

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041519\
 Data File : VN055058.D
 Acq On : 15 Apr 2019 22:12
 Operator : JC/SP
 Sample : VN0415WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0415WBSD01

Manual Integrations
 APPROVED

MMDadoda
 4/17/2019 10:06:14 AM

Quant Time: Apr 16 07:10:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041519W.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 15 12:28:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	393239	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	655542	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	571669	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	226767	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	266410	50.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.94%	
35) Dibromofluoromethane	7.59	113	216988	49.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.06%	
50) Toluene-d8	10.09	98	799506	50.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.98%	
62) 4-Bromofluorobenzene	12.40	95	259573	50.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	90440	20.237	ug/l	98
3) Chloromethane	2.06	50	118679	20.361	ug/l	97
4) Vinyl Chloride	2.19	62	96236	19.643	ug/l	100
5) Bromomethane	2.55	94	54998	19.843	ug/l	96
6) Chloroethane	2.70	64	53989	20.434	ug/l	97
7) Trichlorofluoromethane	3.02	101	123853	20.214	ug/l	96
8) Diethyl Ether	3.41	74	40211	20.559	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.75	101	63580	19.828	ug/l	98
10) Methyl Iodide	3.94	142	92734	18.636	ug/l	100
11) Tert butyl alcohol	4.82	59	25705	89.715	ug/l #	89
12) 1,1-Dichloroethene	3.73	96	60302	19.320	ug/l	98
13) Acrolein	3.60	56	31456	88.821	ug/l	95
14) Allyl chloride	4.31	41	151555	19.837	ug/l	100
15) Acrylonitrile	4.99	53	172477	100.615	ug/l	100
16) Acetone	3.82	43	111948	78.907	ug/l	99
17) Carbon Disulfide	4.04	76	186440	18.505	ug/l	99
18) Methyl Acetate	4.33	43	86295	20.849	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	227070	20.338	ug/l	100
20) Methylene Chloride	4.54	84	97283	19.506	ug/l	98
21) trans-1,2-Dichloroethene	5.03	96	83371	19.750	ug/l	94
22) Diisopropyl ether	5.96	45	322224	20.517	ug/l	95
23) Vinyl Acetate	5.90	43	1082039	104.232	ug/l	100
24) 1,1-Dichloroethane	5.84	63	169669	20.287	ug/l	99
25) 2-Butanone	6.84	43	199811	94.364	ug/l	99
26) 2,2-Dichloropropane	6.82	77	94910	17.980	ug/l	99
27) cis-1,2-Dichloroethene	6.82	96	97450	20.405	ug/l	98
28) Bromochloromethane	7.19	49	82626	20.494	ug/l	98
29) Tetrahydrofuran	7.22	42	139220	100.263	ug/l	99
30) Chloroform	7.37	83	163506	20.127	ug/l	100
31) Cyclohexane	7.65	56	153577	20.021	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	130061	20.207	ug/l	98
36) 1,1-Dichloropropene	7.79	75	119337	19.311	ug/l	99
37) Ethyl Acetate	6.94	43	86783	17.250	ug/l	99
38) Carbon Tetrachloride	7.77	117	108081	18.383	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	124689	18.620	ug/l	98
40) Benzene	8.04	78	361457	19.407	ug/l	99
41) Methacrylonitrile	7.17	41	49621	17.768	ug/l	96
42) 1,2-Dichloroethane	8.12	62	126705	19.594	ug/l	100
43) Isopropyl Acetate	8.17	43	150423	19.404	ug/l	98
44) Trichloroethene	8.83	130	92197	19.763	ug/l	98
45) 1,2-Dichloropropane	9.12	63	105667	20.343	ug/l	98
46) Dibromomethane	9.21	93	57609	19.485	ug/l	98
47) Bromodichloromethane	9.40	83	117758	19.319	ug/l	98
48) Methyl methacrylate	9.20	41	74067	19.276	ug/l	99
49) 1,4-Dioxane	9.20	88	13037	362.154	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	438579	97.928	ug/l	98
52) Toluene	10.16	92	216801	20.324	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	100079	18.787	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	128371	19.417	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	80566	19.603	ug/l	98
56) Ethyl methacrylate	10.43	69	99922	20.259	ug/l	98
57) 1,3-Dichloropropane	10.71	76	143432	20.498	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	180383	90.426	ug/l	99
59) 2-Hexanone	10.75	43	268732	95.533	ug/l	98
60) Dibromochloromethane	10.90	129	78313	19.514	ug/l	99
61) 1,2-Dibromoethane	11.01	107	76431	20.205	ug/l	99
64) Tetrachloroethene	10.63	164	88656	19.072	ug/l	98
65) Chlorobenzene	11.43	112	225070	19.559	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	82892	19.586	ug/l	98
67) Ethyl Benzene	11.51	91	398240	19.379	ug/l	99
68) m/p-Xylenes	11.62	106	293442	39.434	ug/l	100
69) o-Xylene	11.95	106	144150	20.000	ug/l	98
70) Styrene	11.96	104	235434	20.180	ug/l	99
71) Bromoform	12.13	173	47338	19.514	ug/l #	98
73) Isopropylbenzene	12.25	105	380425	18.905	ug/l	100
74) N-amyl acetate	12.07	43	110750	19.551	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	97795	18.163	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	71670m	17.576	ug/l	
77) Bromobenzene	12.53	156	94199	18.777	ug/l	97
78) n-propylbenzene	12.59	91	416399	19.153	ug/l	100
79) 2-Chlorotoluene	12.67	91	260407	19.203	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	308496	18.997	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	18320	17.965	ug/l	98
82) 4-Chlorotoluene	12.77	91	243273	19.228	ug/l	98
83) tert-Butylbenzene	12.99	119	257640	18.786	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	301532	19.593	ug/l	100
85) sec-Butylbenzene	13.17	105	331773	18.986	ug/l	99
86) p-Isopropyltoluene	13.29	119	287892	19.203	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	146121	19.163	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	140228	19.285	ug/l	99
89) n-Butylbenzene	13.61	91	214032	19.231	ug/l	99
90) Hexachloroethane	13.87	117	44636	18.298	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	148014	19.293	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	11383	17.168	ug/l	88

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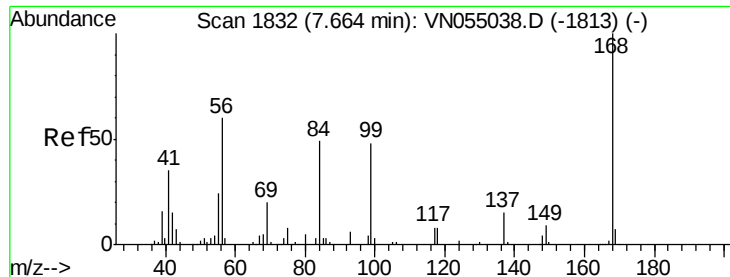
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	57454	18.313	ug/l	96
94) Hexachlorobutadiene	15.01	225	44434	18.751	ug/l	98
95) Naphthalene	15.13	128	127768	17.817	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	59070	19.958	ug/l	97

(#) = 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: VN055058.D

Acq: 15 Apr 2019 22:12

Instrument :

MSVOA_N

ClientSampleId :

VN0415WBSD01

Tot Ion:168 Resp: 393239

Ion Ratio Lower Upper

168 100

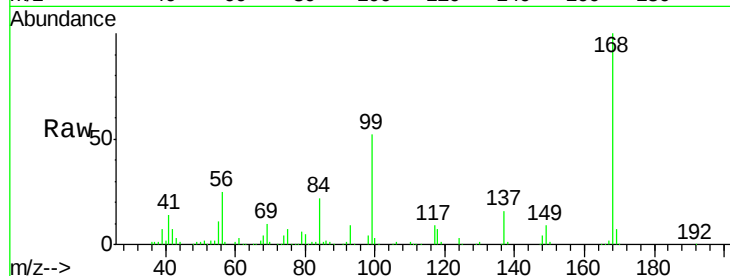
99 50.2 41.9 62.9

Manual Integrations

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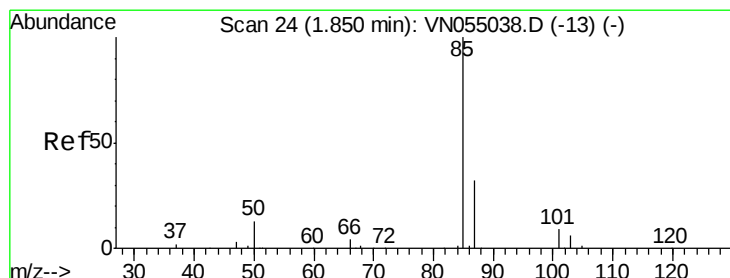
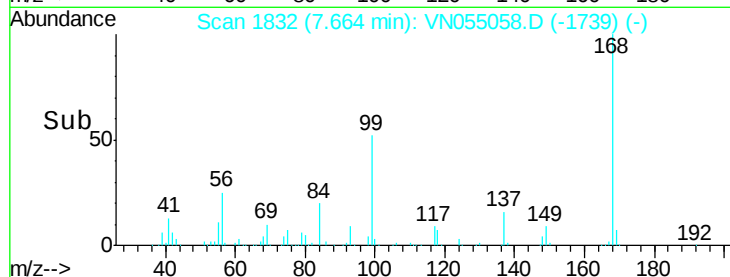
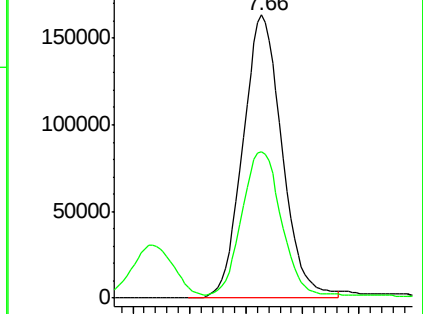
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 20.237 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN055058.D

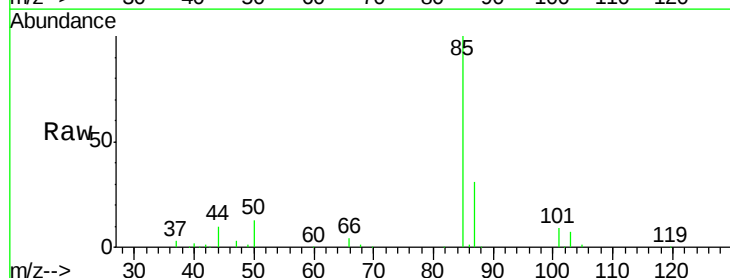
Acq: 15 Apr 2019 22:12

Tgt Ion: 85 Resp: 90440

Ion Ratio Lower Upper

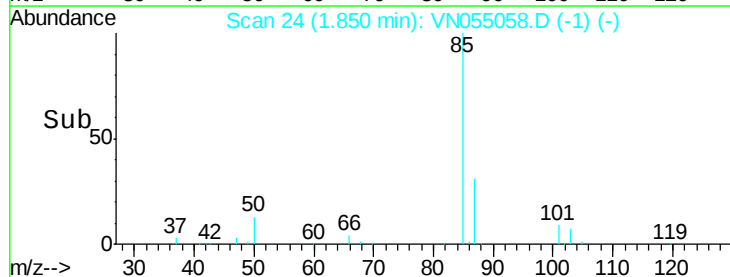
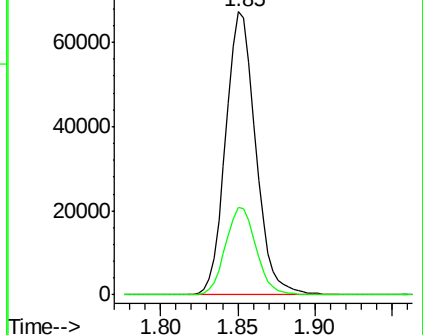
85 100

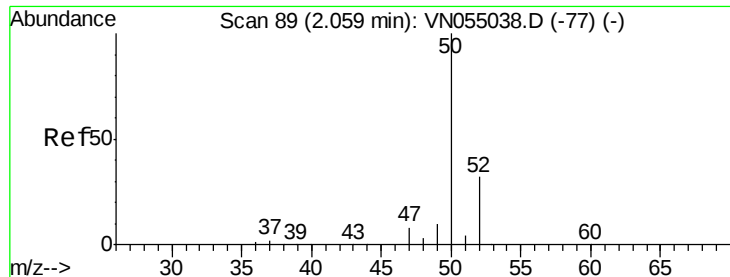
87 30.8 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 20.361 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN055058.D

Acq: 15 Apr 2019 22:12

Instrument :

MSVOA_N

ClientSampleId :

VN0415WBSD01

Tot Ion: 50 Resp: 118679

Ion Ratio Lower Upper

50 100

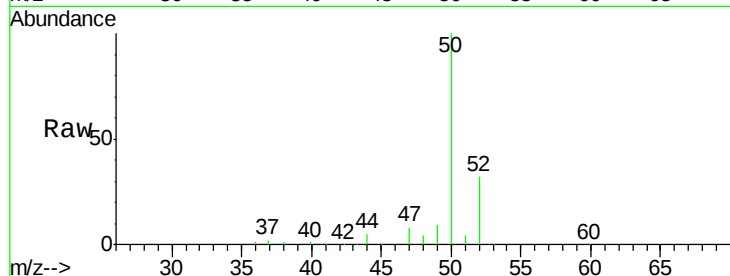
52 31.6 26.6 40.0

Manual Integrations

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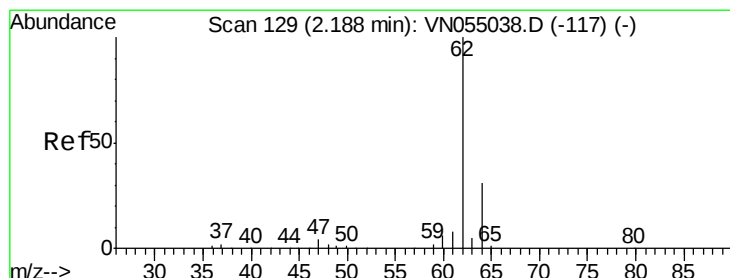
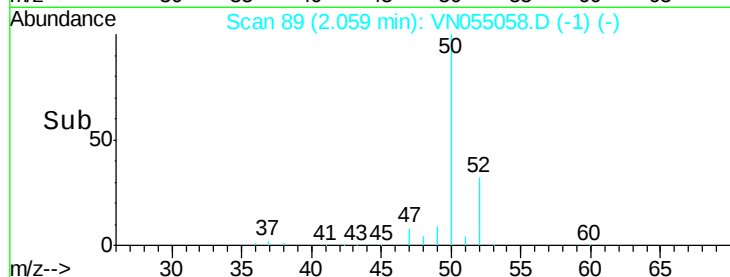
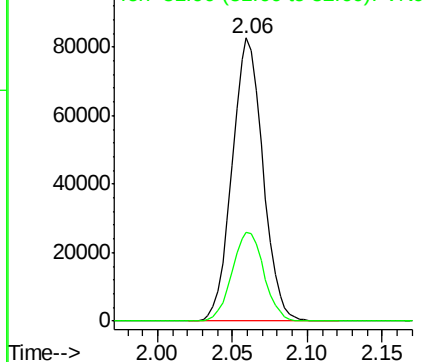
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 19.643 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN055058.D

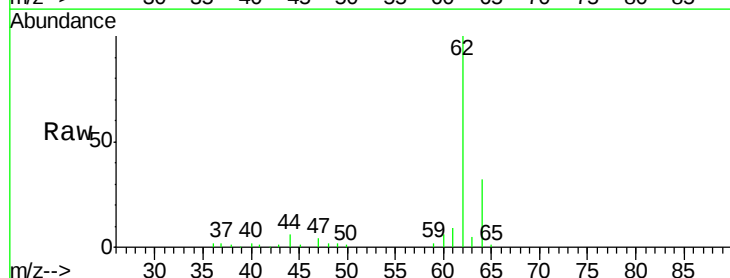
Acq: 15 Apr 2019 22:12

Tgt Ion: 62 Resp: 96236

Ion Ratio Lower Upper

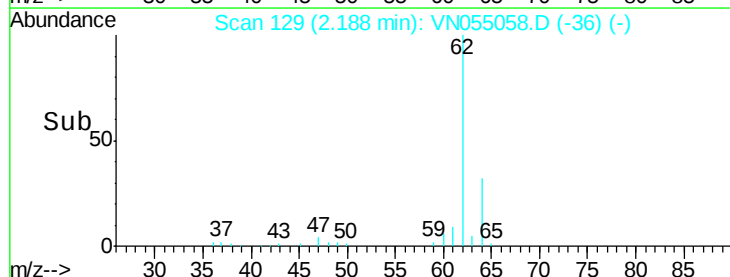
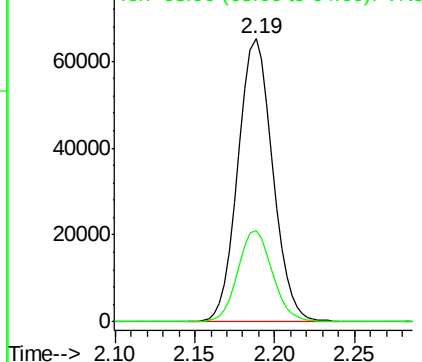
62 100

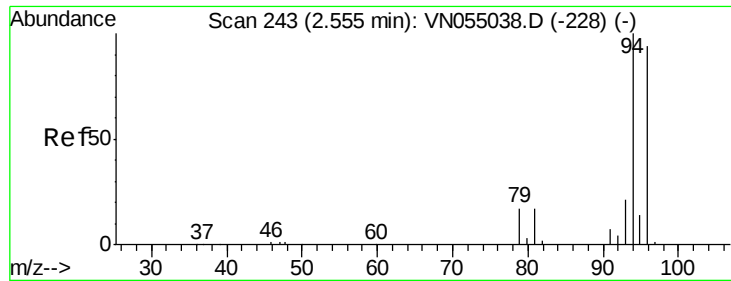
64 32.4 25.8 38.6



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 19.843 ug/l

RT: 2.55 min Scan# 243

Delta R.T. -0.00 min

Lab File: VN055058.D

Acq: 15 Apr 2019 22:12

Instrument :

MSVOA_N

ClientSampleId :

VN0415WBSD01

Tot Ion: 94 Resp: 54998

Ion Ratio Lower Upper

94 100

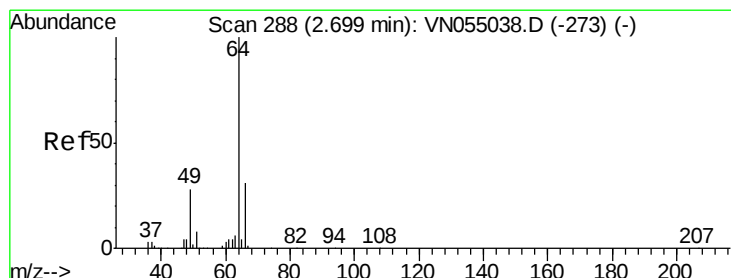
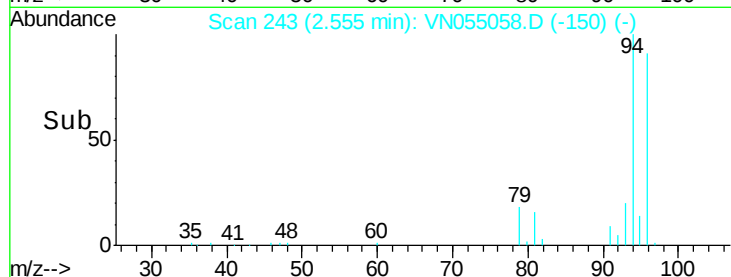
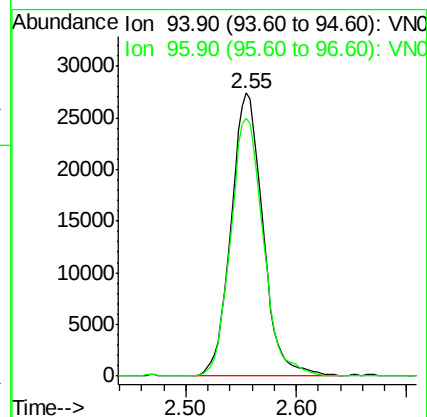
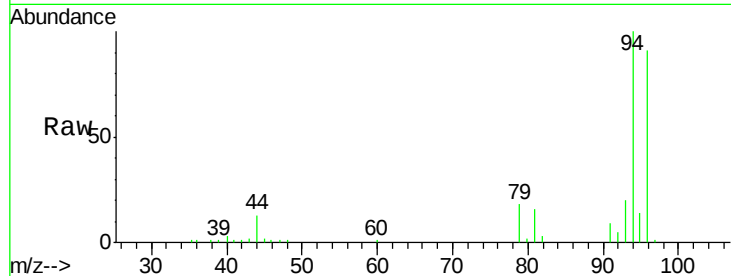
96 91.0 76.2 114.4

