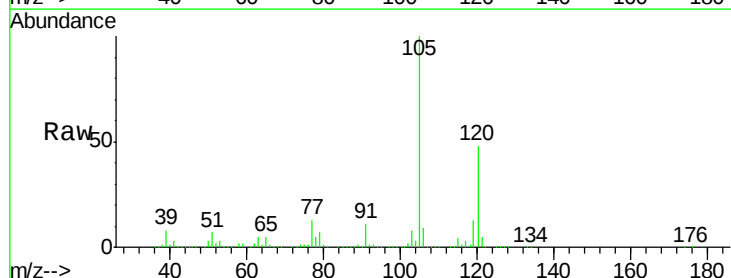
Acq: 15 Apr 2019 11:35

Tgt Ion: 105 Resp: 1738534

Ion Ratio Lower Upper

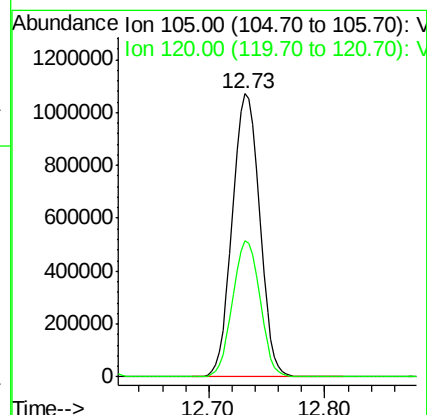
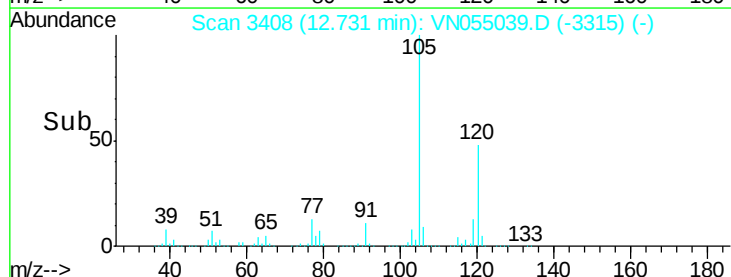
105 100

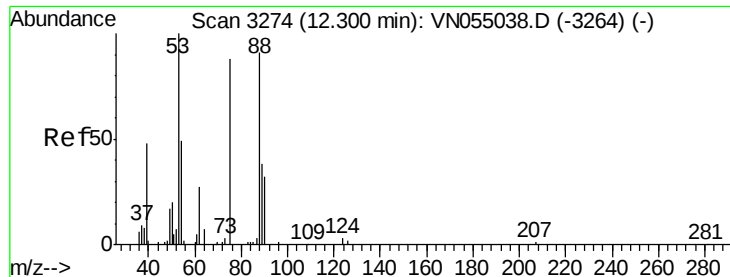
120 48.3 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): VN055039.D (-3315) (-)

Ion 120.00 (119.70 to 120.70): VN055039.D (-3315) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 112.873 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055039.D

Acq: 15 Apr 2019 11:35

Instrument :

MSVOA_N

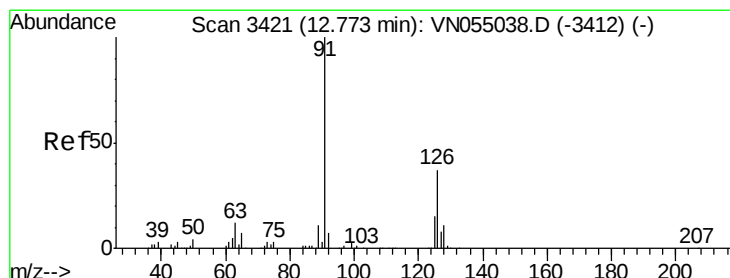
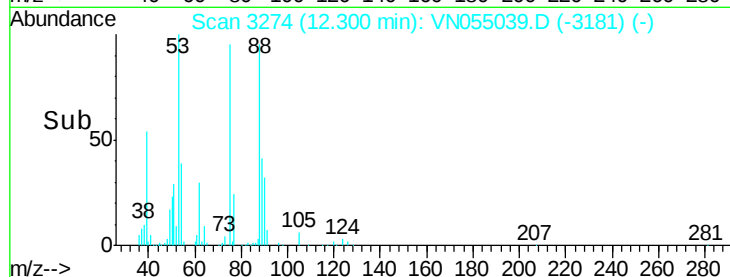
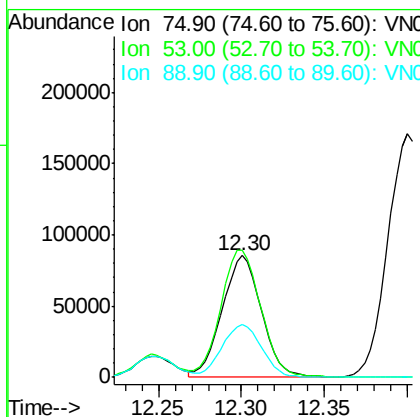
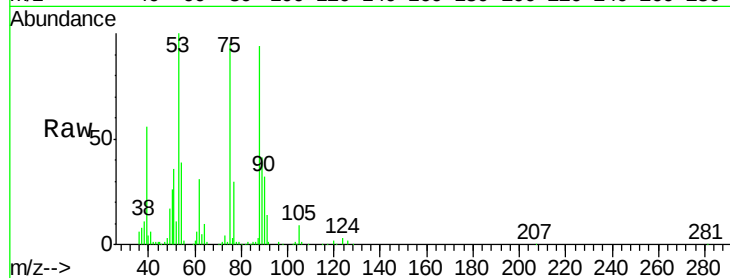
ClientSampleId :

VSTDIC100

Tot Ion:	75	Resp:	139303
Ion	Ratio	Lower	Upper
75	100		
53	108.1	96.3	144.5
89	44.9	38.6	57.8