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#6

Chloroethane

Concen: 20.434 ug/l

RT: 2.70 min Scan# 288

Delta R.T. -0.00 min

Lab File: VN055058.D

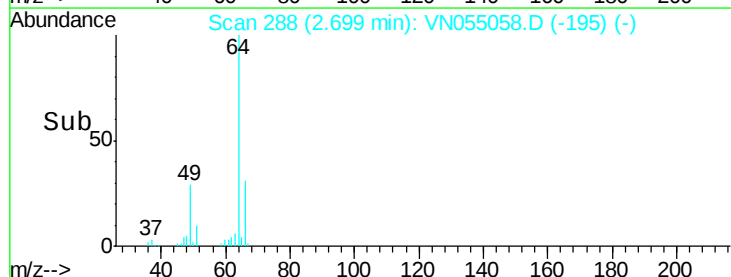
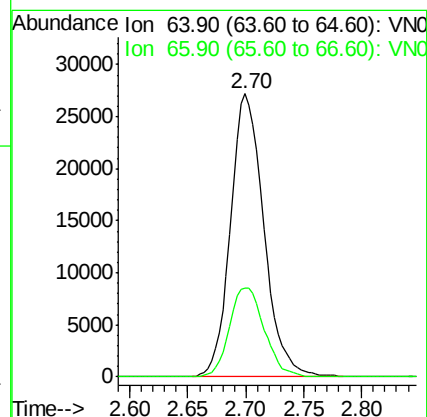
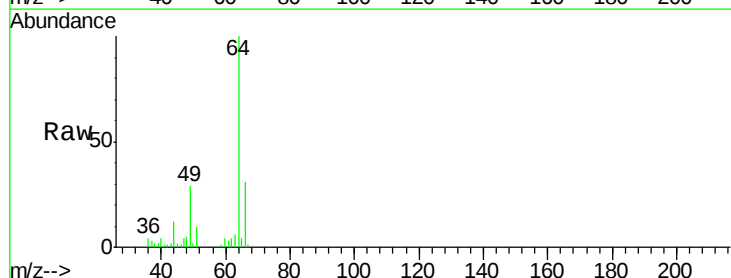
Acq: 15 Apr 2019 22:12

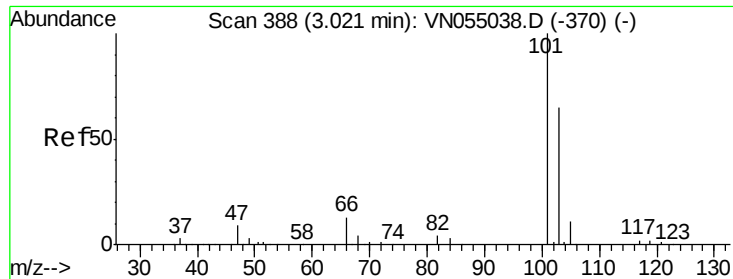
Tgt Ion: 64 Resp: 53989

Ion Ratio Lower Upper

64 100

66 31.3 26.6 40.0





#7

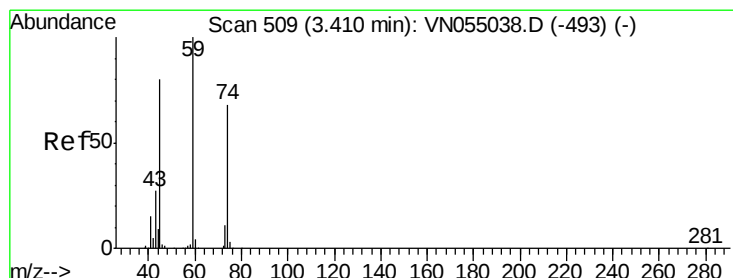
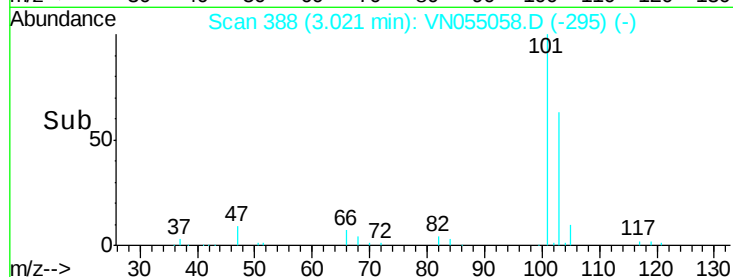
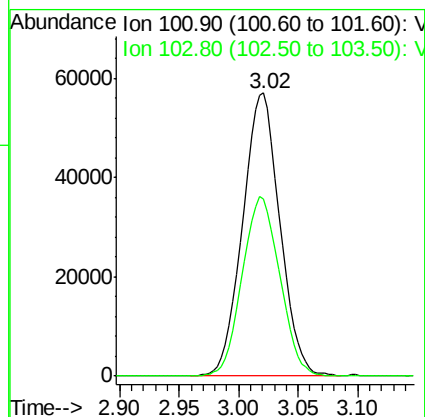
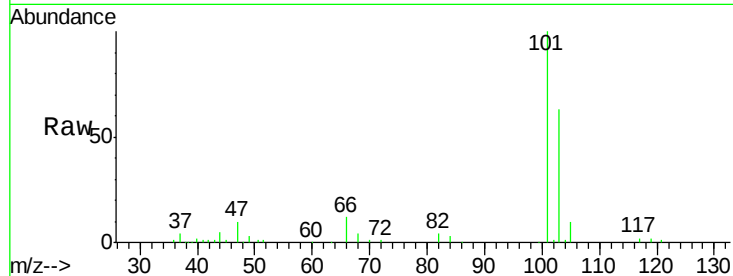
Trichlorofluoromethane
 Concen: 20.214 ug/l
 RT: 3.02 min Scan# 388
 Delta R.T. -0.00 min
 Lab File: VN055058.D
 Acq: 15 Apr 2019 22:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0415WBSD01

Tot Ion:101 Resp: 123853
 Ion Ratio Lower Upper
 101 100
 103 62.7 52.5 78.7

Manual Integrations
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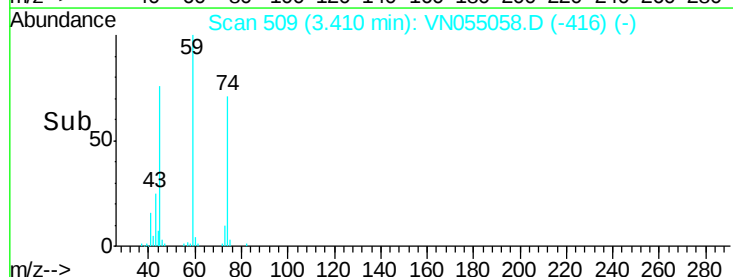
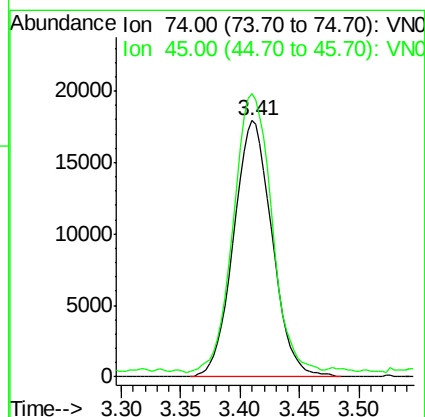
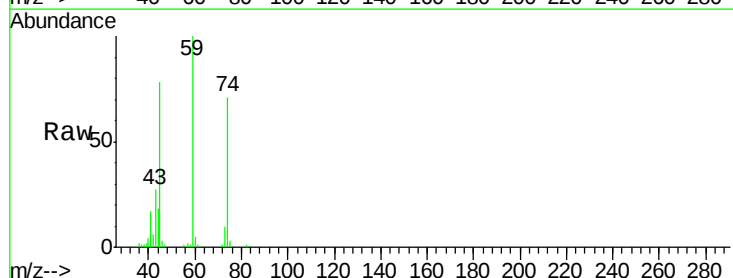
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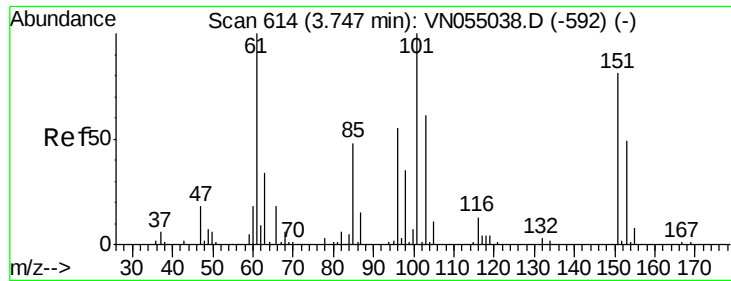


#8

Diethyl Ether
 Concen: 20.559 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN055058.D
 Acq: 15 Apr 2019 22:12

Tgt Ion: 74 Resp: 40211
 Ion Ratio Lower Upper
 74 100
 45 108.1 55.7 167.1





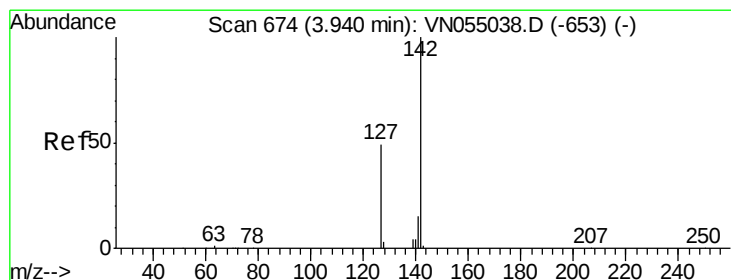
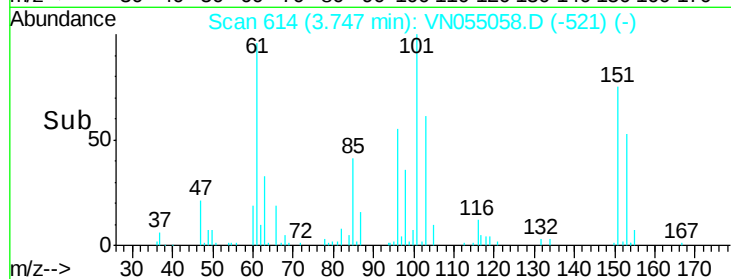
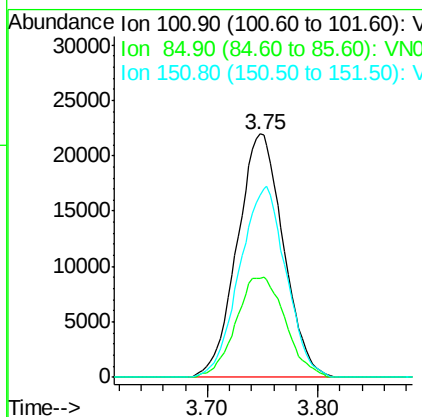
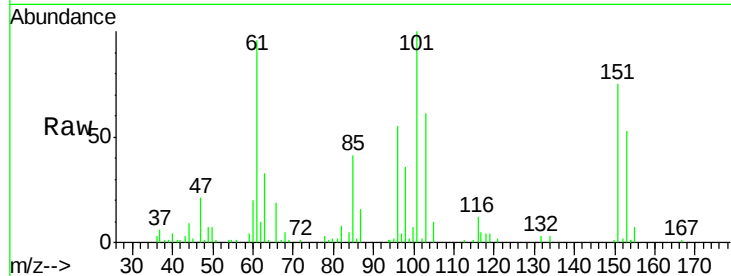
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 19.828 ug/l
 RT: 3.75 min Scan# 614
 Delta R.T. -0.00 min
 Lab File: VN055058.D
 Acq: 15 Apr 2019 22:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0415WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
85	43.9	36.9	55.3
151	78.9	64.4	96.6

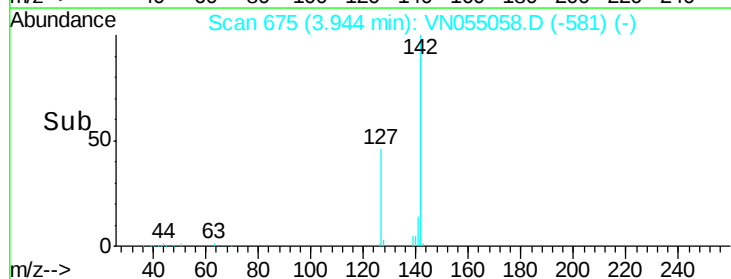
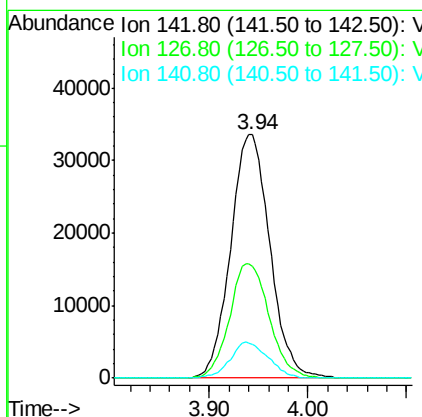
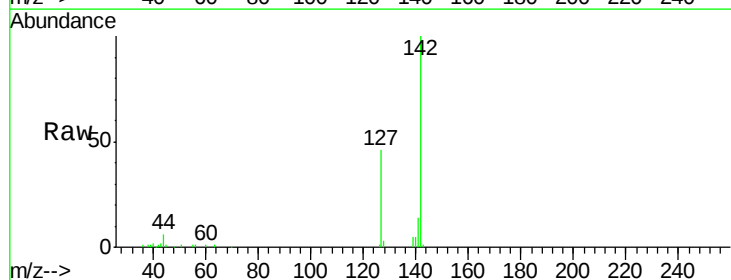
Manual Integrations
 APPROVED

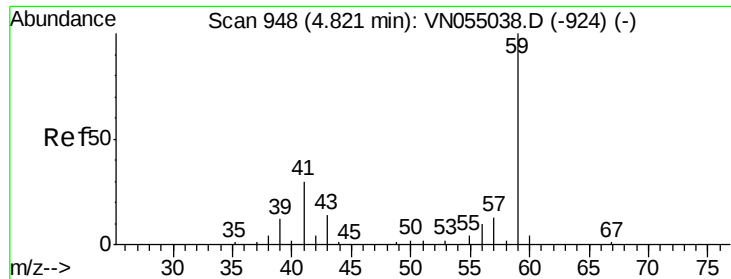
MMDadoda
 4/17/2019 10:06:14 AM



#10
 Methyl Iodide
 Concen: 18.636 ug/l
 RT: 3.94 min Scan# 675
 Delta R.T. 0.00 min
 Lab File: VN055058.D
 Acq: 15 Apr 2019 22:12

Tgt Ion	Ratio	Lower	Upper
142	100		
127	47.4	37.9	56.9
141	14.2	11.8	17.8





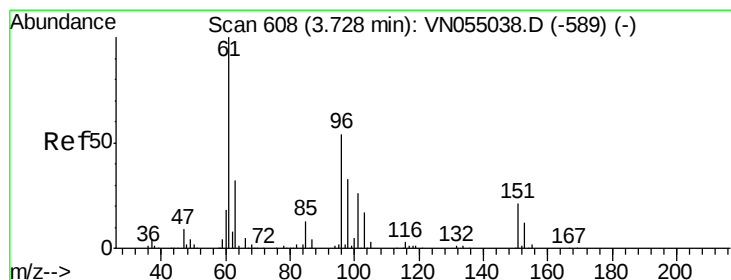
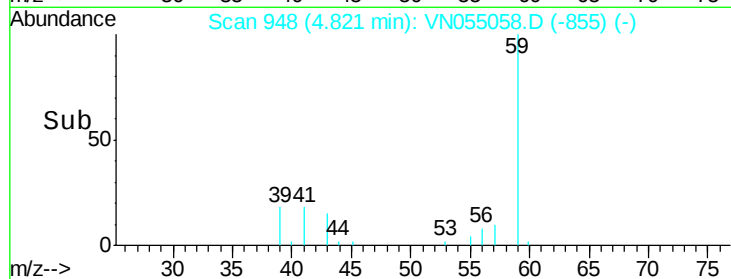
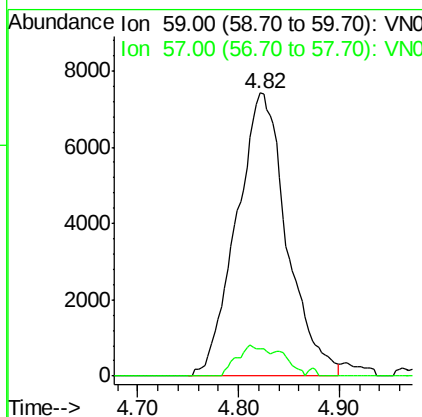
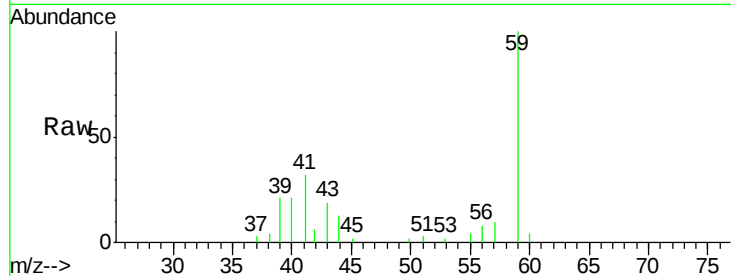
#11
Tert butyl alcohol
Concen: 89.715 ug/l
RT: 4.82 min Scan# 948
Delta R.T. -0.00 min
Lab File: VN055058.D
Acq: 15 Apr 2019 22:12

Instrument :
MSVOA_N
ClientSampleId :
VN0415WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
59	100	25705		
57	6.4	8.3	12.5#	

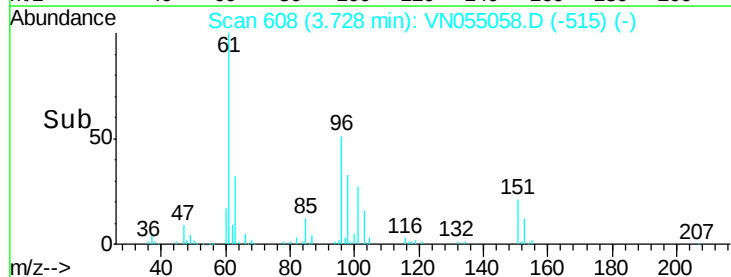
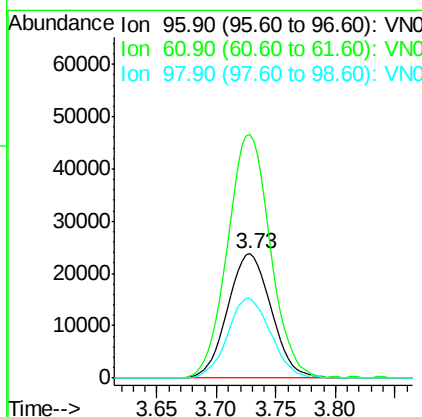
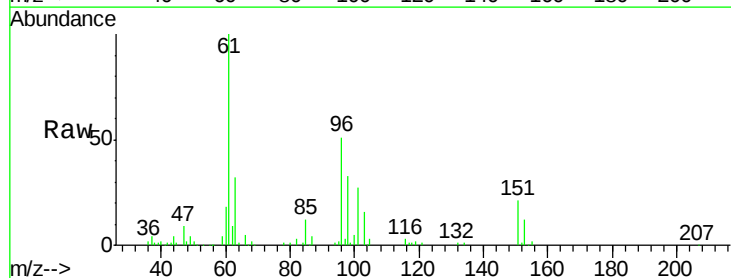
Manual Integrations
APPROVED

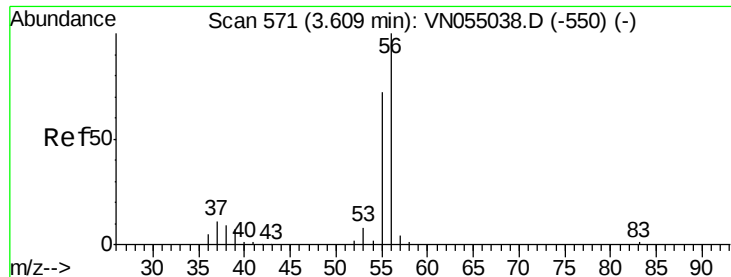
MMDadoda
4/17/2019 10:06:14 AM



#12
1,1-Dichloroethene
Concen: 19.320 ug/l
RT: 3.73 min Scan# 608
Delta R.T. -0.00 min
Lab File: VN055058.D
Acq: 15 Apr 2019 22:12

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	60302		
61	195.0	154.2	231.4	
98	64.3	52.9	79.3	





#13

Acrolein

Concen: 88.821 ug/l

RT: 3.60 min Scan# 569

Delta R.T. -0.01 min

Lab File: VN055058.D

Acq: 15 Apr 2019 22:12

Instrument :

MSVOA_N

ClientSampleId :

VN0415WBSD01

Tot Ion: 56 Resp: 31456

Ion Ratio Lower Upper

56 100

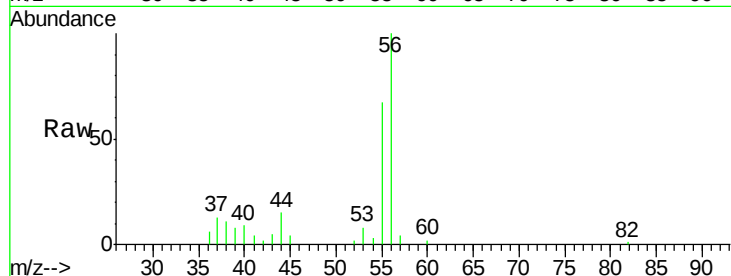
55 69.9 59.5 89.3

Manual Integrations

APPROVED

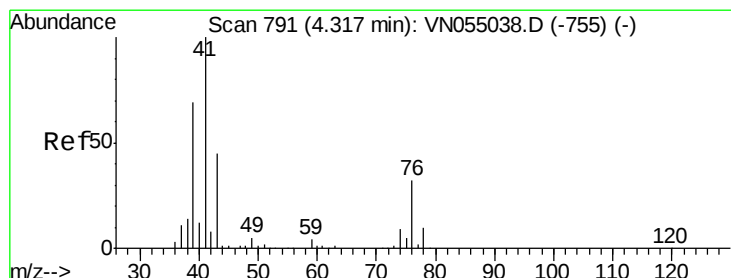
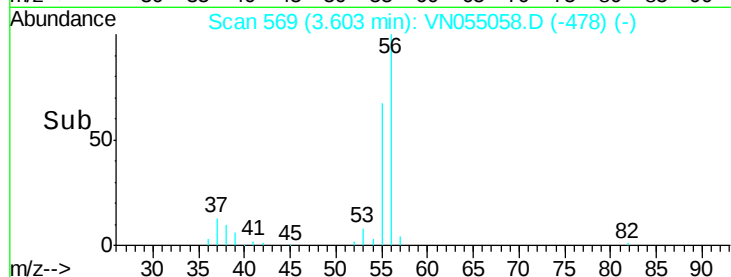
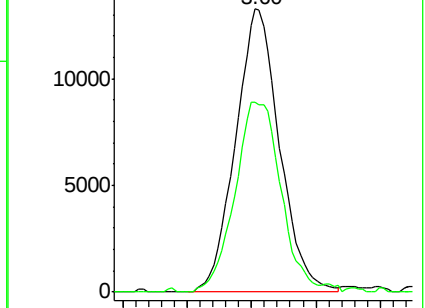
MMDadoda

4/17/2019 10:06:14 AM



Abundance Ion 56.00 (55.70 to 56.70): VN055058.D (-550) (-)

Ion 55.00 (54.70 to 55.70): VN055058.D (-550) (-)



#14

Allyl chloride

Concen: 19.837 ug/l

RT: 4.31 min Scan# 790

Delta R.T. -0.00 min

Lab File: VN055058.D

Acq: 15 Apr 2019 22:12

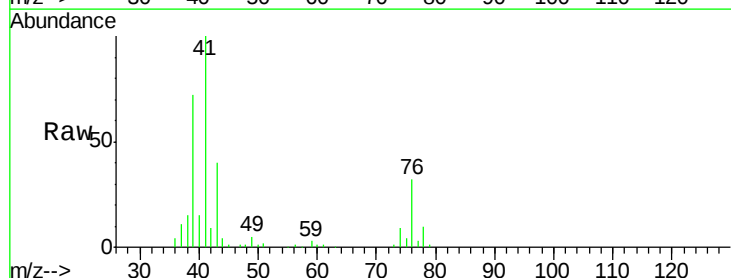
Tgt Ion: 41 Resp: 151555

Ion Ratio Lower Upper

41 100

39 65.5 52.7 79.1

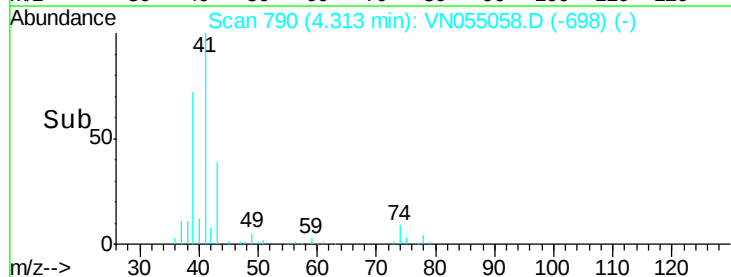
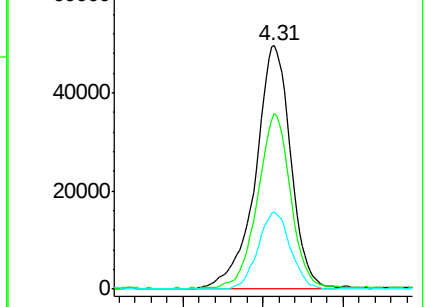
76 29.0 23.2 34.8

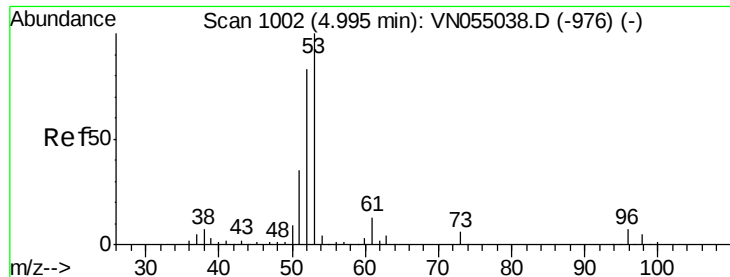


Abundance Ion 41.00 (40.70 to 41.70): VN055058.D (-698) (-)

Ion 39.00 (38.70 to 39.70): VN055058.D (-698) (-)

Ion 75.90 (75.60 to 76.60): VN055058.D (-698) (-)





#15

Acrylonitrile

Concen: 100.615 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VN055058.D

Acq: 15 Apr 2019 22:12

Instrument :

MSVOA_N

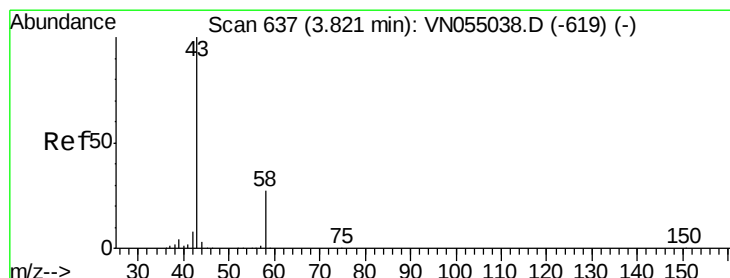
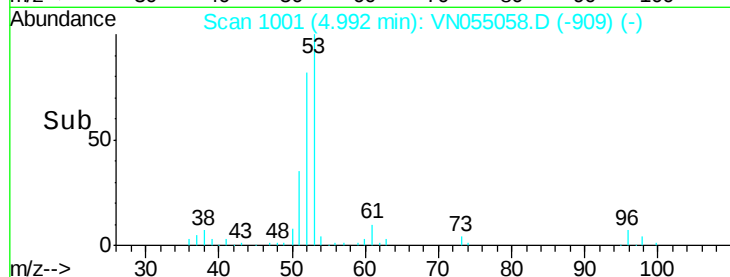
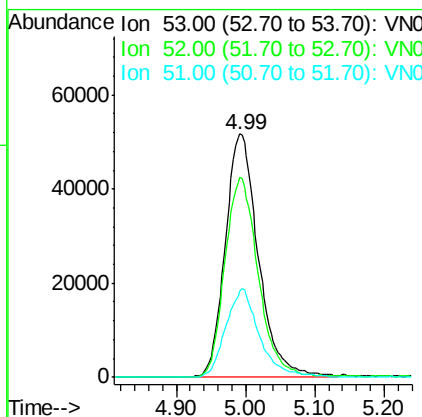
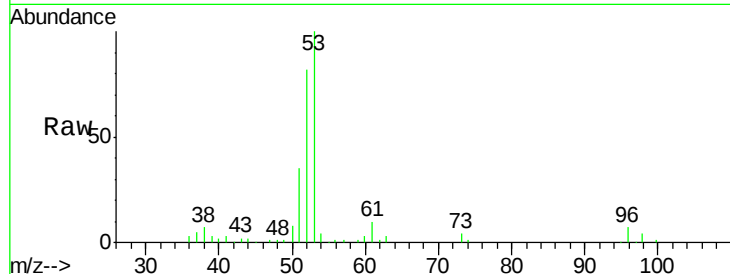
ClientSampleId :

VN0415WBSD01

Tot Ion:	53	Resp:	172477
Ion	Ratio	Lower	Upper
53	100		
52	82.2	65.9	98.9
51	36.5	29.7	44.5

Manual Integrations
APPROVED

MMDadoda
4/17/2019 10:06:14 AM



#16

Acetone

Concen: 78.907 ug/l

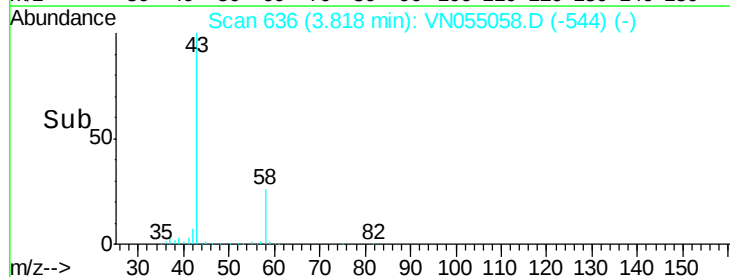
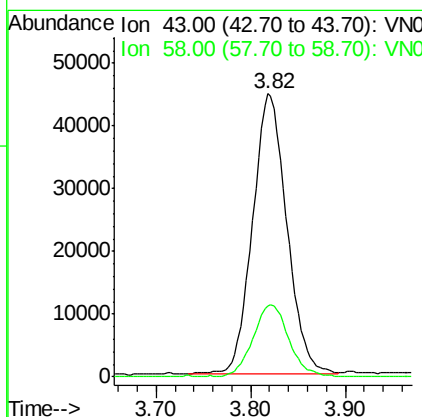
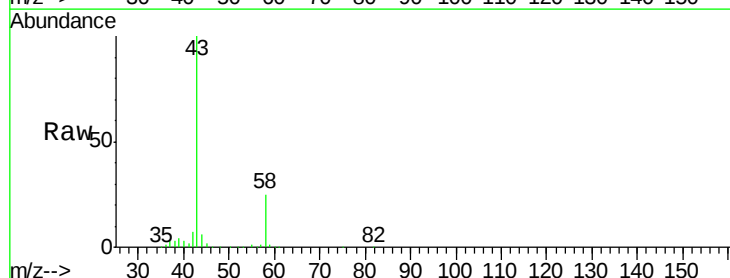
RT: 3.82 min Scan# 636

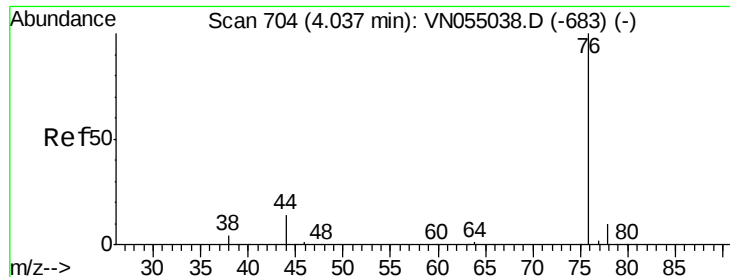
Delta R.T. -0.00 min

Lab File: VN055058.D

Acq: 15 Apr 2019 22:12

Tgt Ion:	43	Resp:	111948
Ion	Ratio	Lower	Upper
43	100		
58	25.5	20.9	31.3





#17

Carbon Disulfide

Concen: 18.505 ug/l

RT: 4.04 min Scan# 704

Delta R.T. -0.00 min

Lab File: VN055058.D

Acq: 15 Apr 2019 22:12

Instrument :

MSVOA_N

ClientSampleId :

VN0415WBSD01

Tot Ion: 76 Resp: 186440

Ion Ratio Lower Upper

76 100

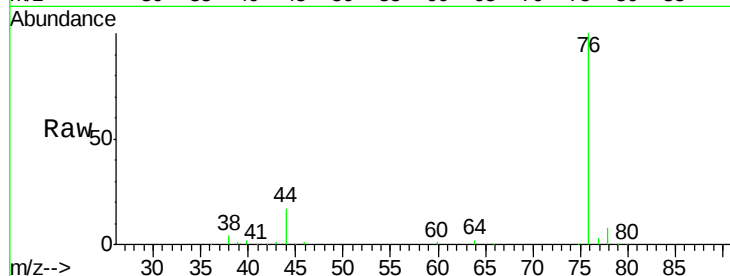
78 8.5 7.2 10.8

Manual Integrations

APPROVED

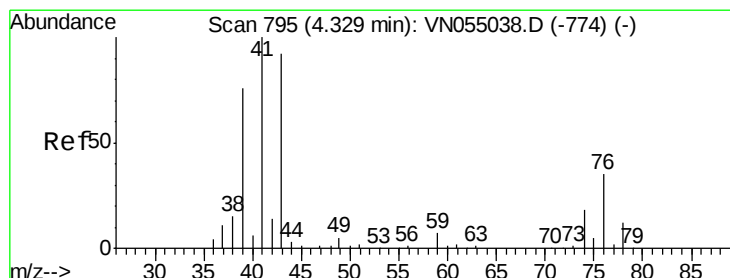
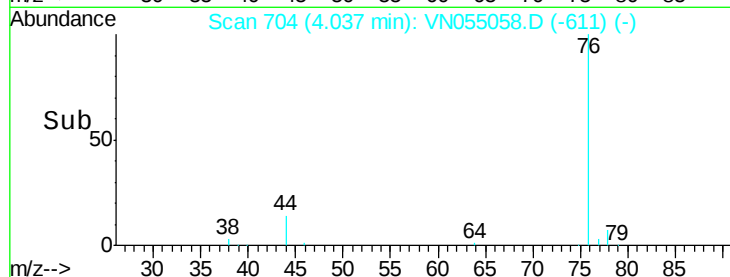
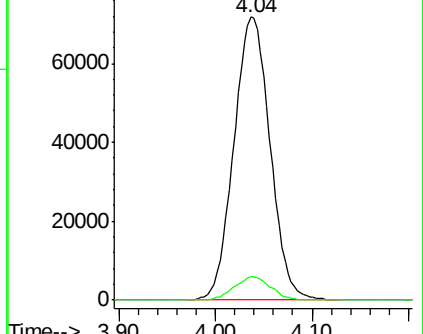
MMDadoda

4/17/2019 10:06:14 AM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 20.849 ug/l

RT: 4.33 min Scan# 796

Delta R.T. 0.00 min

Lab File: VN055058.D

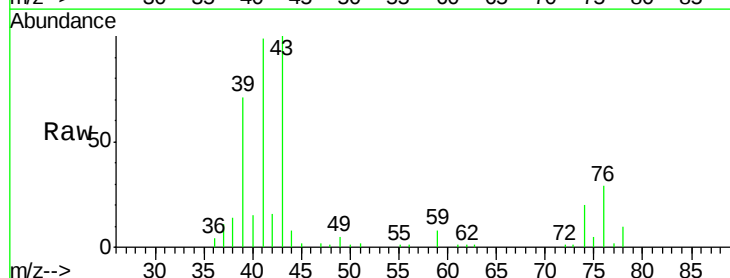
Acq: 15 Apr 2019 22:12

Tgt Ion: 43 Resp: 86295

Ion Ratio Lower Upper

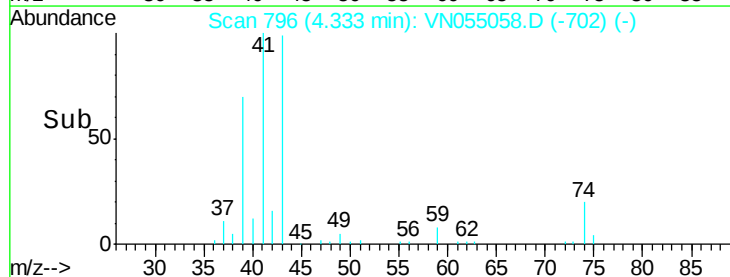
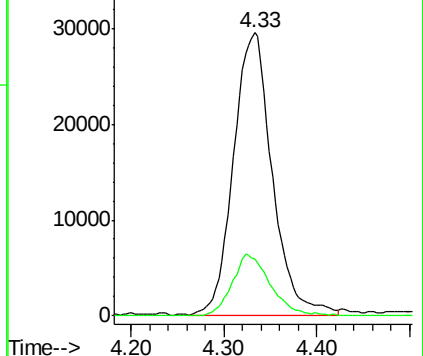
43 100

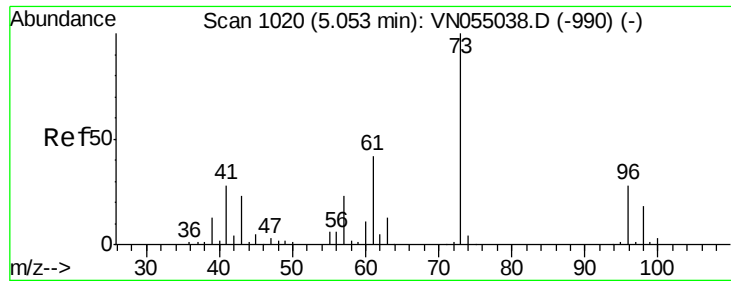
74 21.1 16.1 24.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





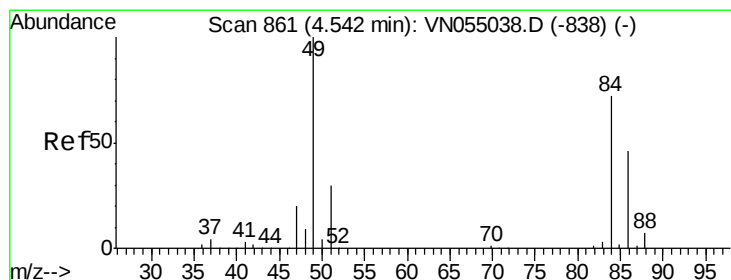
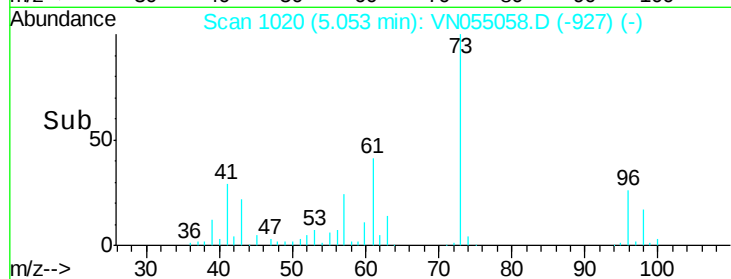
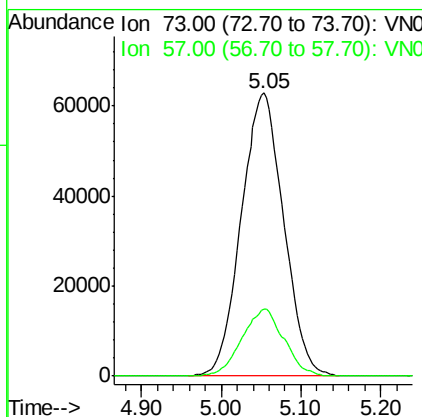
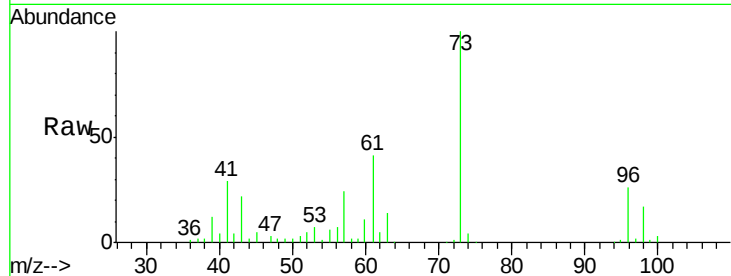
#19
Methvl tert-butvl Ether
Concen: 20.338 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VN055058.D
Acq: 15 Apr 2019 22:12

Instrument :
MSVOA_N
ClientSampled :
VN0415WBSD01

Tot Ion: 73 Resp: 227070
Ion Ratio Lower Upper
73 100
57 23.7 19.0 28.4

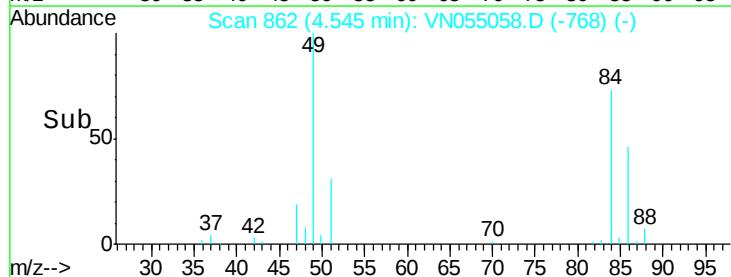
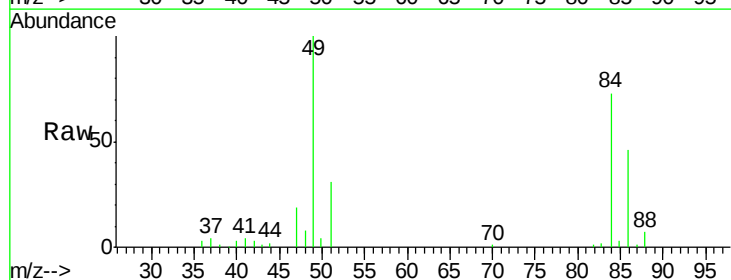
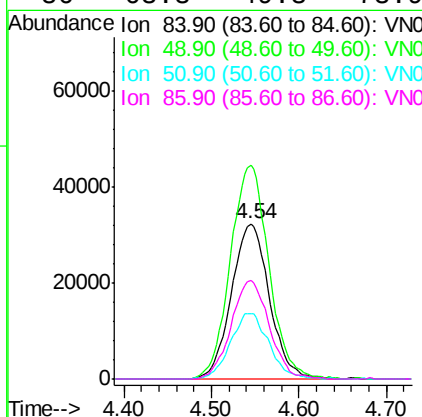
Manual Integrations
APPROVED

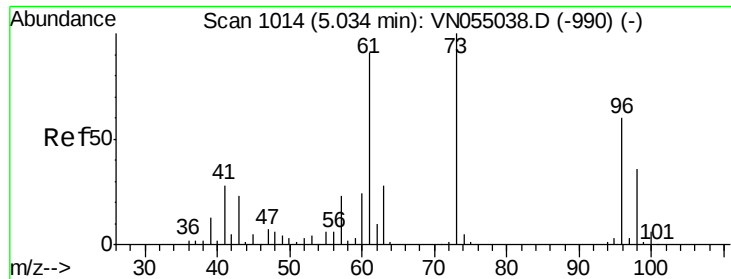
MMDadoda
4/17/2019 10:06:14 AM



#20
Methylene Chloride
Concen: 19.506 ug/l
RT: 4.54 min Scan# 862
Delta R.T. 0.00 min
Lab File: VN055058.D
Acq: 15 Apr 2019 22:12

Tgt Ion: 84 Resp: 97283
Ion Ratio Lower Upper
84 100
49 137.9 109.4 164.2
51 42.4 32.2 48.4
86 63.3 49.3 73.9