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#82

4-Chlorotoluene

Concen: 94.587 ug/l

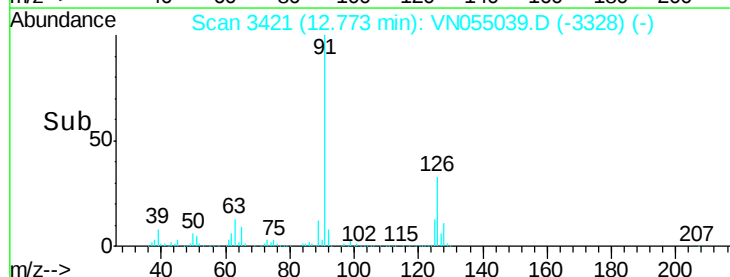
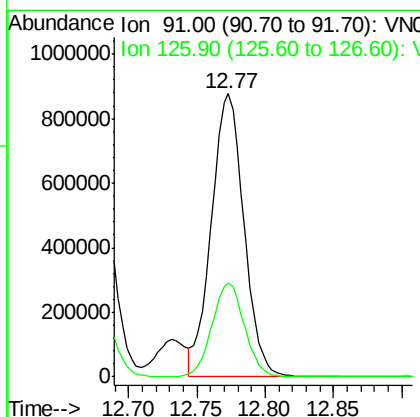
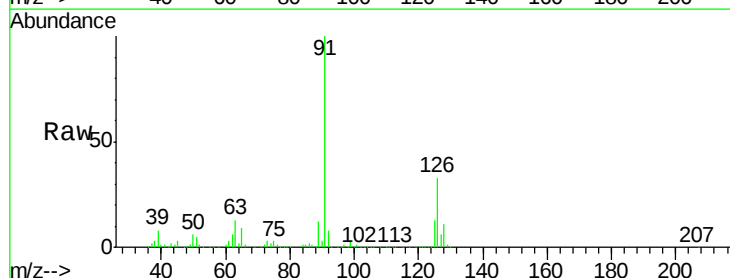
RT: 12.77 min Scan# 3421

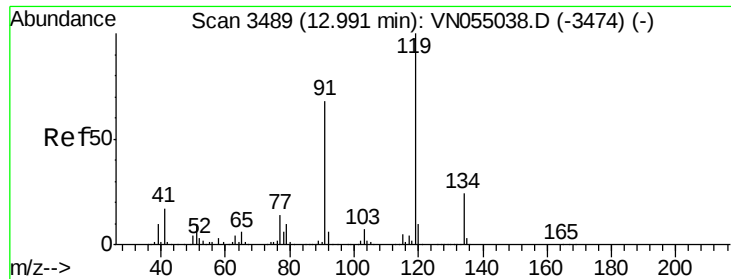
Delta R.T. 0.00 min

Lab File: VN055039.D

Acq: 15 Apr 2019 11:35

Tgt Ion:	91	Resp:	1449399
Ion	Ratio	Lower	Upper
91	100		
126	33.2	16.4	49.2





#83

tert-Butylbenzene

Concen: 88.172 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN055039.D

Acq: 15 Apr 2019 11:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:119 Resp: 1447609

Ion Ratio Lower Upper

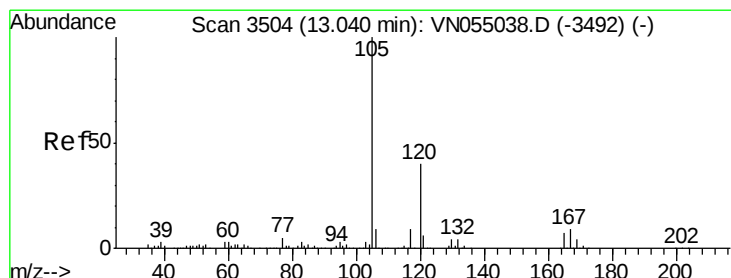
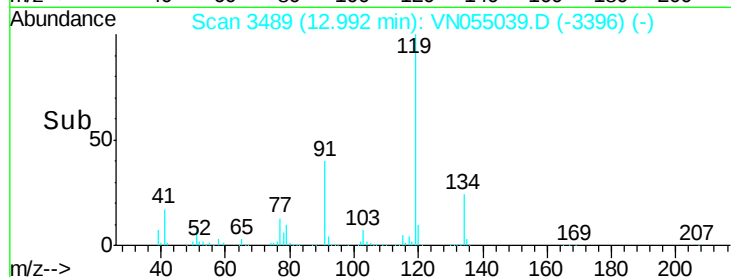
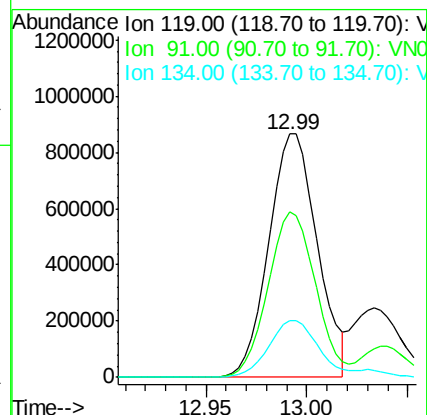
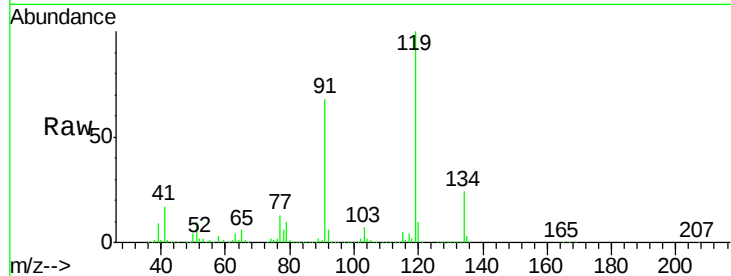
119 100