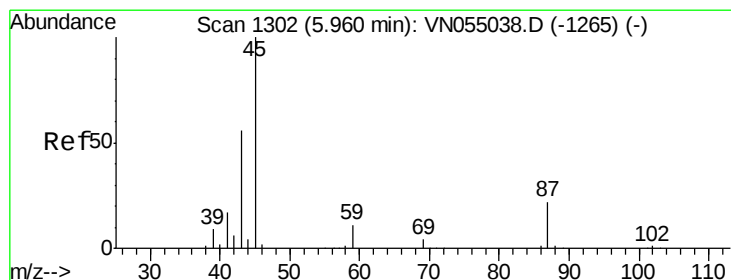
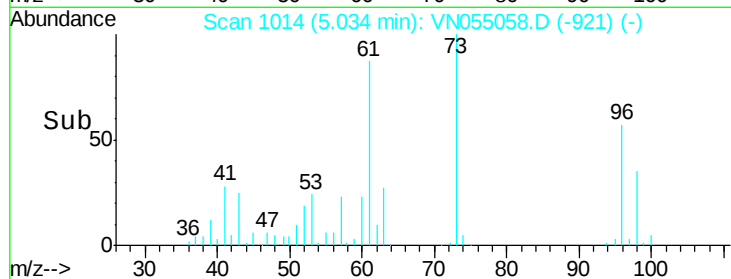
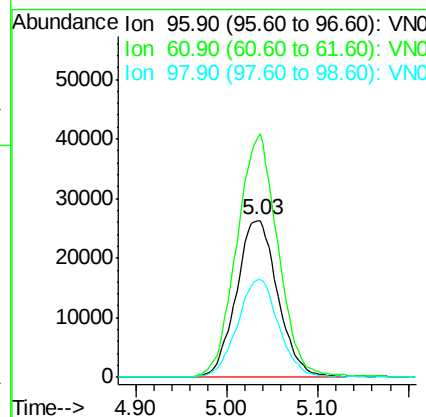
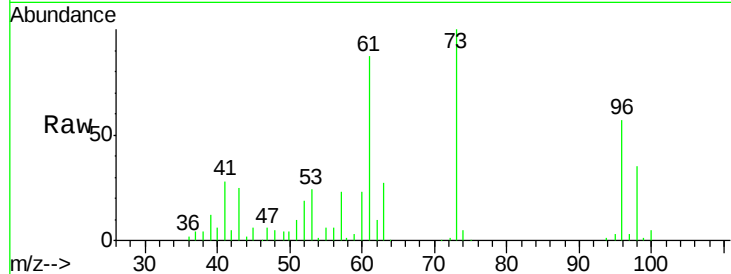
#21
trans-1,2-Dichloroethene
Concen: 19.750 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. -0.00 min
Lab File: VN055058.D
Acq: 15 Apr 2019 22:12

Instrument :
MSVOA_N
ClientSampleId :
VN0415WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	152.8	114.9	172.3
98	62.0	48.4	72.6

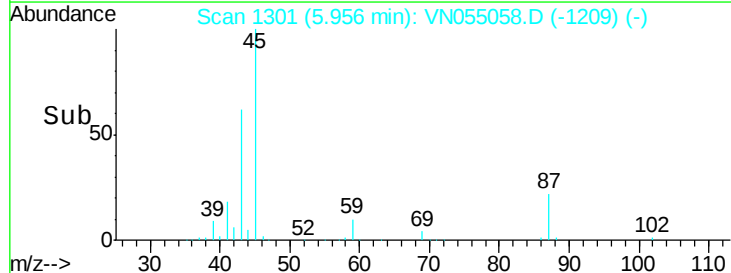
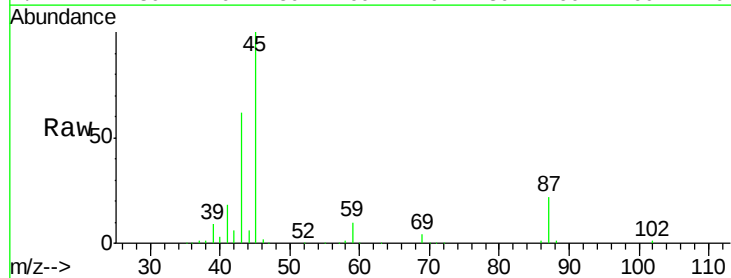
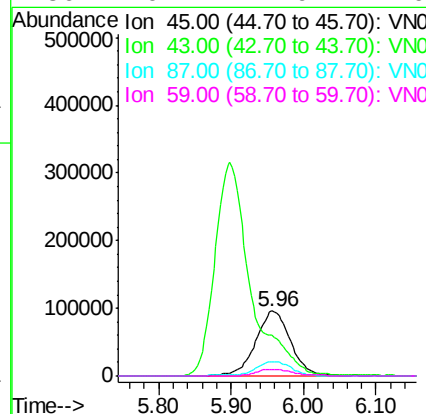
Manual Integrations
APPROVED

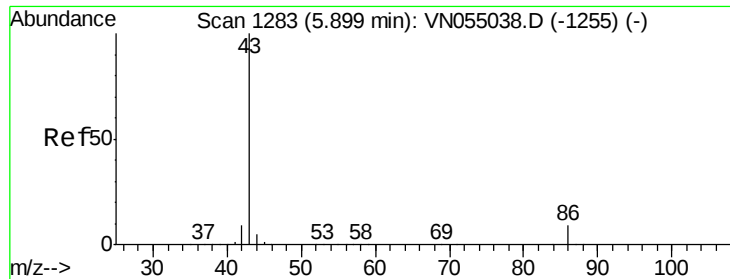
MMDadoda
4/17/2019 10:06:14 AM



#22
Diisopropyl ether
Concen: 20.517 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. -0.00 min
Lab File: VN055058.D
Acq: 15 Apr 2019 22:12

Tgt Ion	Ratio	Lower	Upper
45	100		
43	60.6	44.8	67.2
87	21.6	18.9	28.3
59	9.7	7.9	11.9





#23

Vinyl Acetate

Concen: 104.232 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VN055058.D

Acq: 15 Apr 2019 22:12

Instrument :

MSVOA_N

ClientSampled :

VN0415WBSD01

Tot Ion: 43 Resp: 1082039

Ion Ratio Lower Upper

43 100

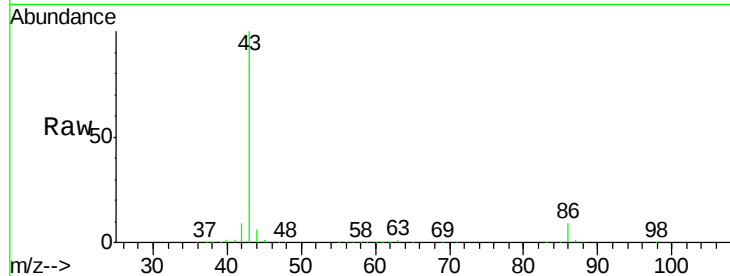
86 8.7 7.0 10.4

Manual Integrations

APPROVED

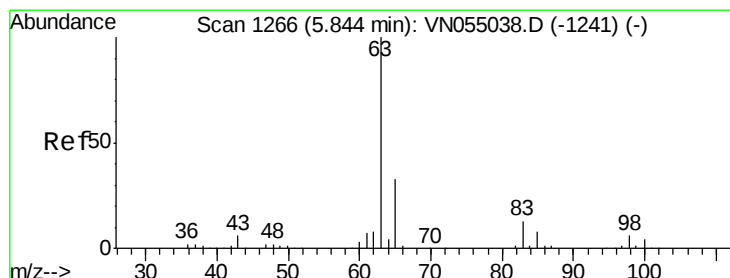
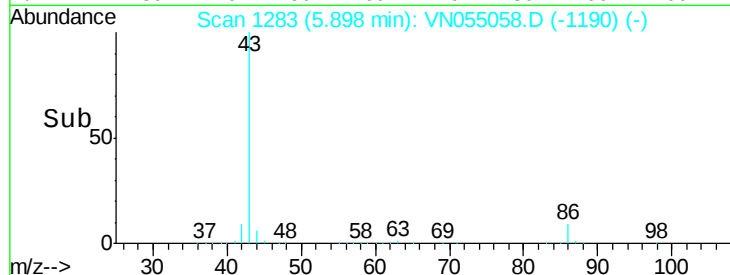
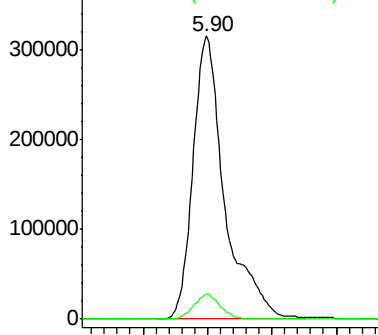
MMDadoda

4/17/2019 10:06:14 AM



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 86.00 (85.70 to 86.70): VNO



#24

1,1-Dichloroethane

Concen: 20.287 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VN055058.D

Acq: 15 Apr 2019 22:12

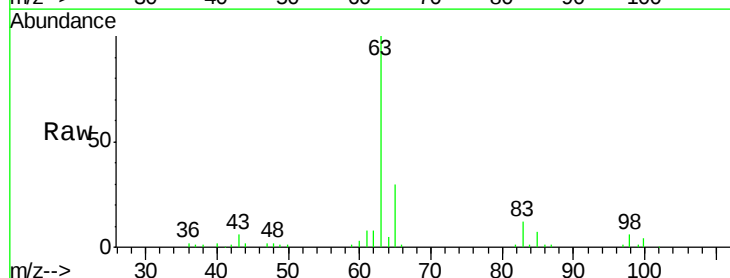
Tgt Ion: 63 Resp: 169669

Ion Ratio Lower Upper

63 100

98 5.8 2.8 8.4

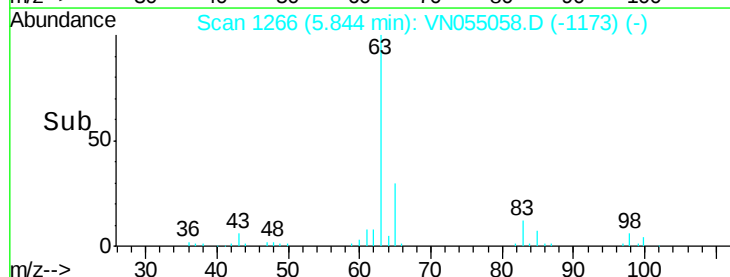
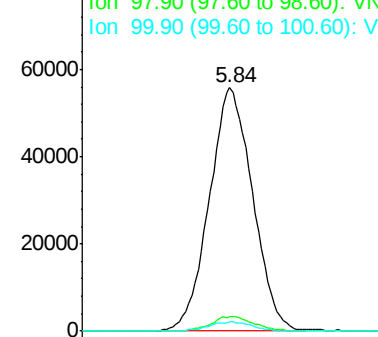
100 3.6 2.0 5.8

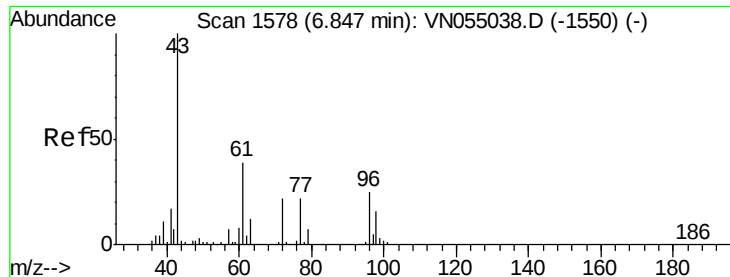


Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 97.90 (97.60 to 98.60): VNO

Ion 99.90 (99.60 to 100.60): VNO





#25

2-Butanone

Concen: 94.364 ug/l

RT: 6.84 min Scan# 1577

Delta R.T. -0.00 min

Lab File: VN055058.D

Acq: 15 Apr 2019 22:12

Instrument :

MSVOA_N

ClientSampleId :

VN0415WBSD01

Tot Ion: 43 Resp: 199811

Ion Ratio Lower Upper

43 100

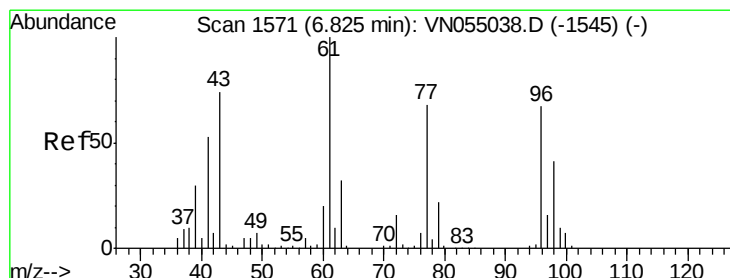
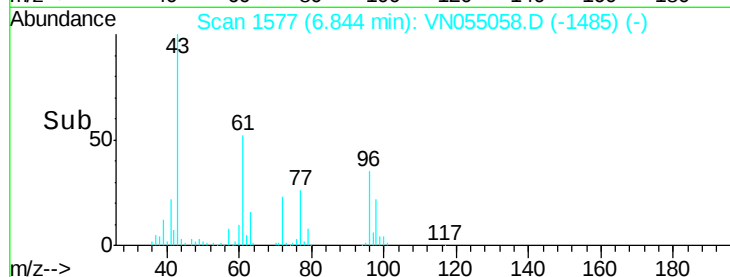
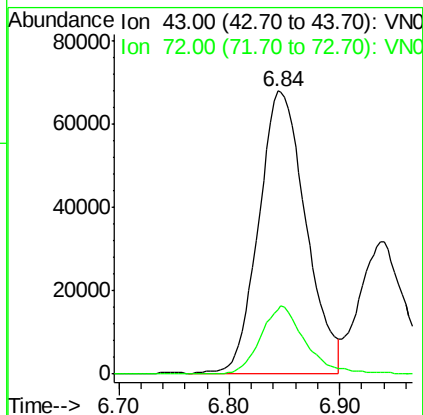
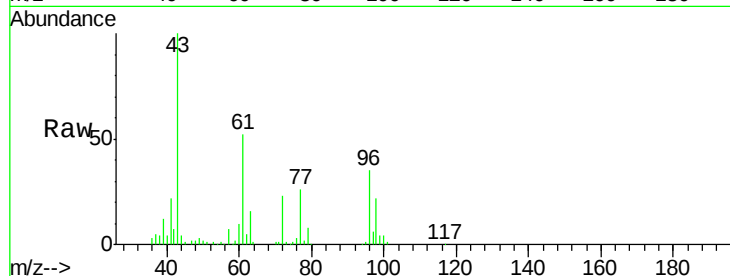
72 23.0 18.1 27.1

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#26

2,2-Dichloropropane

Concen: 17.980 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN055058.D

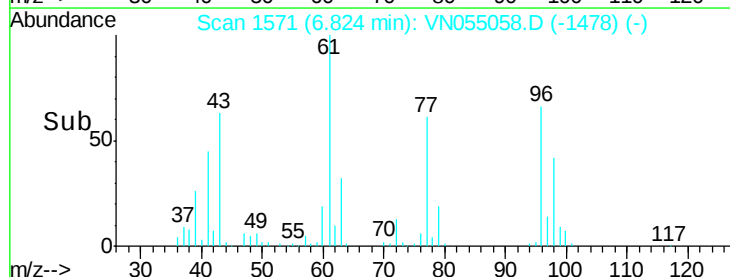
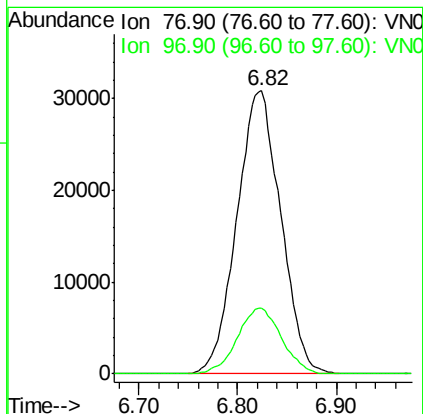
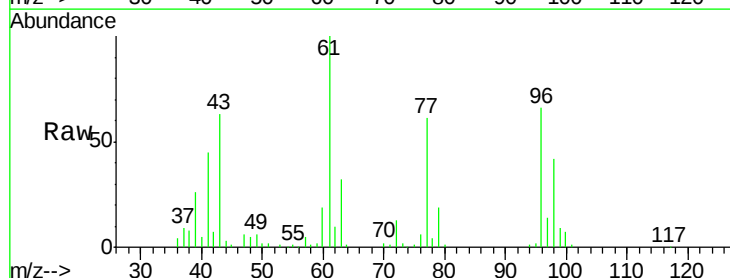
Acq: 15 Apr 2019 22:12

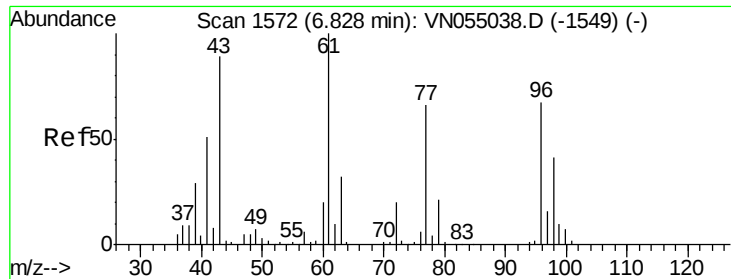
Tgt Ion: 77 Resp: 94910

Ion Ratio Lower Upper

77 100

97 23.2 11.3 33.9





#27

cis-1,2-Dichloroethene

Concen: 20.405 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN055058.D

Acq: 15 Apr 2019 22:12

Instrument :

MSVOA_N

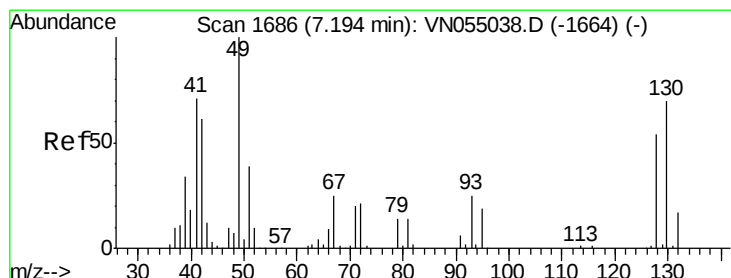
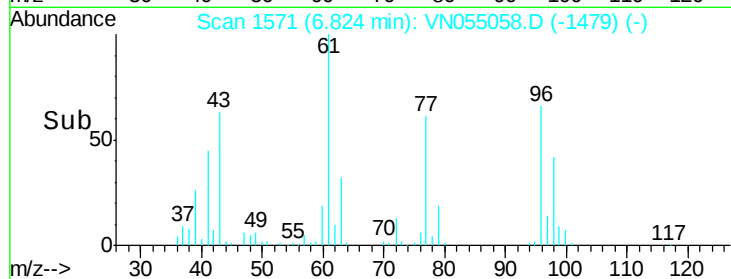
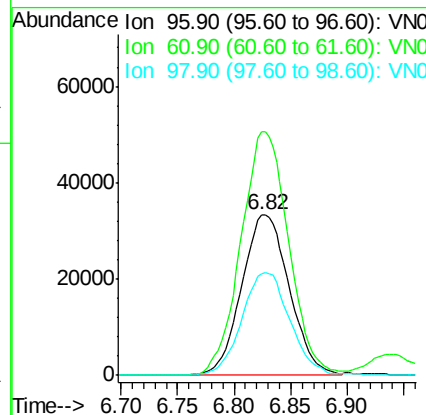
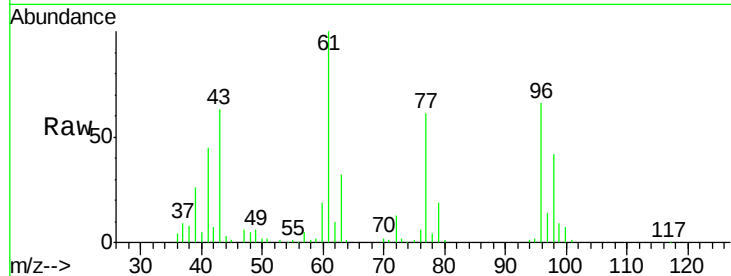
ClientSampleId :

VN0415WBSD01

Tot Ion:	96	Resp:	97450
Ion	Ratio	Lower	Upper
96	100		
61	151.9	0.0	311.0
98	64.2	0.0	127.4

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#28

Bromochloromethane

Concen: 20.494 ug/l

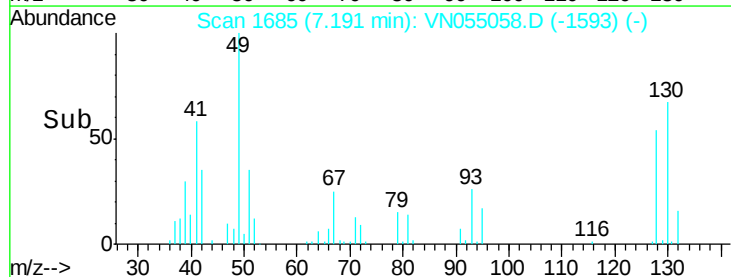
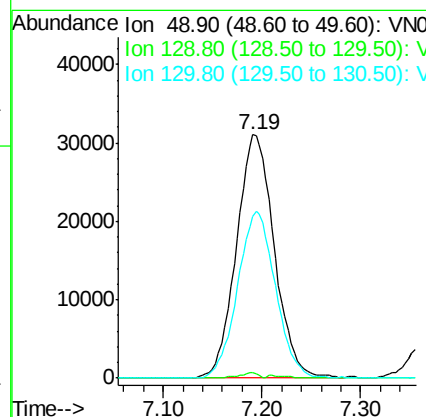
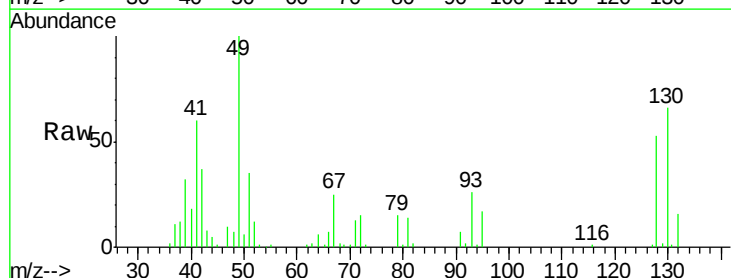
RT: 7.19 min Scan# 1685

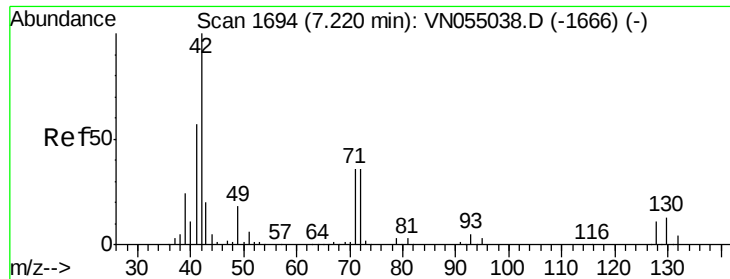
Delta R.T. -0.00 min

Lab File: VN055058.D

Acq: 15 Apr 2019 22:12

Tgt Ion:	49	Resp:	82626
Ion	Ratio	Lower	Upper
49	100		
129	1.1	0.0	2.0
130	68.6	53.4	80.2





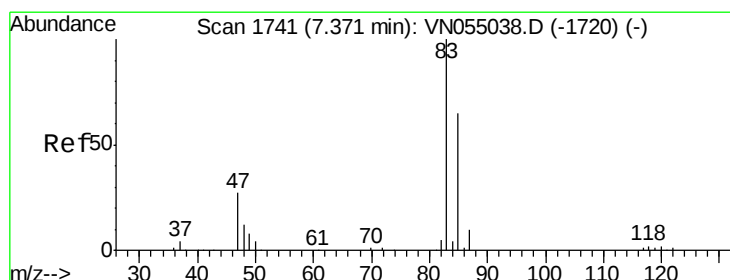
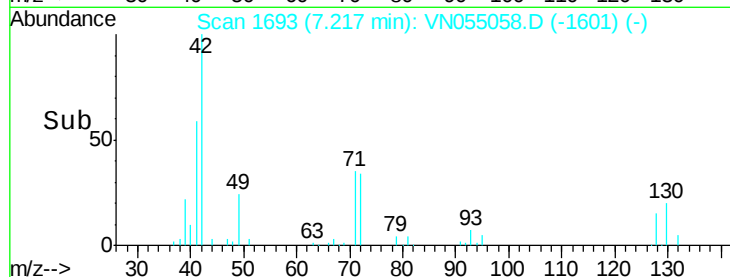
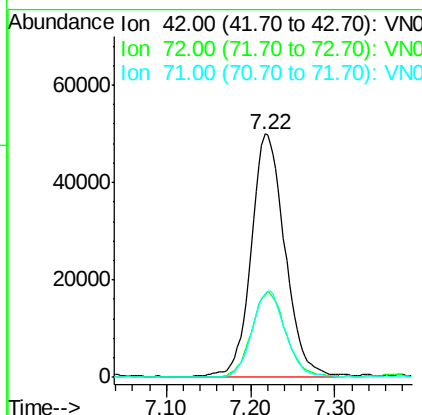
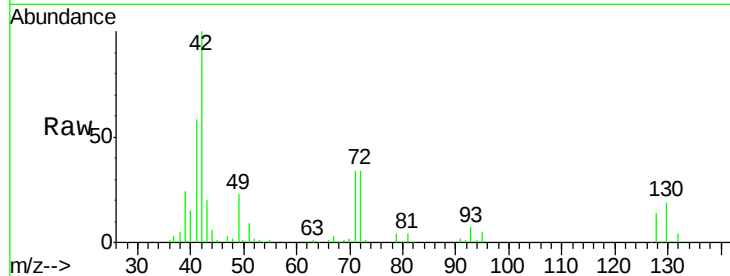
#29
Tetrahydrofuran
Concen: 100.263 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. -0.00 min
Lab File: VN055058.D
Acq: 15 Apr 2019 22:12

Instrument :
MSVOA_N
ClientSampleId :
VN0415WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	35.6	29.4	44.0
71	35.0	27.8	41.6

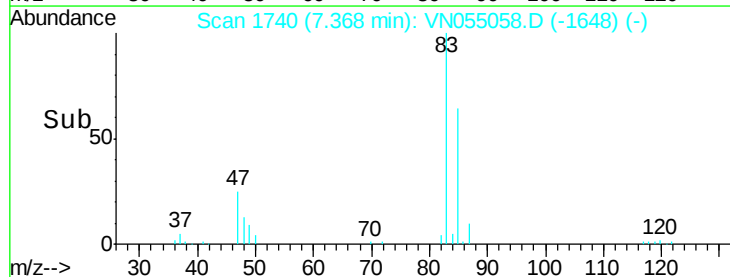
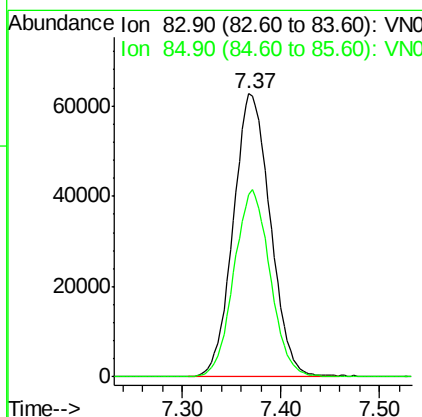
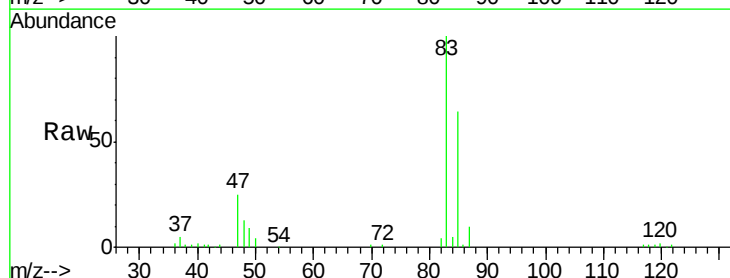
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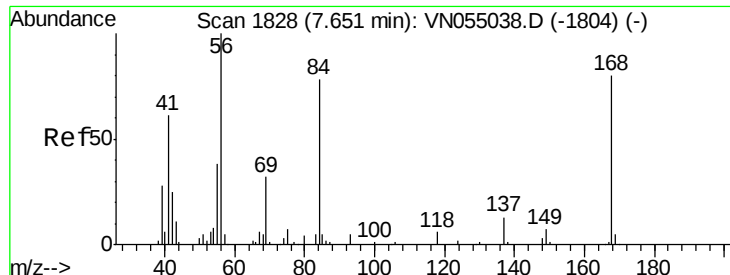
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#30
Chloroform
Concen: 20.127 ug/l
RT: 7.37 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VN055058.D
Acq: 15 Apr 2019 22:12

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	51.8	77.6





#31

Cyclohexane

Concen: 20.021 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN055058.D

Acq: 15 Apr 2019 22:12

Instrument :

MSVOA_N

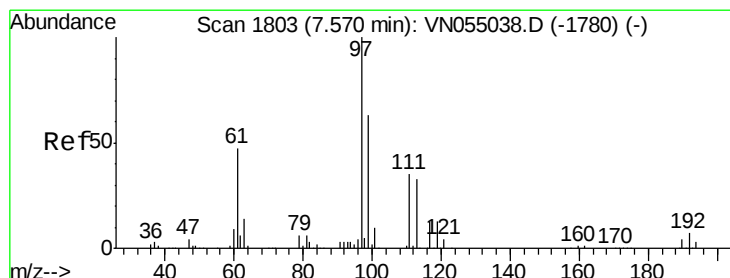
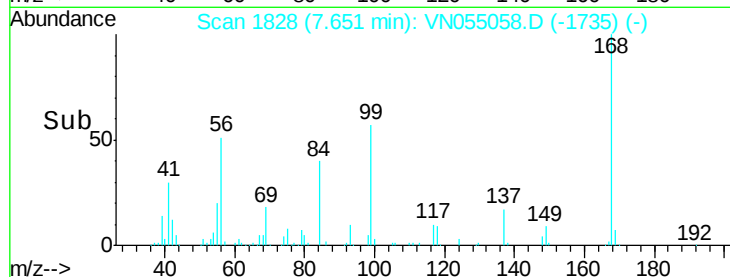
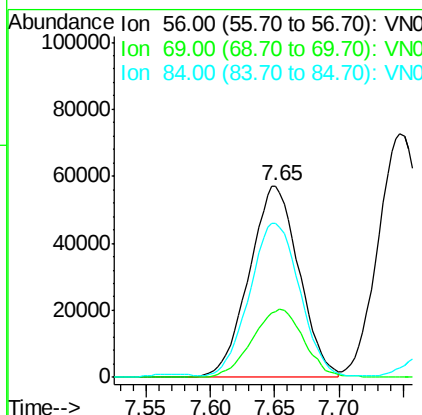
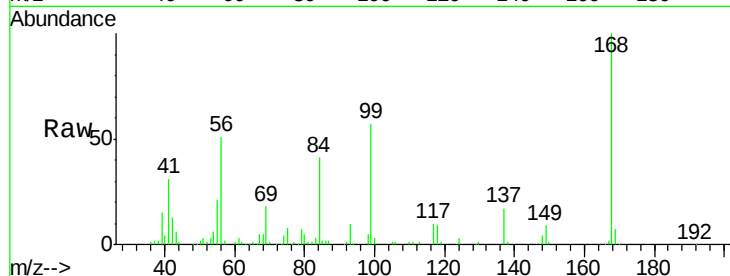
ClientSampleId :

VN0415WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
69	34.5	24.5	36.7	
84	79.0	62.9	94.3	

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#32

1,1,1-Trichloroethane

Concen: 20.207 ug/l

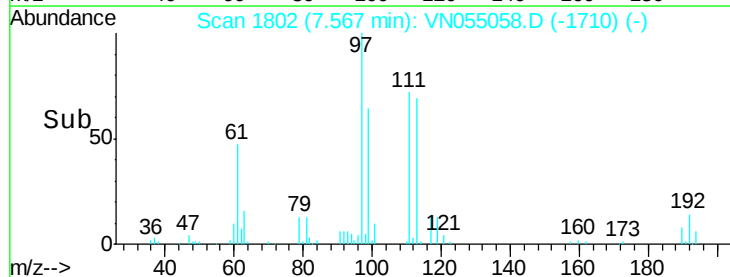
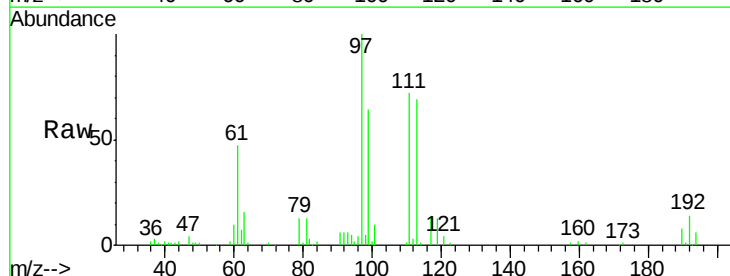
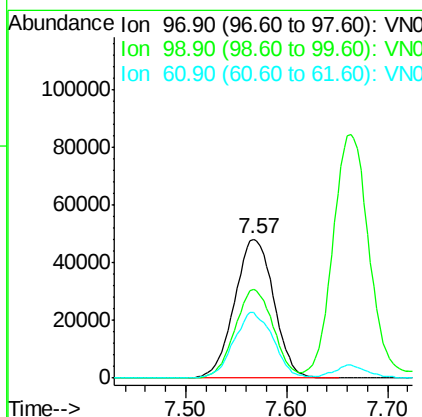
RT: 7.57 min Scan# 1802

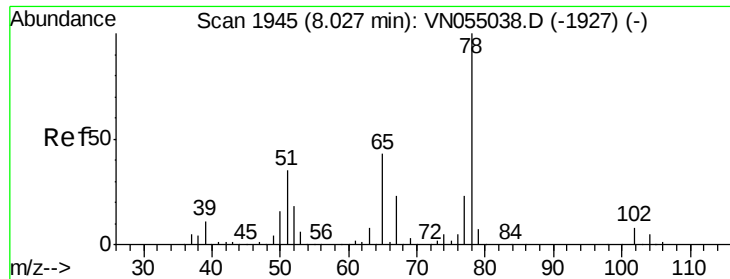
Delta R.T. -0.00 min

Lab File: VN055058.D

Acq: 15 Apr 2019 22:12

Tgt Ion	Ion	Ratio	Lower	Upper
97	100			
99	62.8	51.6	77.4	
61	47.5	38.3	57.5	





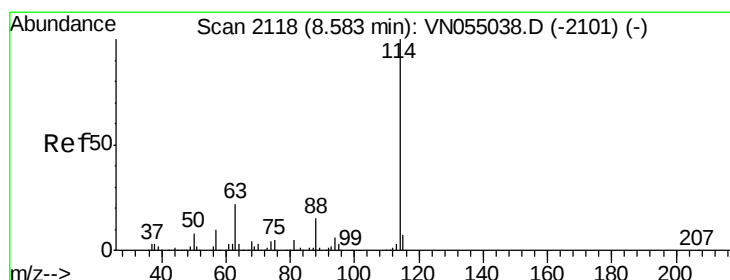
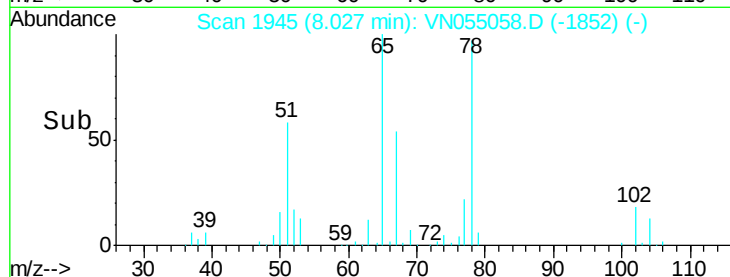
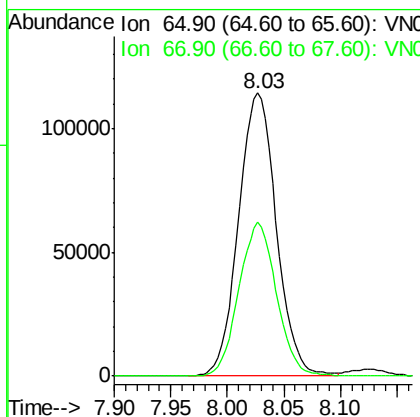
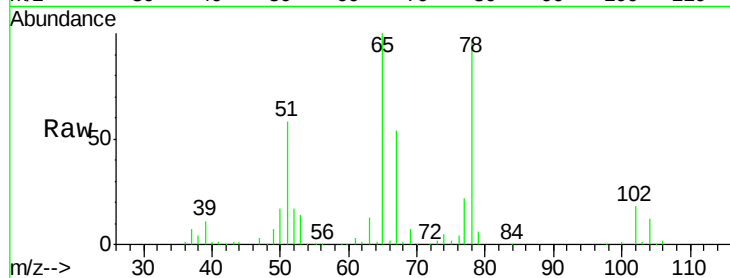
#33
 1,2-Dichloroethane-d4
 Concen: 50.967 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN055058.D
 Acq: 15 Apr 2019 22:12

Instrument :
 MSVOA_N
 ClientSampled :
 VN0415WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	266410		
67	54.0	0.0	106.4	

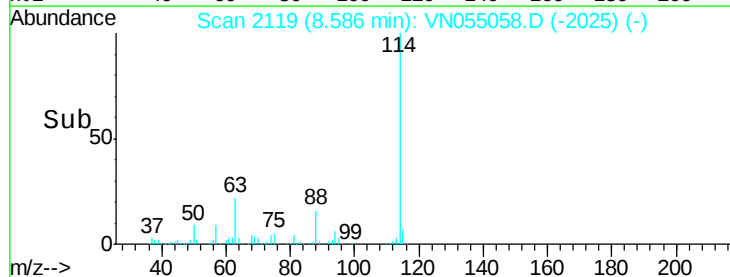
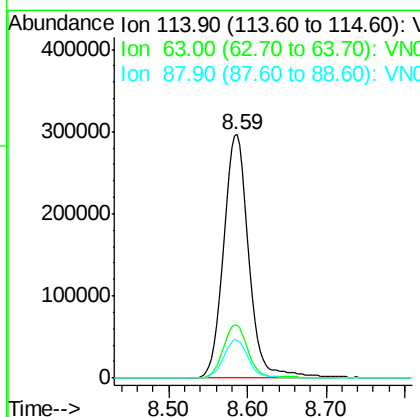
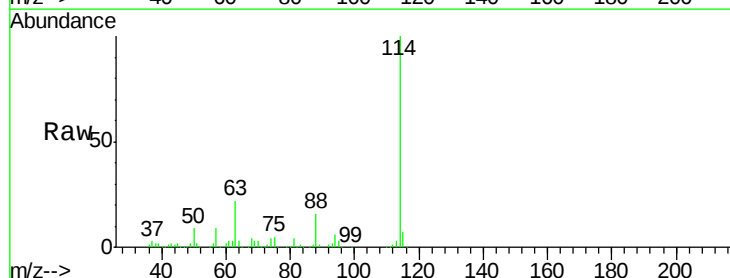
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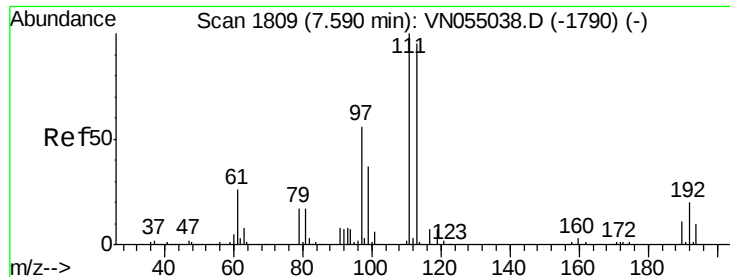
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055058.D
 Acq: 15 Apr 2019 22:12

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	655542		
63	21.7	0.0	45.2	
88	15.7	0.0	31.8	





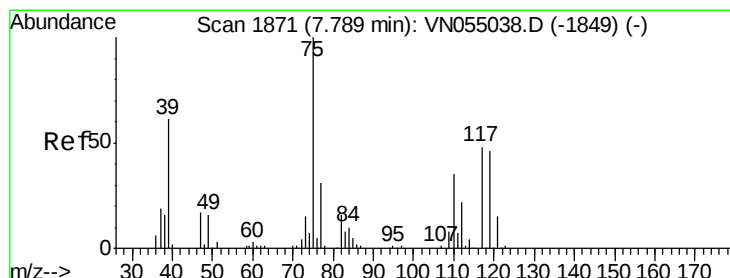
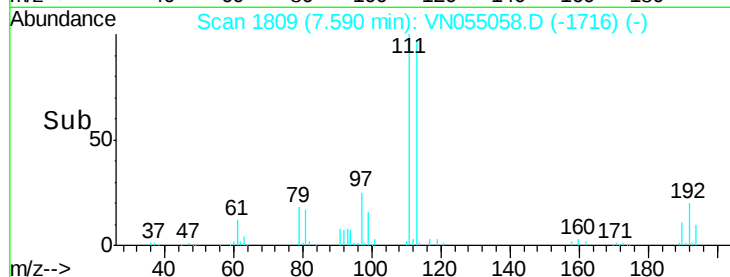
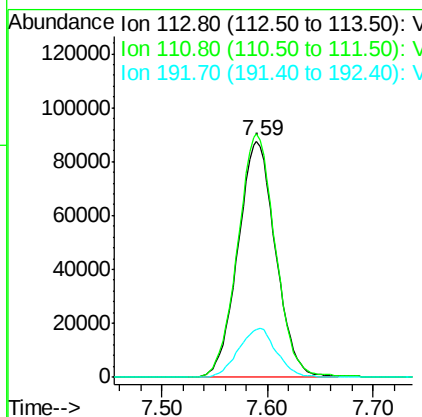
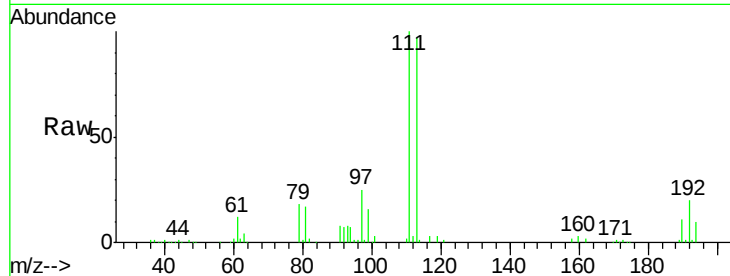
#35
 Dibromofluoromethane
 Concen: 49.529 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN055058.D
 Acq: 15 Apr 2019 22:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0415WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	103.2	82.1	123.1	
192	21.0	16.5	24.7	