91 66.6 33.3 99.8

134 24.0 12.3 36.9

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#84

1,2,4-Trimethylbenzene

Concen: 94.409 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN055039.D

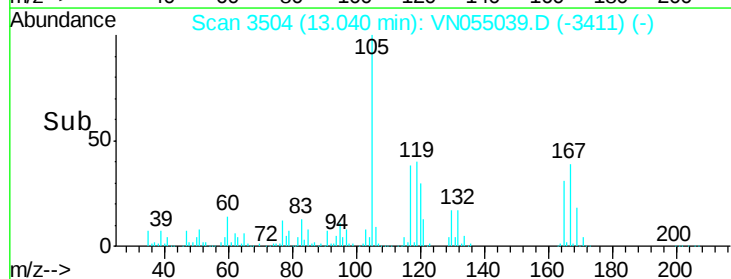
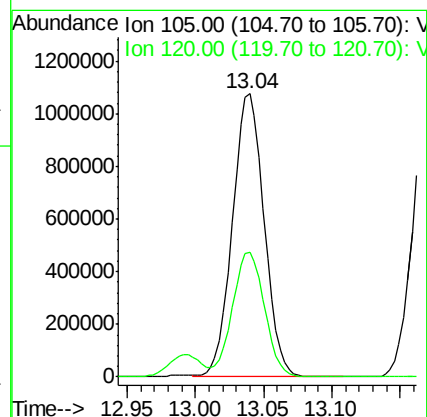
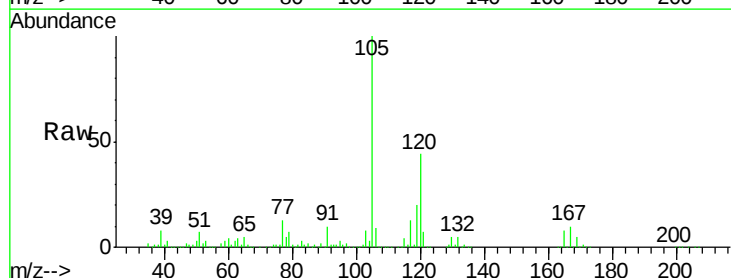
Acq: 15 Apr 2019 11:35

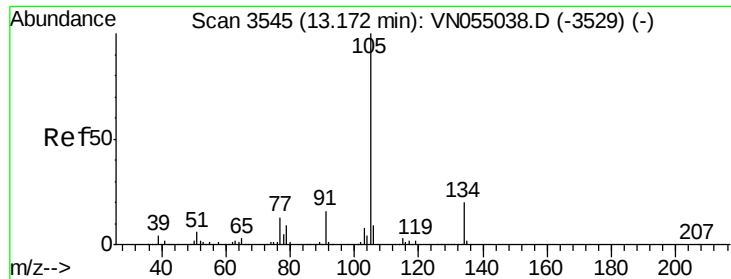
Tgt Ion:105 Resp: 1734874

Ion Ratio Lower Upper

105 100

120 44.6 22.4 67.3





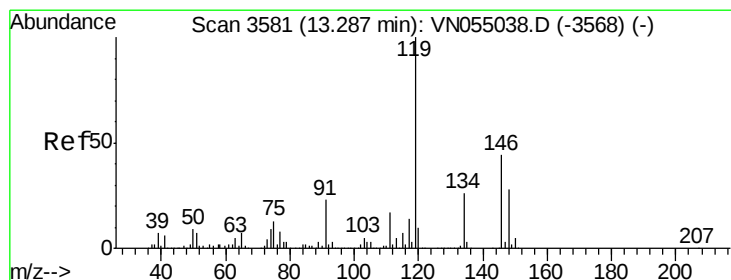
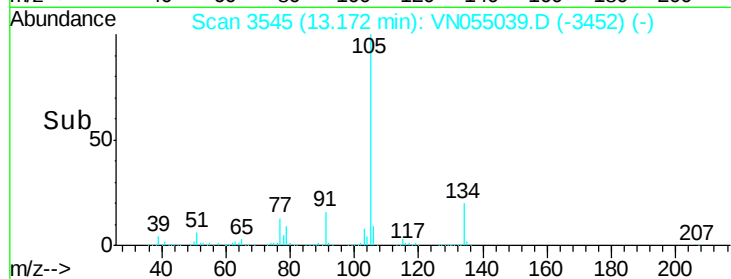
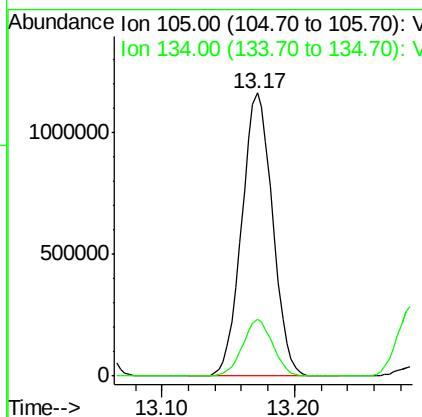
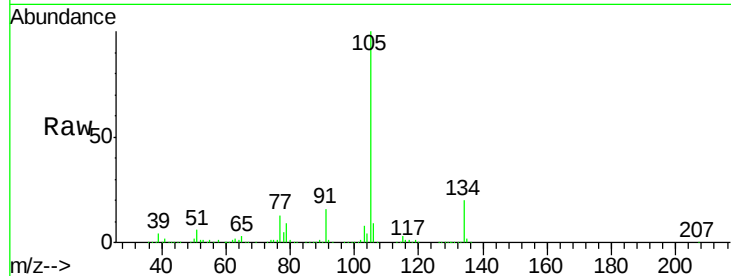
#85
 sec-Butylbenzene
 Concen: 89.313 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN055039.D
 Acq: 15 Apr 2019 11:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion:105 Resp: 1872176
 Ion Ratio Lower Upper
 105 100
 134 19.7 9.8 29.3