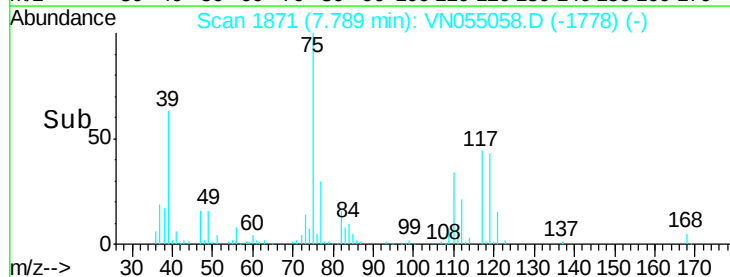
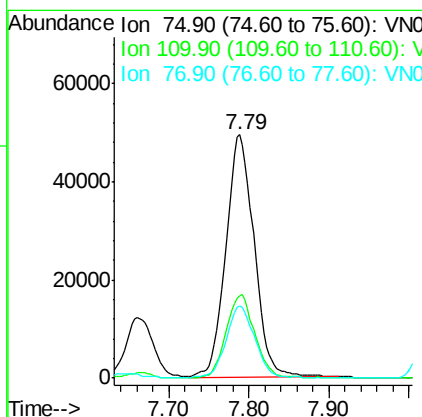
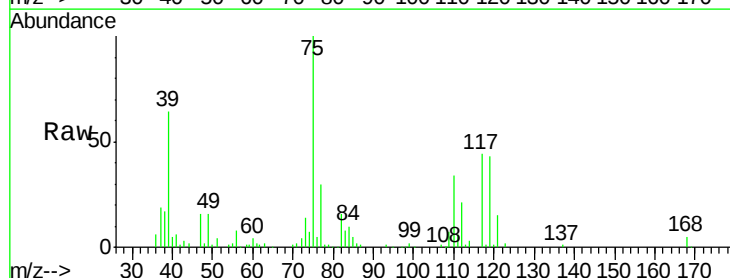
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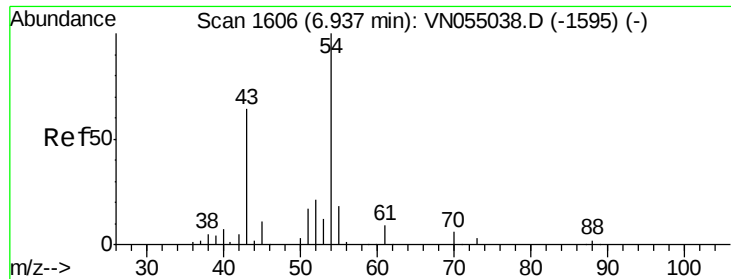
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#36
 1,1-Dichloropropene
 Concen: 19.311 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. -0.00 min
 Lab File: VN055058.D
 Acq: 15 Apr 2019 22:12

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	34.9	17.5	52.5	
77	30.2	24.9	37.3	





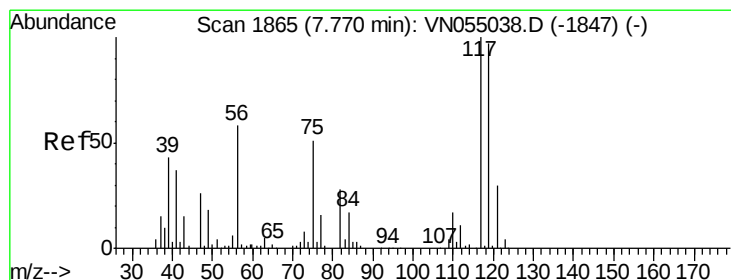
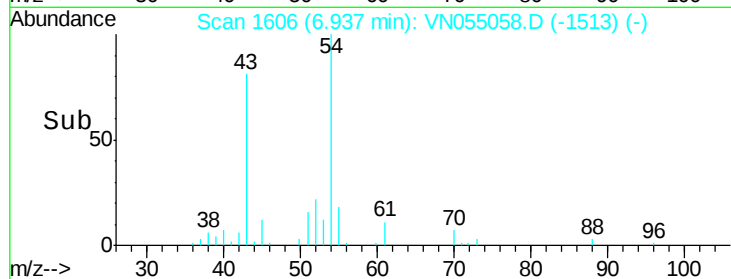
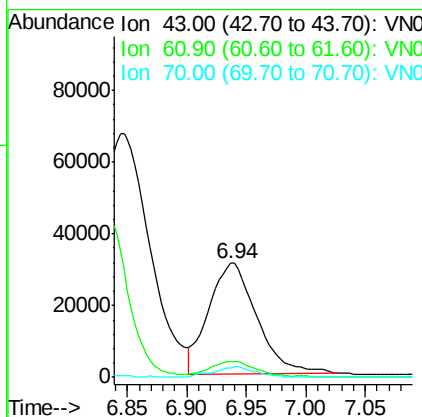
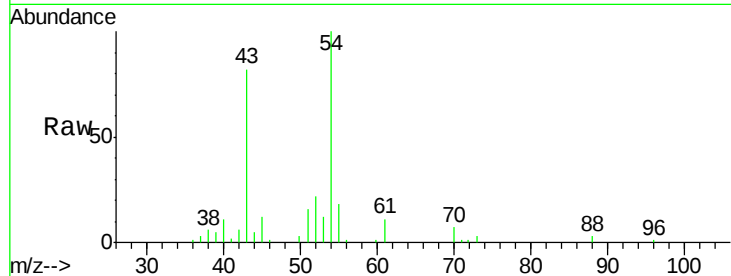
#37
Ethyl Acetate
Concen: 17.250 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. -0.00 min
Lab File: VN055058.D
Acq: 15 Apr 2019 22:12

Instrument :
MSVOA_N
ClientSampleId :
VN0415WBSD01

Tot Ion	43	61	70
Resp	86783		
Ratio	100	13.1	8.5
Lower		10.0	7.1
Upper		15.0	10.7

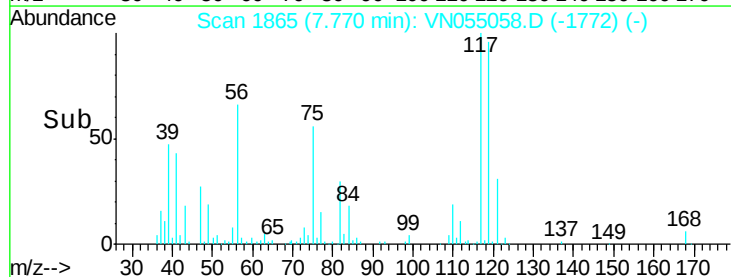
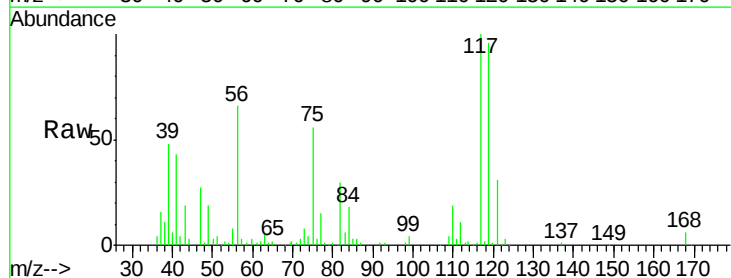
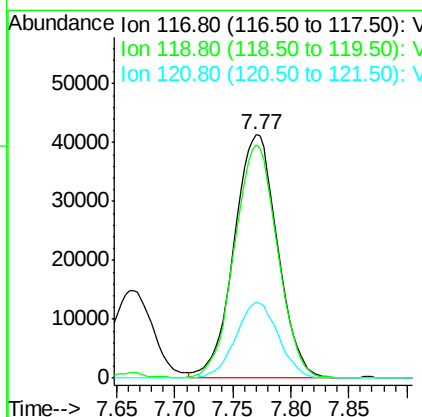
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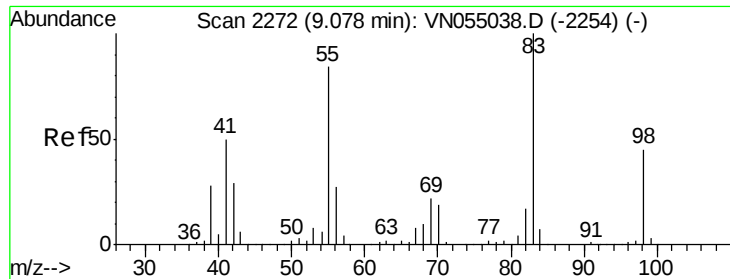
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#38
Carbon Tetrachloride
Concen: 18.383 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN055058.D
Acq: 15 Apr 2019 22:12

Tgt Ion	117	119	121
Resp	108081		
Ratio	100	95.9	31.0
Lower		76.3	23.9
Upper		114.5	35.9





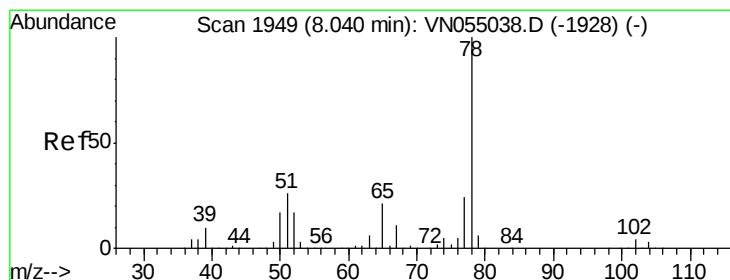
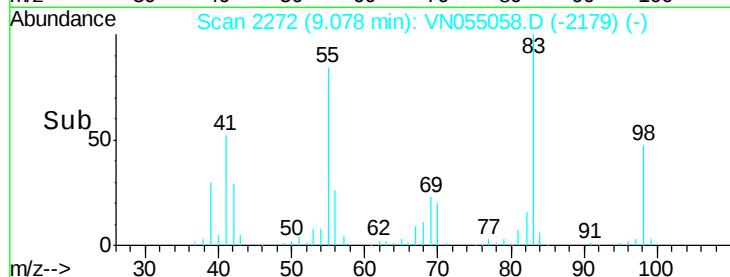
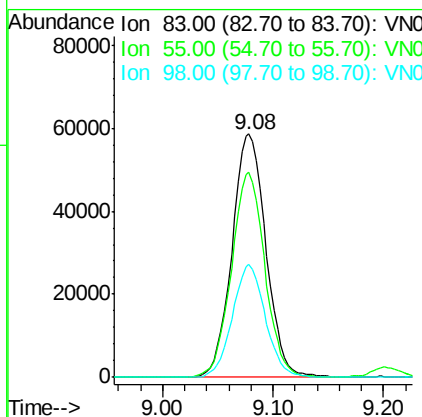
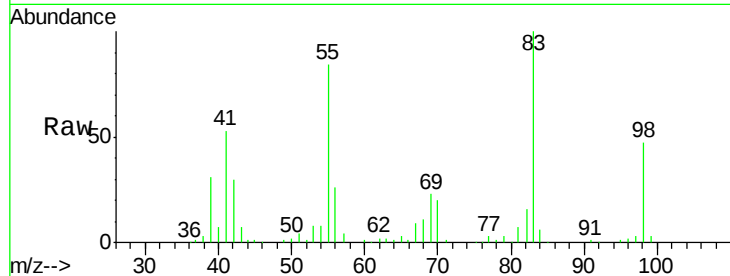
#39
Methvlcvclohexane
Concen: 18.620 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN055058.D
Acq: 15 Apr 2019 22:12

Instrument :
MSVOA_N
ClientSampleId :
VN0415WBSD01

Tot Ion	83.00	Resp	124689
Ion Ratio	Lower	Upper	
83	100		
55	84.4	67.0	100.4
98	46.5	35.6	53.4

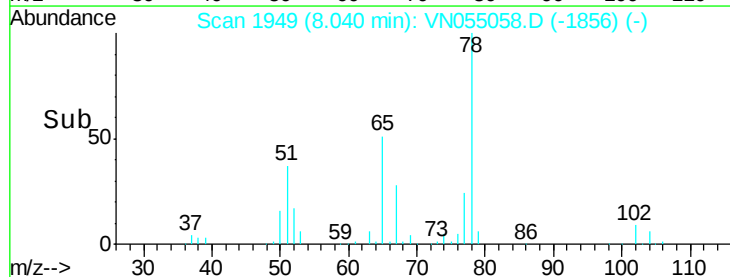
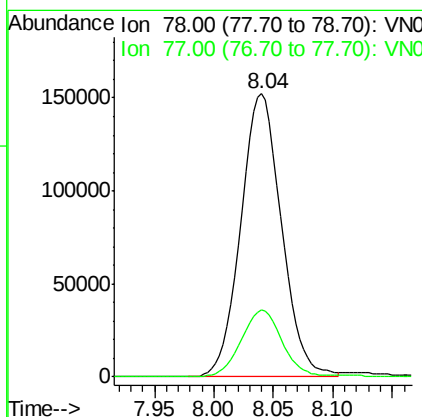
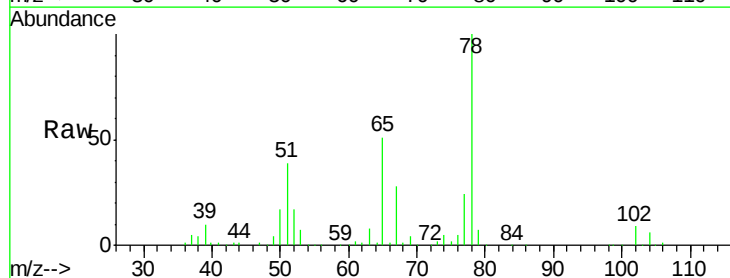
Manual Integrations
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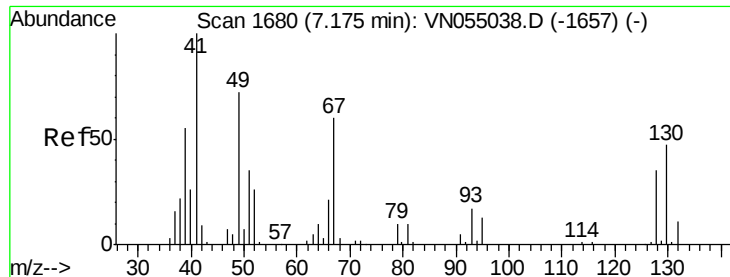
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#40
Benzene
Concen: 19.407 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN055058.D
Acq: 15 Apr 2019 22:12

Tgt Ion	78.00	Resp	361457
Ion Ratio	Lower	Upper	
78	100		
77	23.8	18.8	28.2





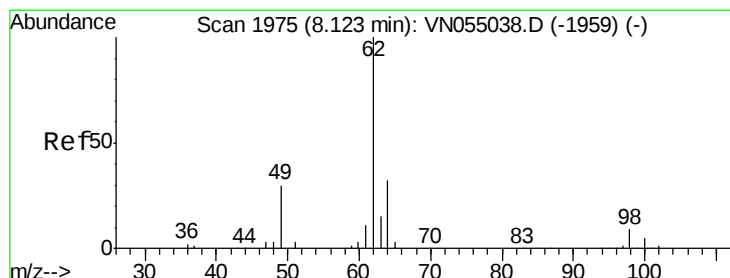
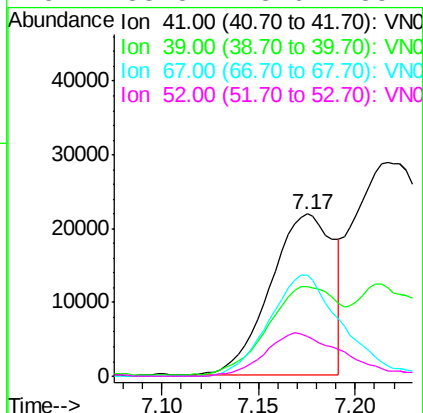
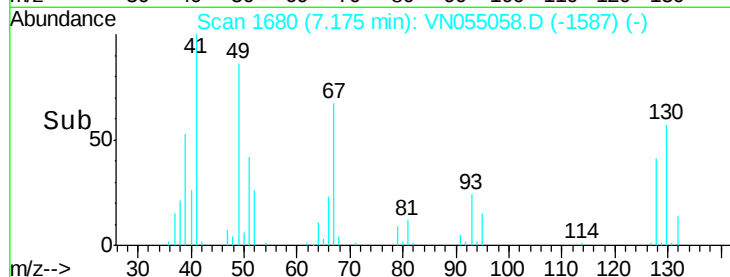
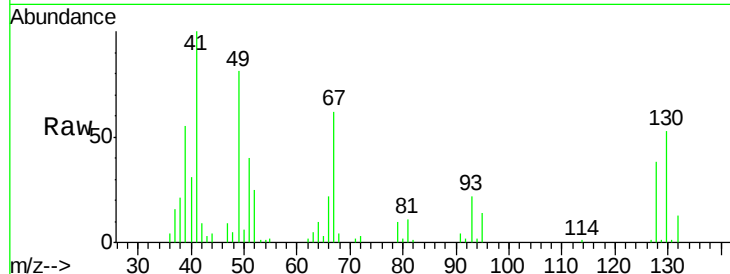
#41
Methacrylonitrile
Concen: 17.768 ug/l
RT: 7.17 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN055058.D
Acq: 15 Apr 2019 22:12

Instrument :
MSVOA_N
ClientSampleId :
VN0415WBSD01

Tot Ion:	41	Resp:	49621
Ion	Ratio	Lower	Upper
41	100		
39	61.0	45.6	68.4
67	73.1	57.0	85.6
52	33.8	23.6	35.4

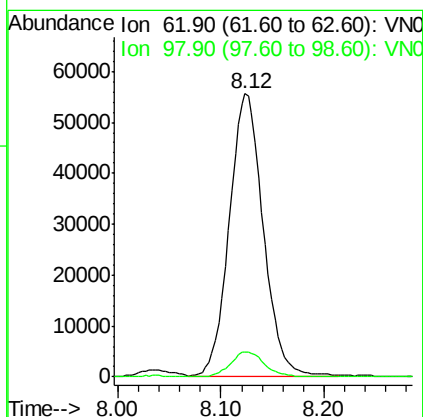
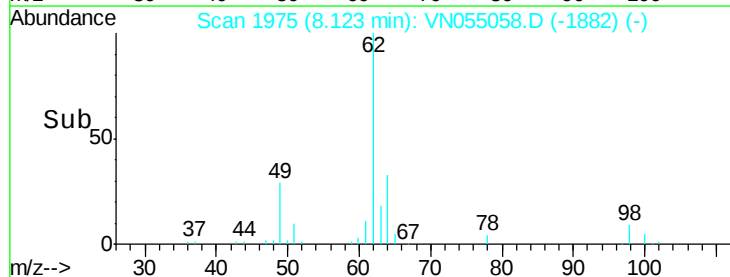
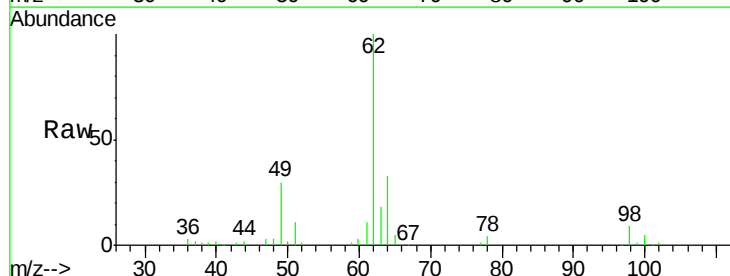
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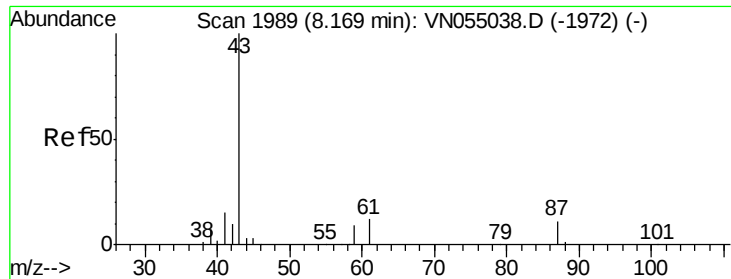
MMDadoda
4/17/2019 10:06:14 AM



#42
1,2-Dichloroethane
Concen: 19.594 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN055058.D
Acq: 15 Apr 2019 22:12

Tgt Ion:	62	Resp:	126705
Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	17.4





#43

Isopropyl Acetate

Concen: 19.404 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. -0.00 min

Lab File: VN055058.D

Acq: 15 Apr 2019 22:12

Instrument :

MSVOA_N

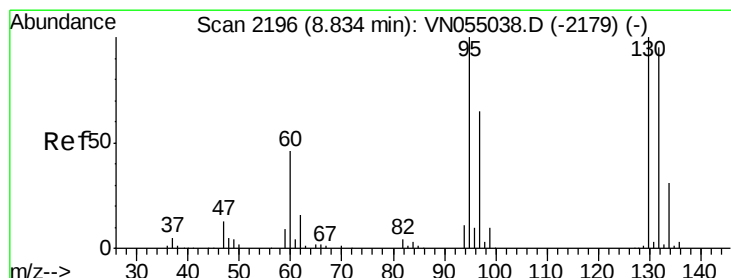
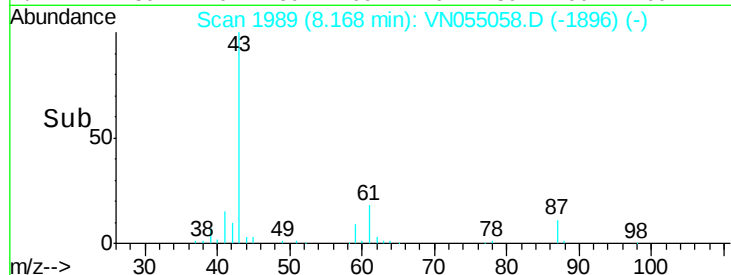
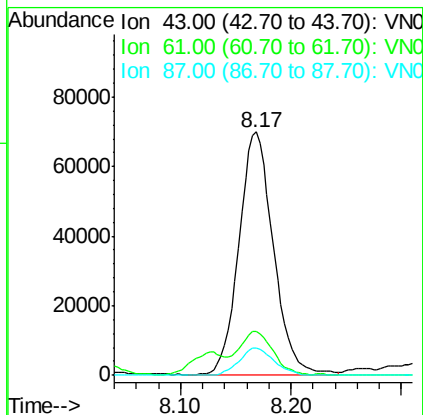
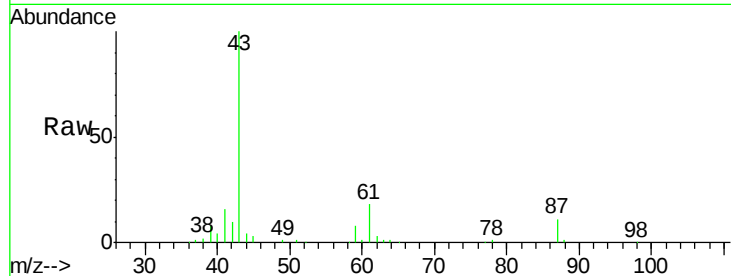
ClientSampleId :