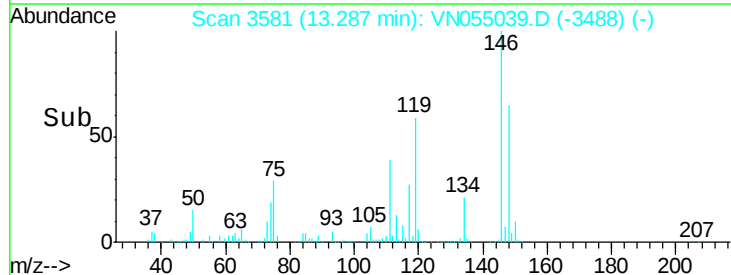
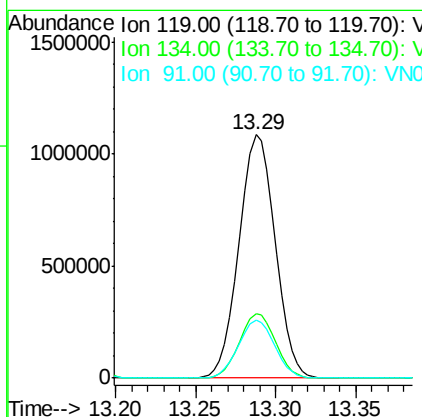
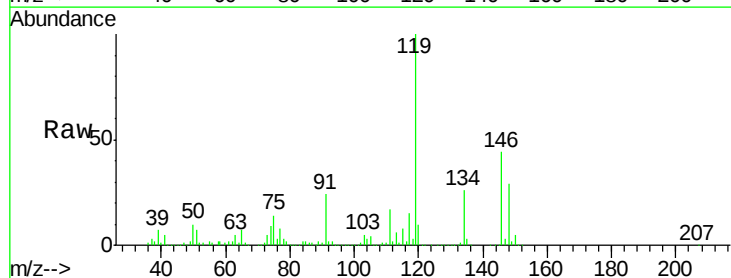
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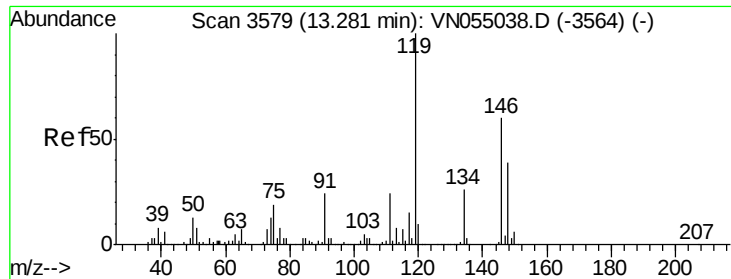
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#86
 p-Isopropyltoluene
 Concen: 91.502 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN055039.D
 Acq: 15 Apr 2019 11:35

Tgt Ion:119 Resp: 1668366
 Ion Ratio Lower Upper
 119 100
 134 26.5 13.2 39.5
 91 23.8 11.7 35.1





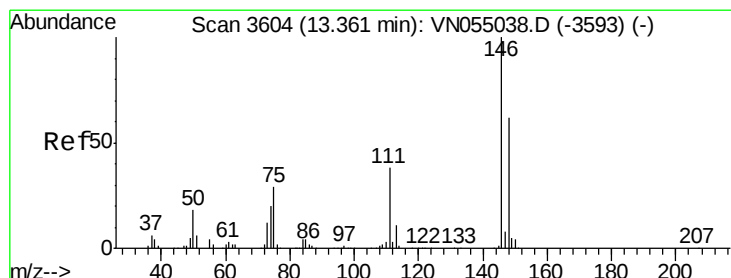
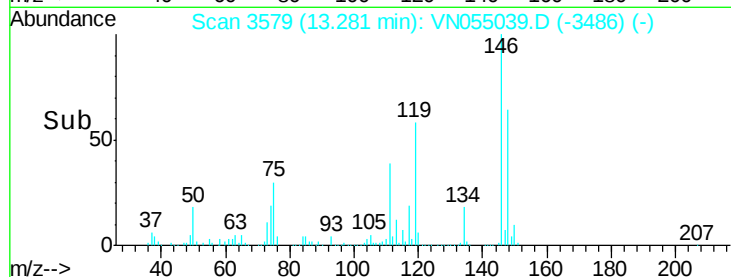
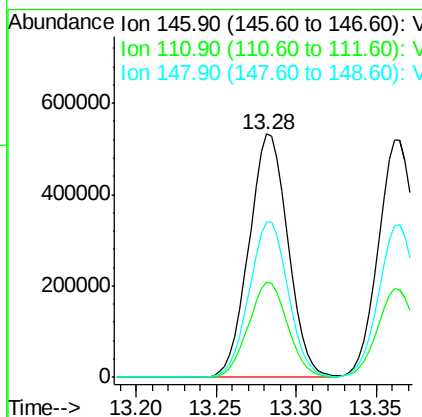
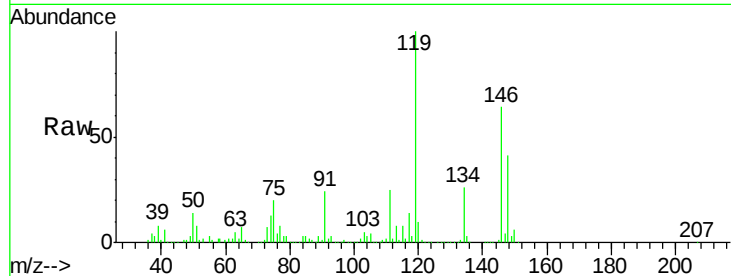
#87
 1,3-Dichlorobenzene
 Concen: 95.101 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055039.D
 Acq: 15 Apr 2019 11:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.5	58.5
148	63.9	31.6	94.7

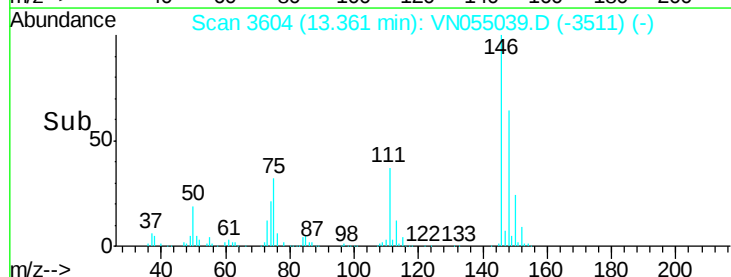
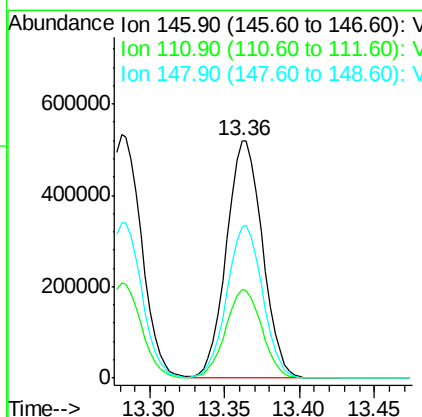
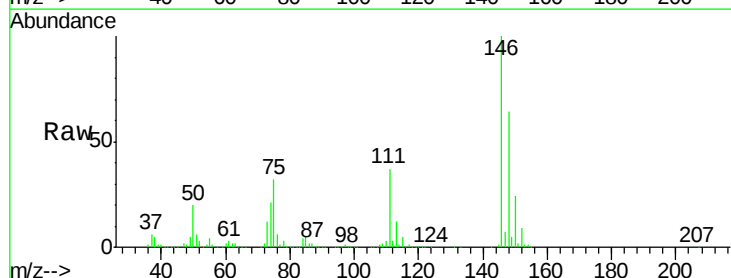
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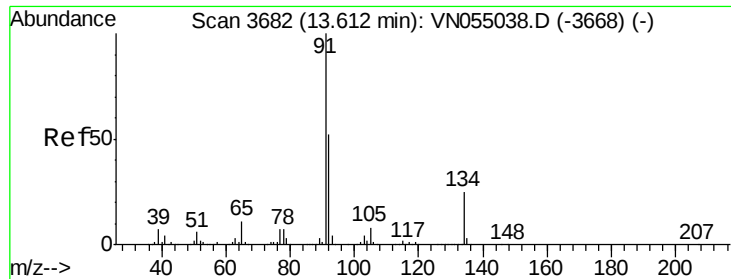
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#88
 1,4-Dichlorobenzene
 Concen: 97.010 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN055039.D
 Acq: 15 Apr 2019 11:35

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.4	18.8	56.4
148	63.7	32.4	97.2





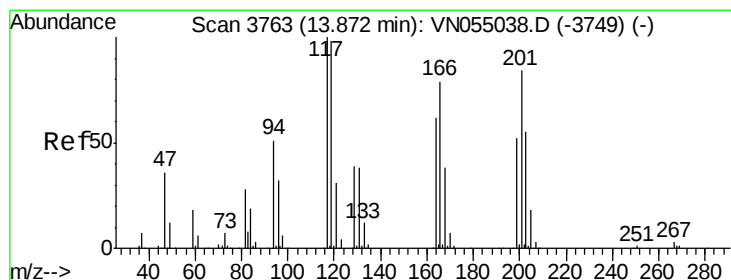
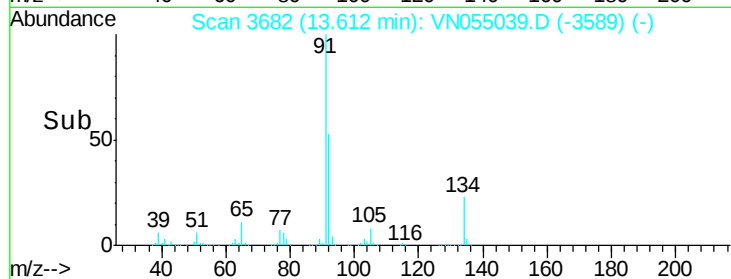
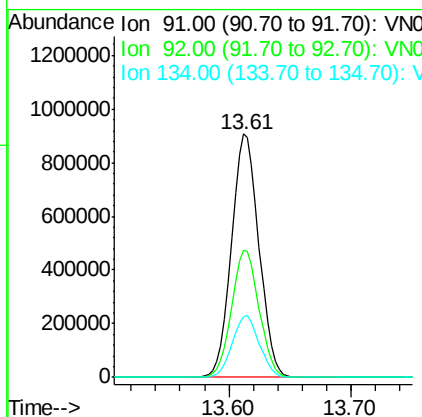
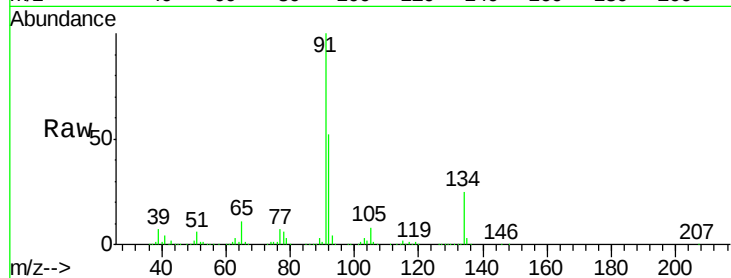
#89
n-Butylbenzene
Concen: 98.812 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055039.D
Acq: 15 Apr 2019 11:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 1414983
Ion Ratio Lower Upper
91 100
92 52.3 25.9 77.7
134 25.1 12.8 38.3