VN0415WBSD01

Tot Ion:	43	Resp:	150423
Ion	Ratio	Lower	Upper
43	100		
61	16.7	14.3	21.5
87	11.4	8.6	13.0

Manual Integrations
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4/17/2019 10:06:14 AM



#44

Trichloroethene

Concen: 19.763 ug/l

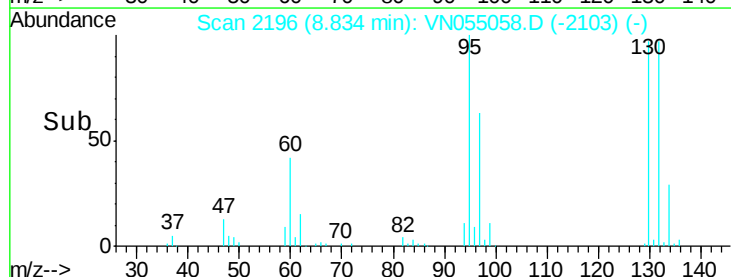
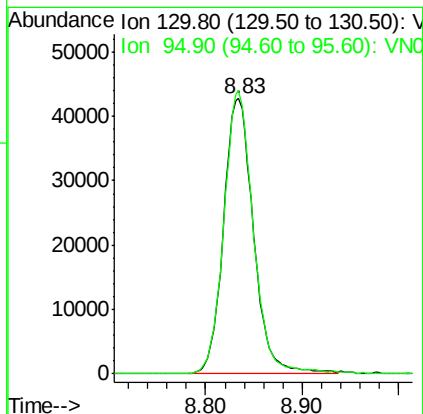
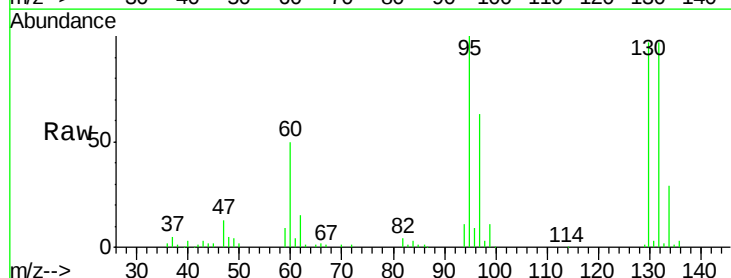
RT: 8.83 min Scan# 2196

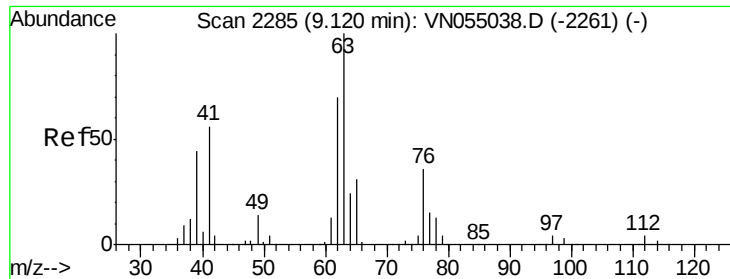
Delta R.T. -0.00 min

Lab File: VN055058.D

Acq: 15 Apr 2019 22:12

Tgt Ion:	130	Resp:	92197
Ion	Ratio	Lower	Upper
130	100		
95	102.7	0.0	201.6





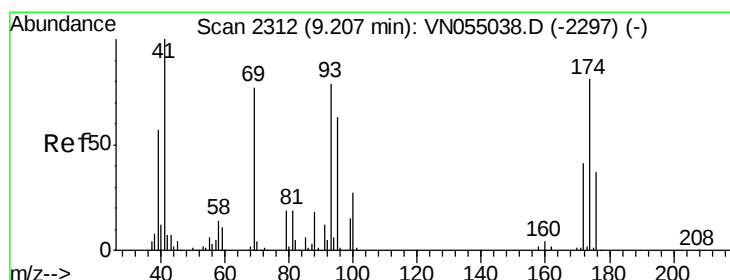
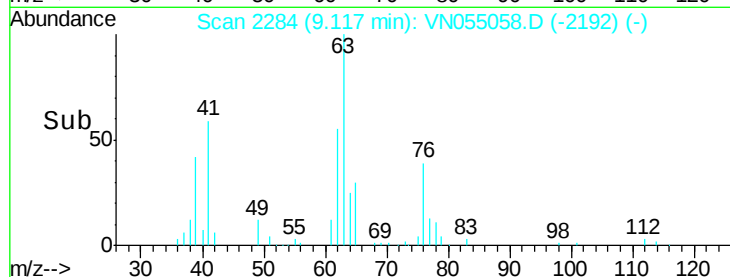
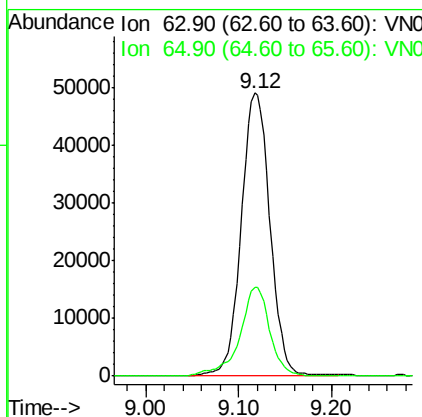
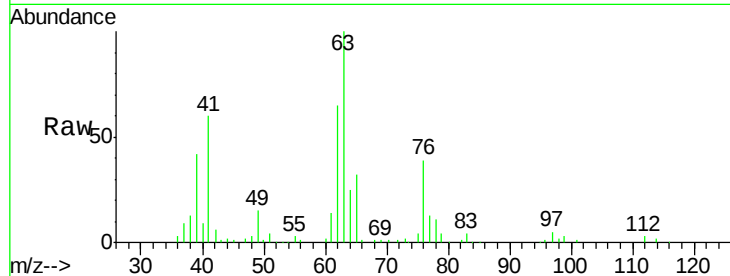
#45
 1,2-Dichloropropane
 Concen: 20.343 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN055058.D
 Acq: 15 Apr 2019 22:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0415WBSD01

Tot Ion: 63 Resp: 105667
 Ion Ratio Lower Upper
 63 100
 65 31.6 24.4 36.6

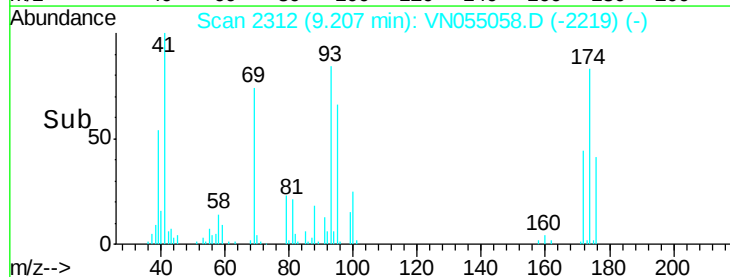
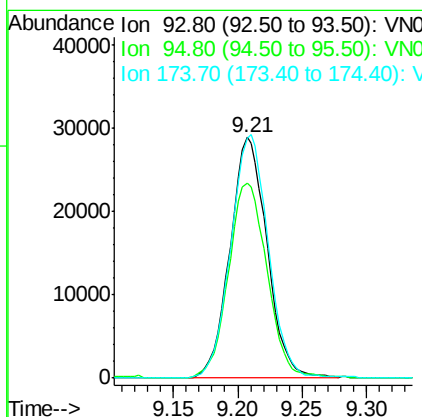
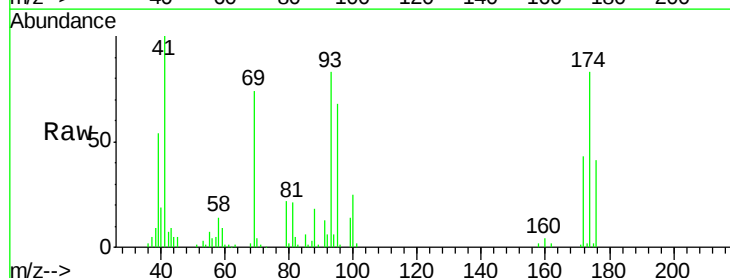
Manual Integrations
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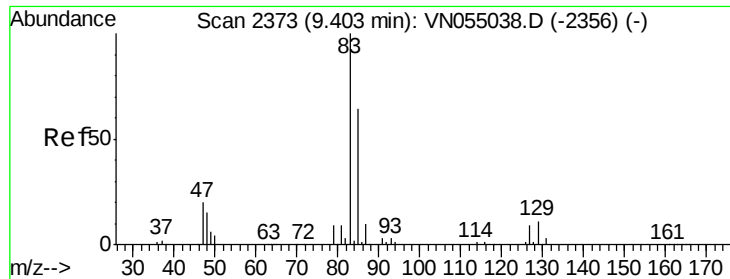
MMDadoda
 4/17/2019 10:06:14 AM



#46
 Dibromomethane
 Concen: 19.485 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN055058.D
 Acq: 15 Apr 2019 22:12

Tgt Ion: 93 Resp: 57609
 Ion Ratio Lower Upper
 93 100
 95 84.6 65.0 97.6
 174 102.2 81.0 121.6





#47

Bromodichloromethane

Concen: 19.319 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN055058.D

Acq: 15 Apr 2019 22:12

Instrument :

MSVOA_N

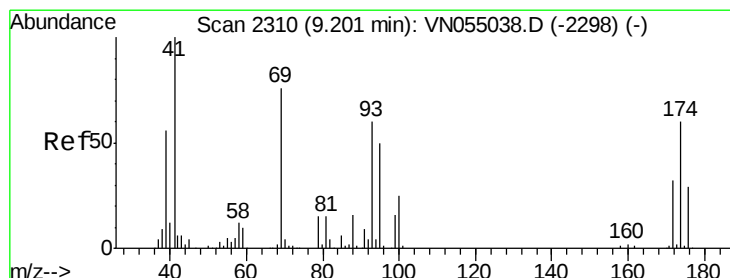
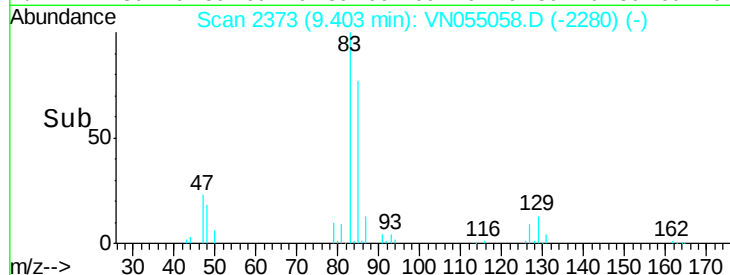
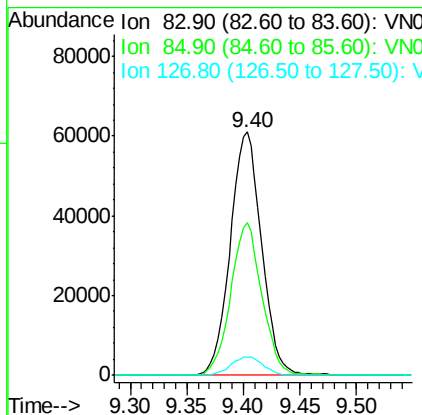
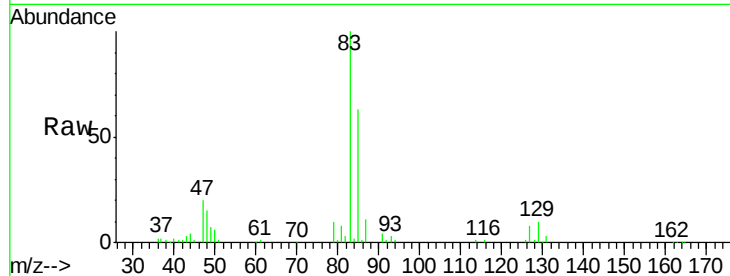
ClientSampleId :

VN0415WBSD01

Tot Ion:	83	Resp:	117758
Ion	Ratio	Lower	Upper
83	100		
85	62.6	51.2	76.8
127	7.5	6.8	10.2

Manual Integrations
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MMDadoda
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#48

Methyl methacrylate

Concen: 19.276 ug/l

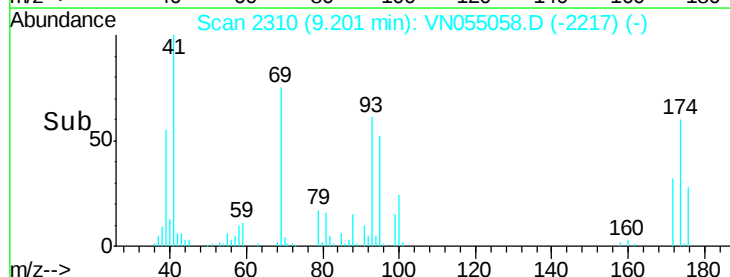
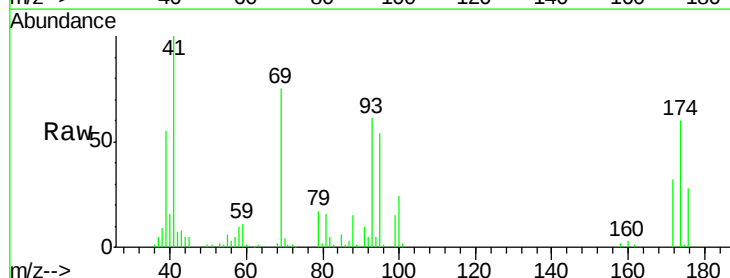
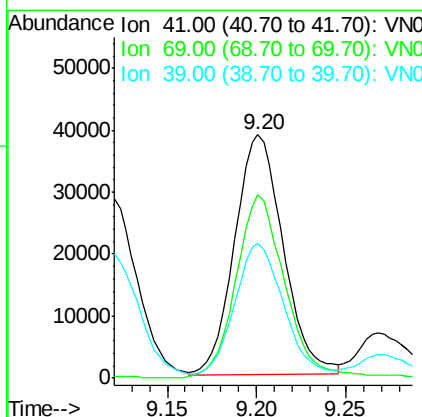
RT: 9.20 min Scan# 2310

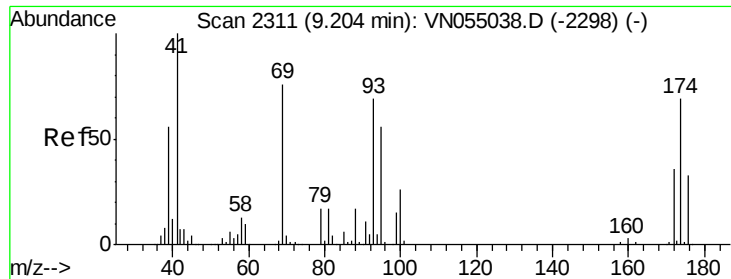
Delta R.T. -0.00 min

Lab File: VN055058.D

Acq: 15 Apr 2019 22:12

Tgt Ion:	41	Resp:	74067
Ion	Ratio	Lower	Upper
41	100		
69	76.6	60.5	90.7
39	55.6	43.9	65.9





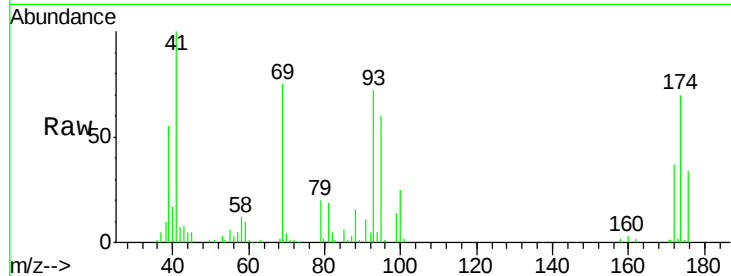
#49
1,4-Dioxane
Concen: 362.154 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. -0.00 min
Lab File: VN055058.D
Acq: 15 Apr 2019 22:12

Instrument :
MSVOA_N
ClientSampleId :
VN0415WBSD01

Tot Ion	88	Resp	13037
Ion	Ratio	Lower	Upper
88	100		
43	42.3	31.8	47.8
58	76.5	61.6	92.4

Manual Integrations
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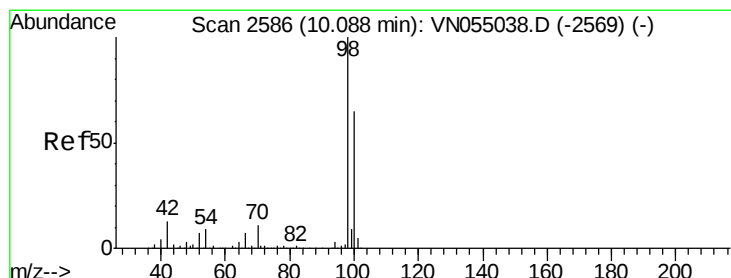
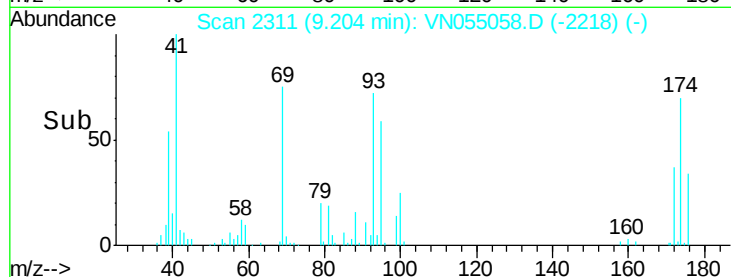
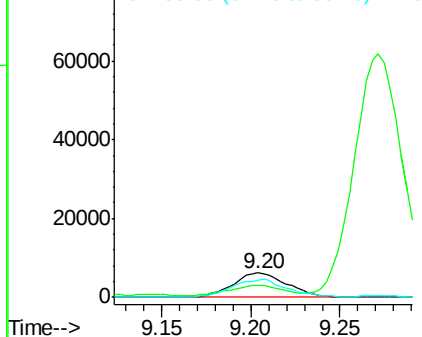


Abundance

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

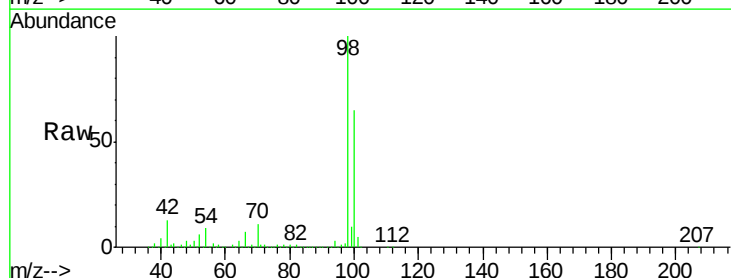
Ion 43.00 (42.70 to 43.70): VN055038.D (-2298) (-)

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



#50
Toluene-d8
Concen: 50.989 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. -0.00 min
Lab File: VN055058.D
Acq: 15 Apr 2019 22:12

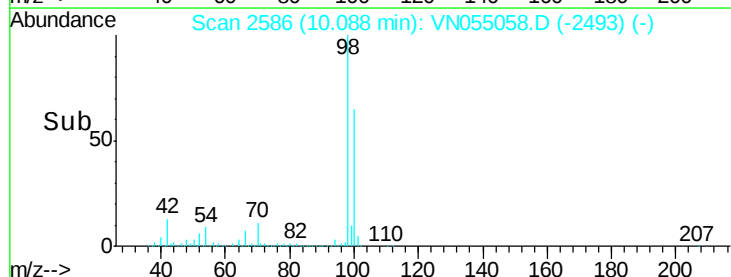
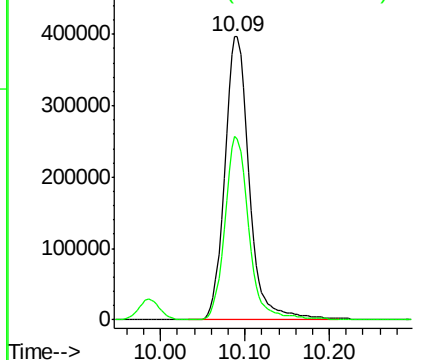
Tgt Ion	98	Resp	799506
Ion	Ratio	Lower	Upper
98	100		
100	63.4	51.1	76.7



Abundance

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

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





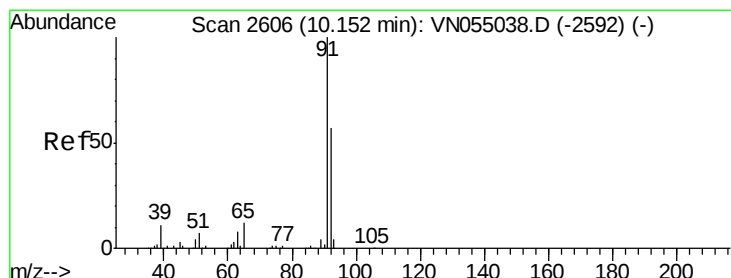
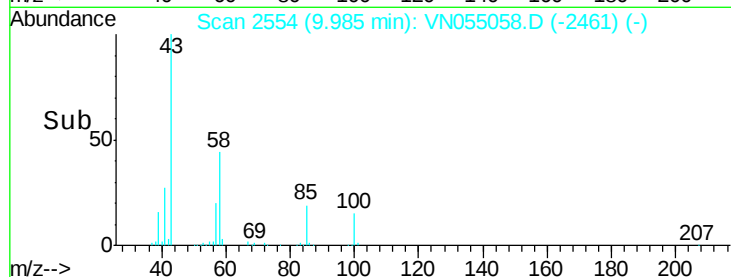
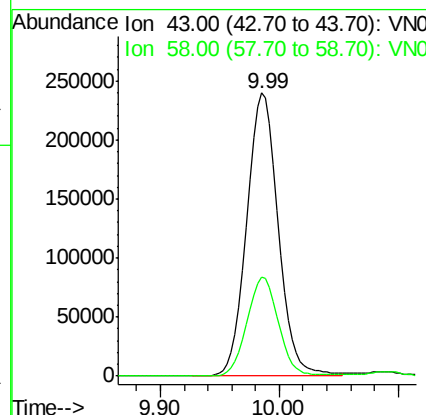
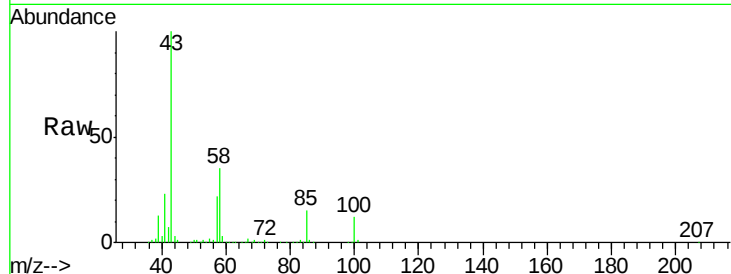
#51
4-Methyl-2-Pentanone
Concen: 97.928 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN055058.D
Acq: 15 Apr 2019 22:12