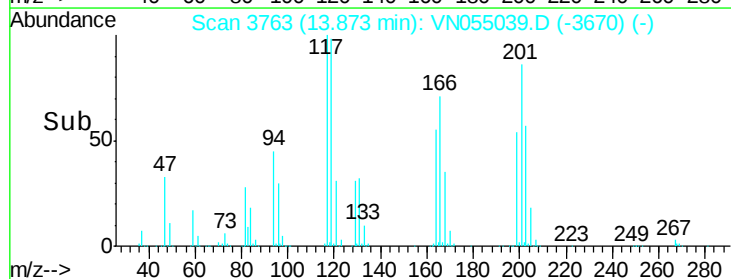
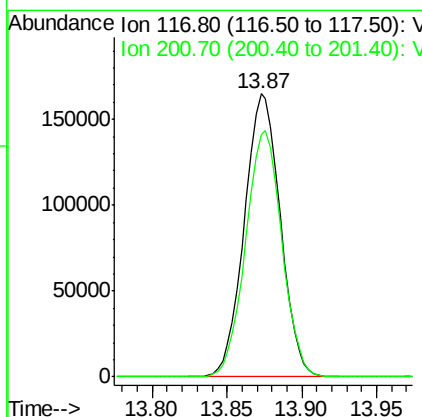
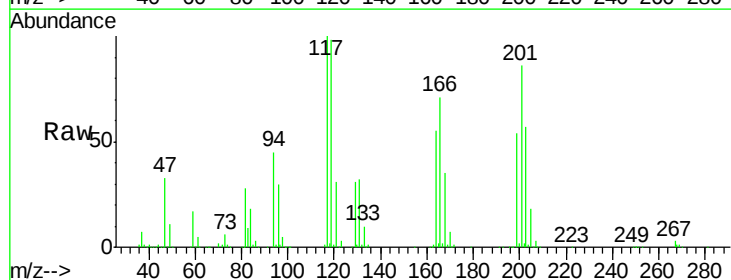
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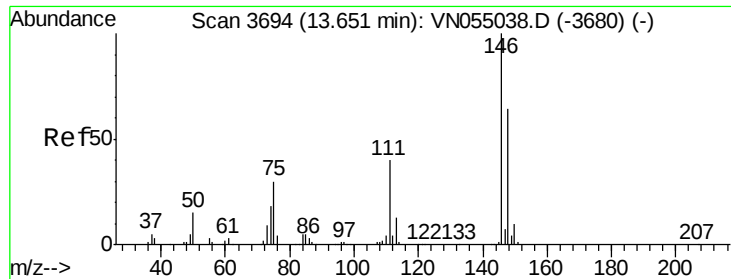
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#90
Hexachloroethane
Concen: 91.806 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055039.D
Acq: 15 Apr 2019 11:35

Tgt Ion: 117 Resp: 276598
Ion Ratio Lower Upper
117 100
201 87.2 43.4 130.2





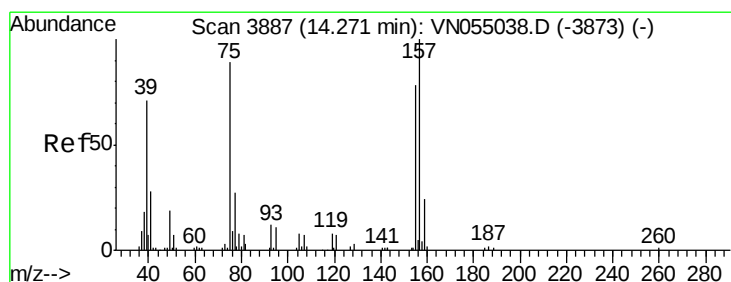
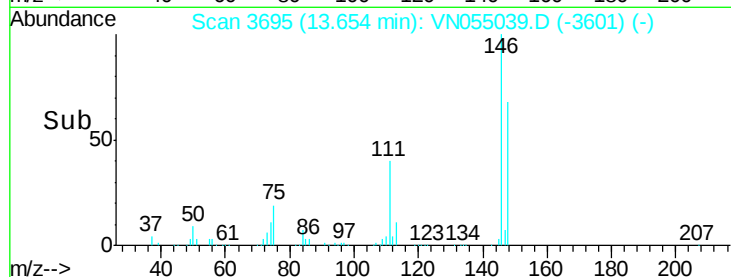
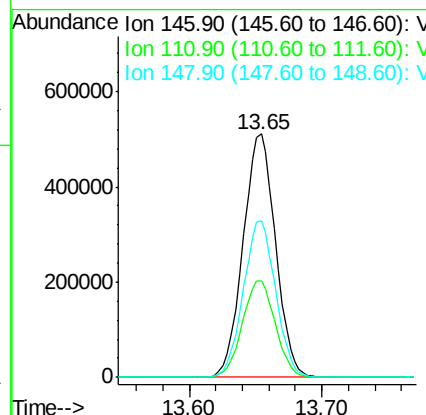
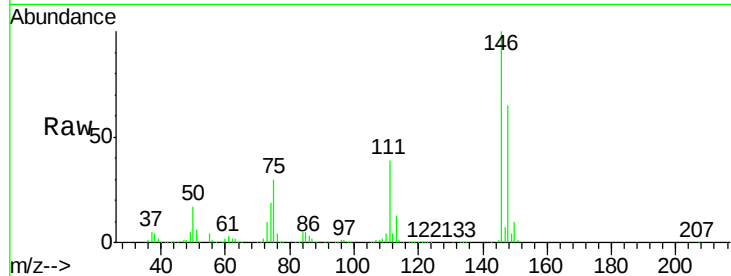
#91
 1,2-Dichlorobenzene
 Concen: 94.976 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN055039.D
 Acq: 15 Apr 2019 11:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.3	60.9
148	64.2	32.2	96.6

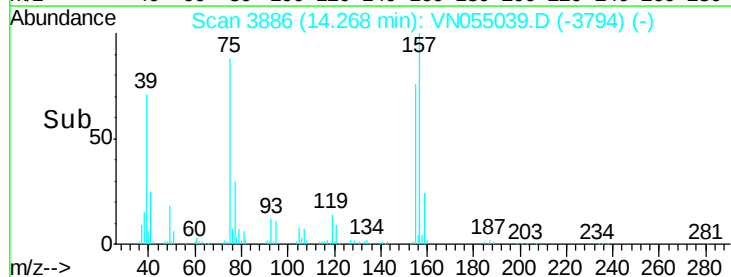
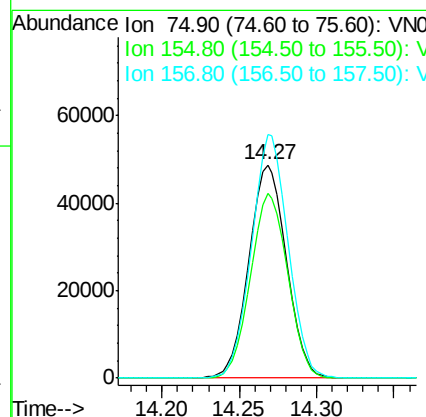
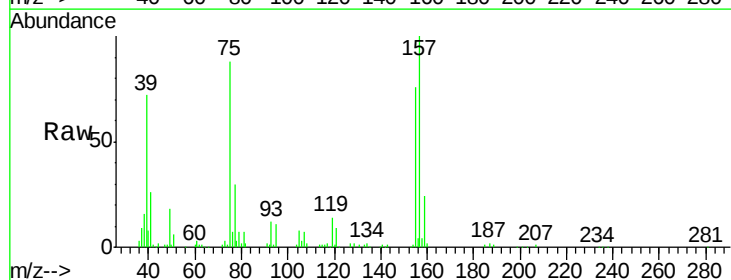
Manual Integrations
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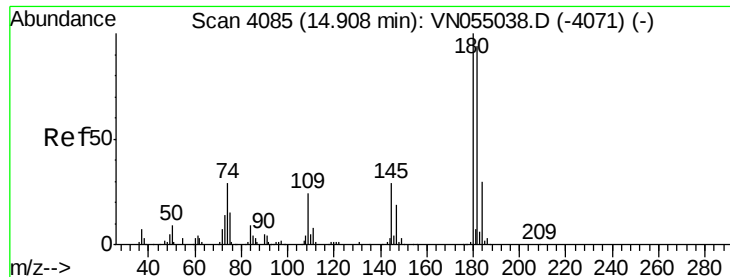
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 103.952 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN055039.D
 Acq: 15 Apr 2019 11:35

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.8	42.0	126.0
157	111.4	52.1	156.4





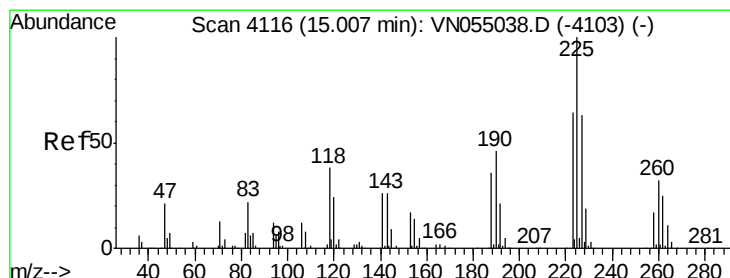
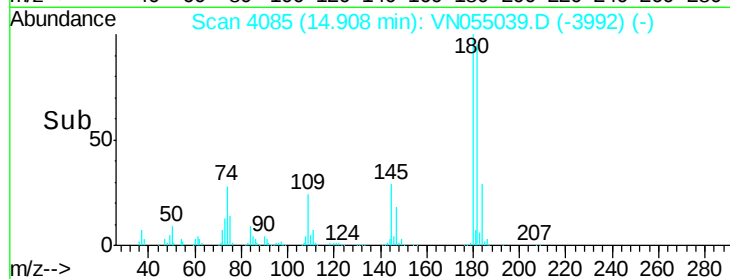
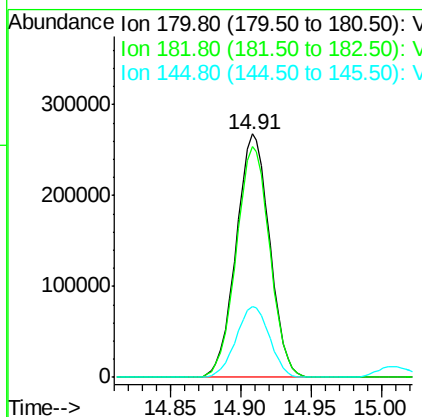
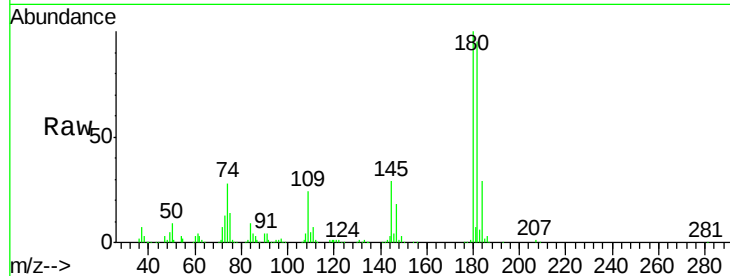
#93
 1,2,4-Trichlorobenzene
 Concen: 115.576 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055039.D
 Acq: 15 Apr 2019 11:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100	444339		
182	95.2	47.5	142.6	
145	29.4	14.2	42.8	

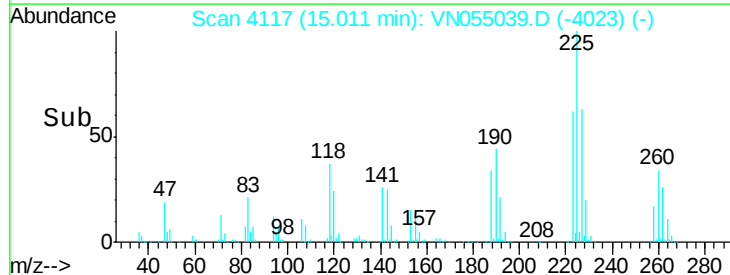
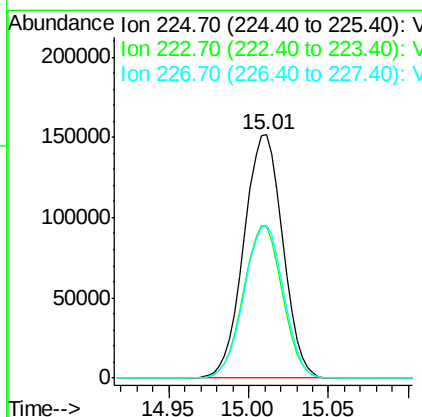
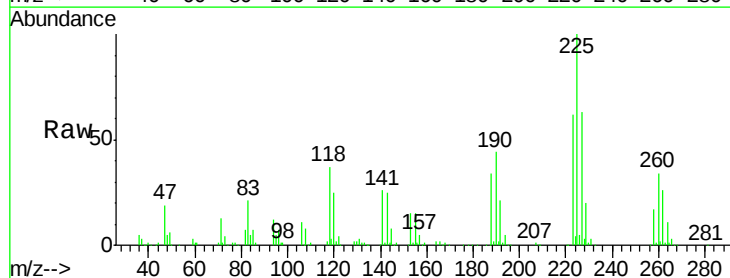
Manual Integrations
 APPROVED

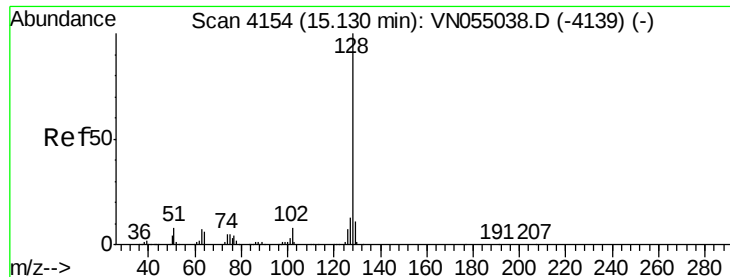
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 4/17/2019 1:49:12 PM



#94
 Hexachlorobutadiene
 Concen: 79.124 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN055039.D
 Acq: 15 Apr 2019 11:35

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	251769		
223	62.7	31.4	94.0	
227	63.6	32.6	97.7	





#95

Naphthalene

Concen: 116.623 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN055039.D

Acq: 15 Apr 2019 11:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tot Ion:128 Resp: 1049398

Ion Ratio Lower Upper

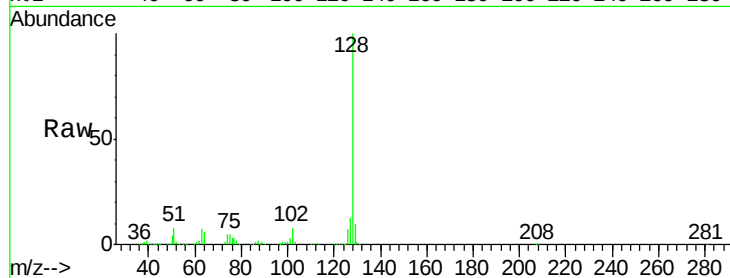
128 100

127 12.9 10.1 15.1

129 10.5 8.8 13.2

Manual Integrations
APPROVED

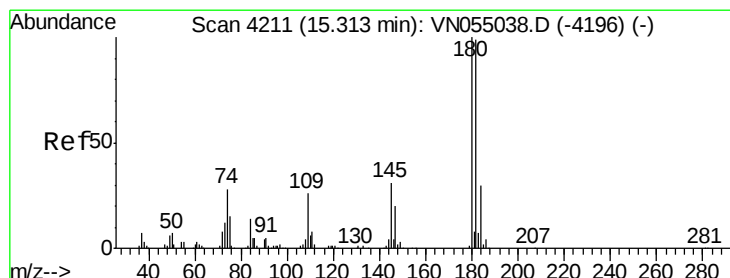
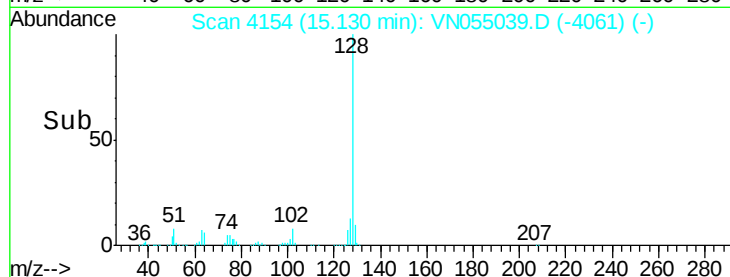
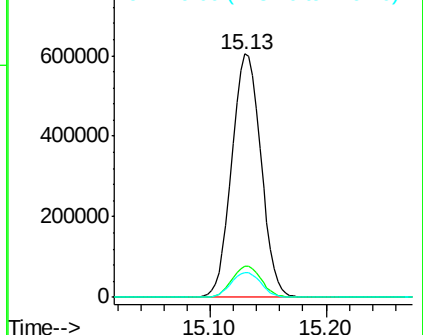
MMDadoda
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Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 104.816 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055039.D

Acq: 15 Apr 2019 11:35

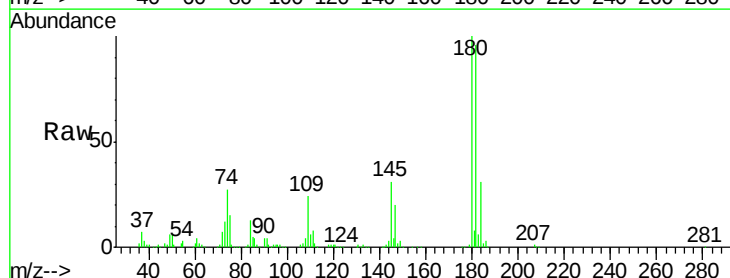
Tgt Ion:180 Resp: 431674

Ion Ratio Lower Upper

180 100

182 95.5 48.0 144.0

145 30.3 15.3 45.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