Instrument :
MSVOA_N
ClientSampleId :
VN0415WBSD01

Tot Ion	43	Resp	438579
Ion Ratio	100	Lower	Upper
58	34.9	29.0	43.4

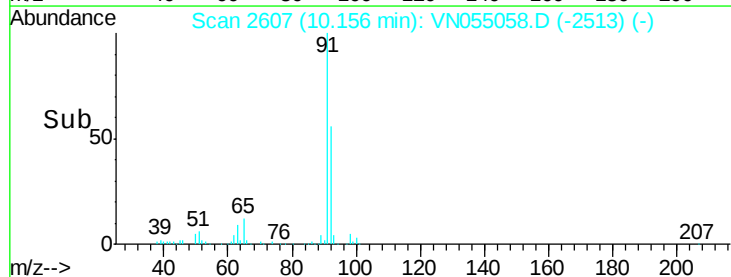
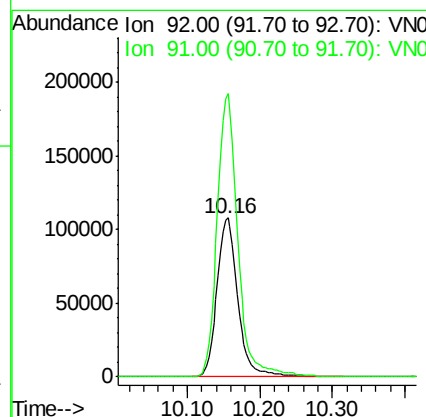
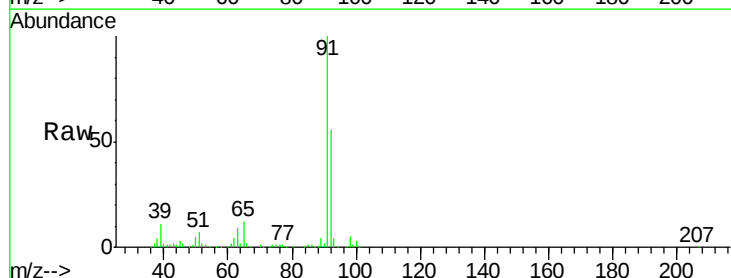
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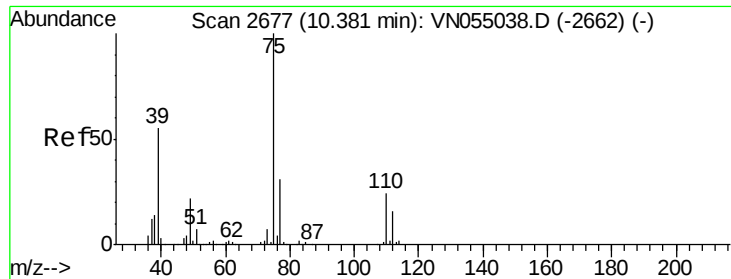
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#52
Toluene
Concen: 20.324 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN055058.D
Acq: 15 Apr 2019 22:12

Tgt Ion	92	Resp	216801
Ion Ratio	100	Lower	Upper
91	174.7	140.8	211.2





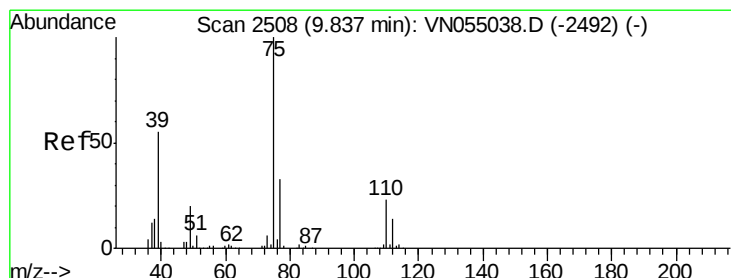
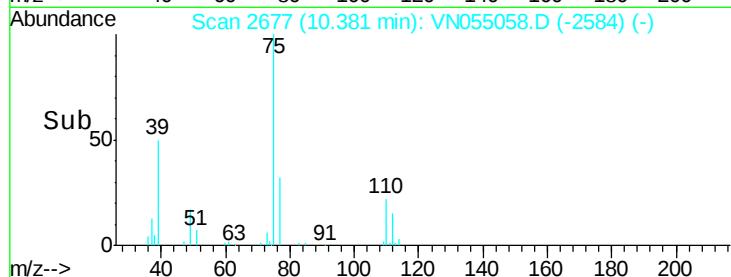
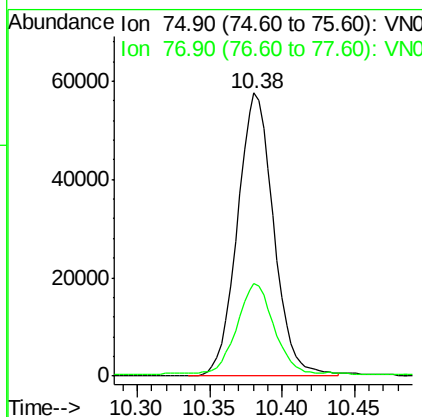
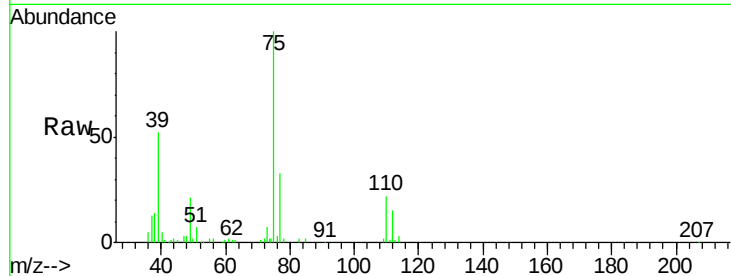
#53
t-1,3-Dichloropropene
Concen: 18.787 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN055058.D
Acq: 15 Apr 2019 22:12

Instrument :
MSVOA_N
ClientSampleId :
VN0415WBSD01

Tot Ion: 75 Resp: 100079
Ion Ratio Lower Upper
75 100
77 31.7 24.6 37.0

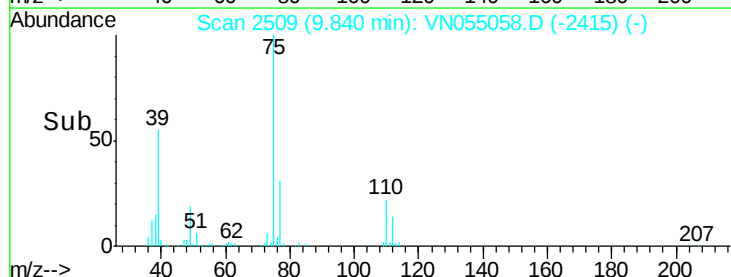
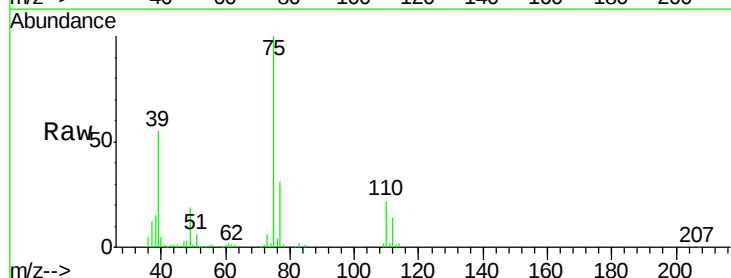
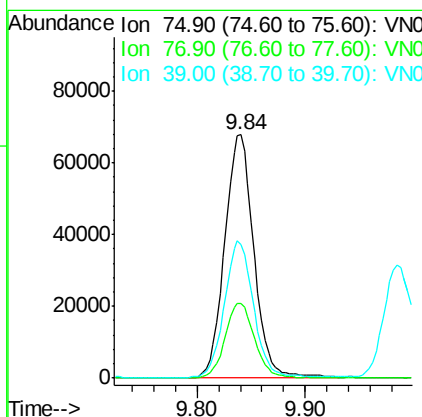
Manual Integrations
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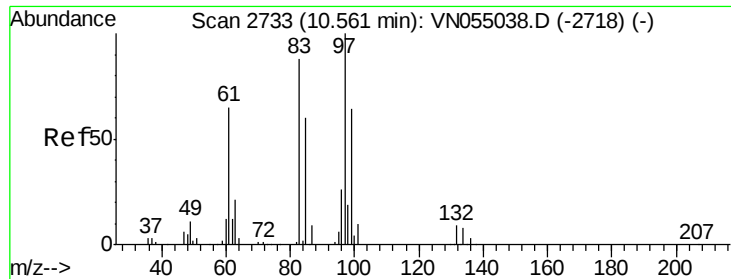
MMDadoda
4/17/2019 10:06:14 AM



#54
cis-1,3-Dichloropropene
Concen: 19.417 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN055058.D
Acq: 15 Apr 2019 22:12

Tgt Ion: 75 Resp: 128371
Ion Ratio Lower Upper
75 100
77 30.9 25.8 38.6
39 54.7 43.8 65.8





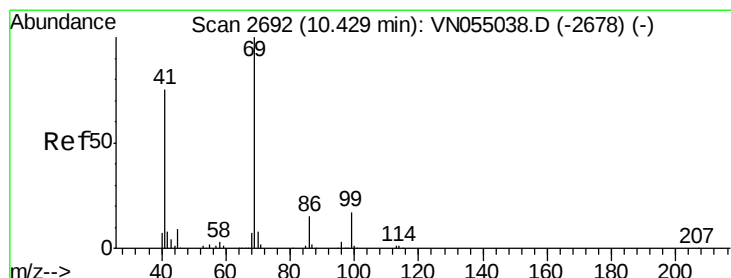
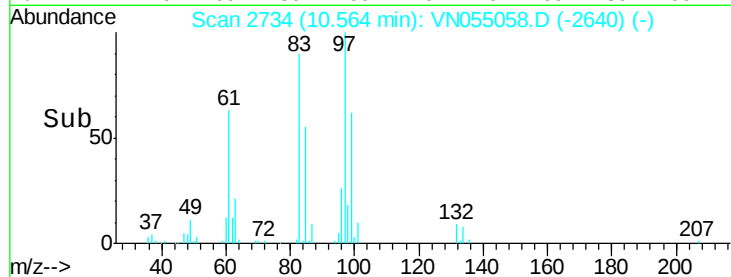
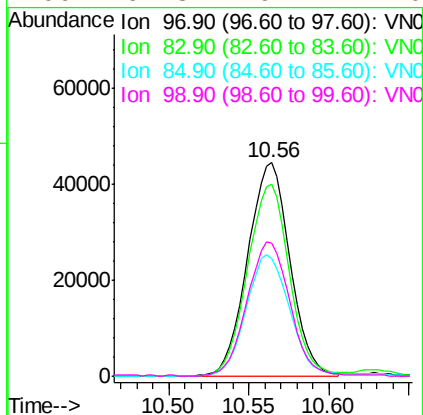
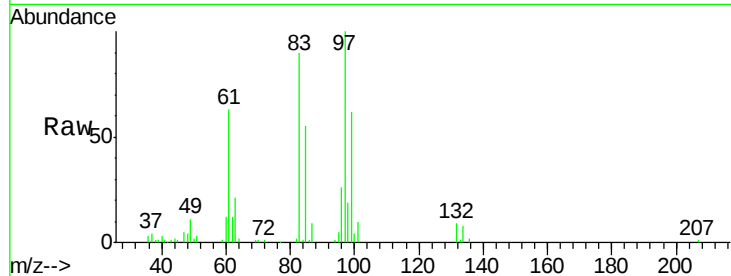
#55
 1,1,2-Trichloroethane
 Concen: 19.603 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN055058.D
 Acq: 15 Apr 2019 22:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0415WBSD01

Tot Ion:	97	Resp:	80566
Ion	Ratio	Lower	Upper
97	100		
83	89.8	70.5	105.7
85	55.1	45.5	68.3
99	62.3	49.4	74.0

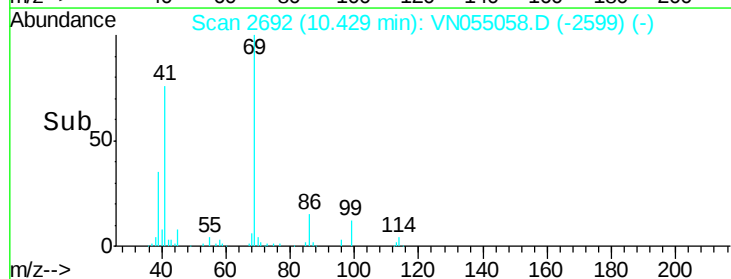
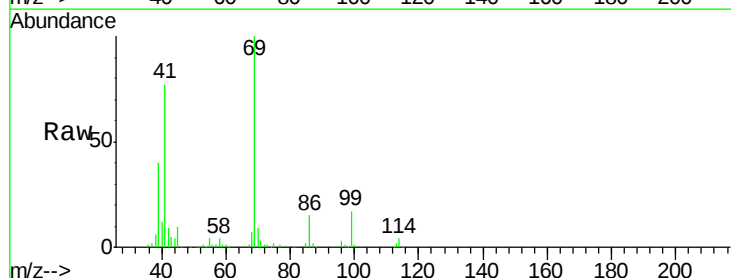
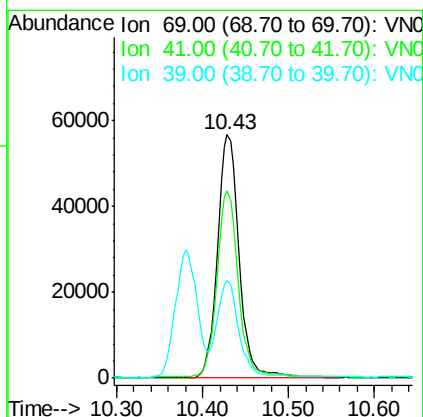
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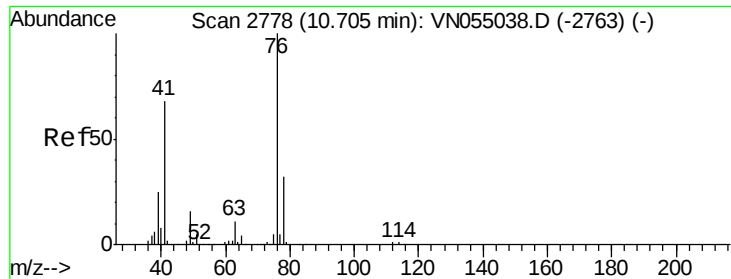
MMDadoda
 4/17/2019 10:06:14 AM



#56
 Ethyl methacrylate
 Concen: 20.259 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN055058.D
 Acq: 15 Apr 2019 22:12

Tgt Ion:	69	Resp:	99922
Ion	Ratio	Lower	Upper
69	100		
41	75.0	61.4	92.0
39	37.9	30.8	46.2





#57

1,3-Dichloropropane

Concen: 20.498 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN055058.D

Acq: 15 Apr 2019 22:12

Instrument :

MSVOA_N

ClientSampleId :

VN0415WBSD01

Tot Ion: 76 Resp: 143432

Ion Ratio Lower Upper

76 100

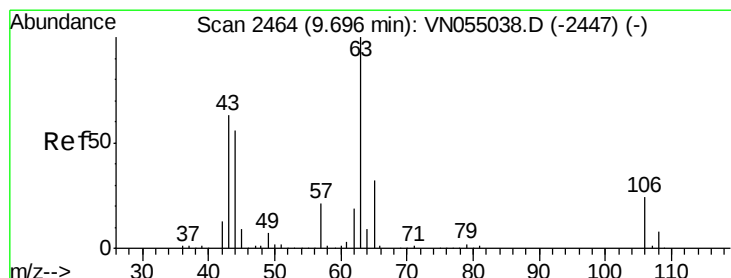
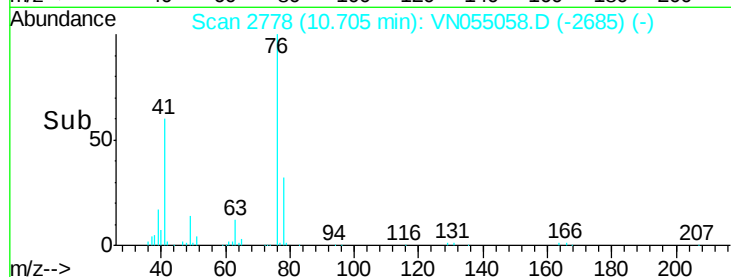
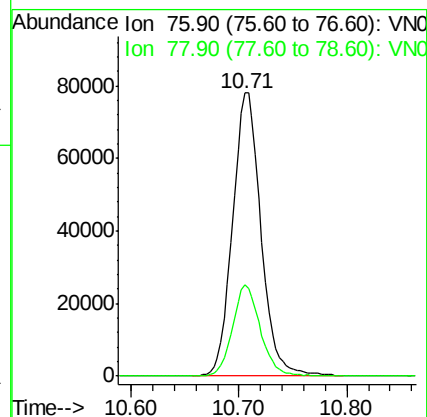
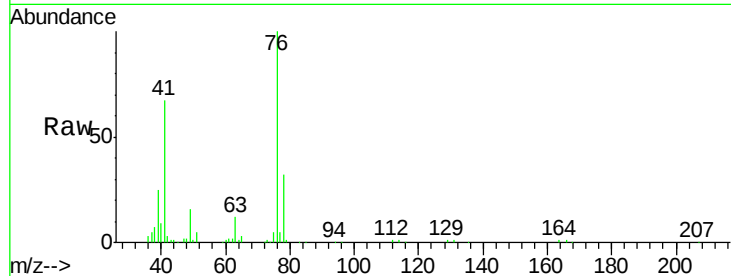
78 31.7 25.6 38.4

Manual Integrations

APPROVED

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4/17/2019 10:06:14 AM



#58

2-Chloroethyl Vinyl ether

Concen: 90.426 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN055058.D

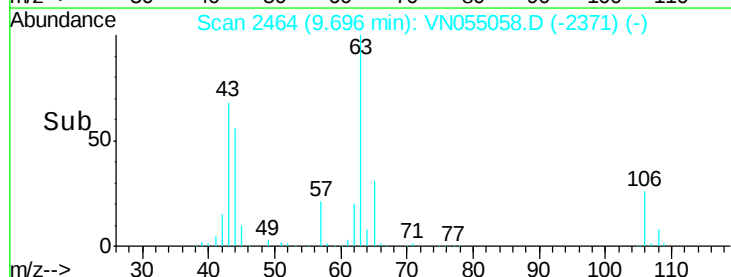
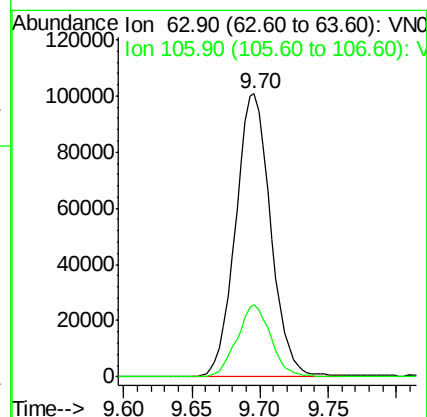
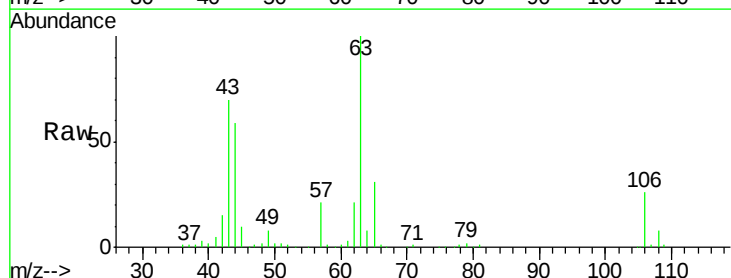
Acq: 15 Apr 2019 22:12

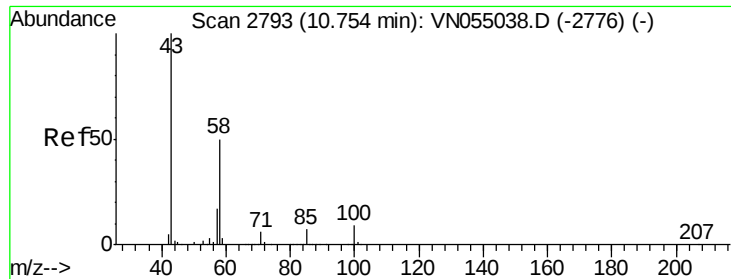
Tgt Ion: 63 Resp: 180383

Ion Ratio Lower Upper

63 100

106 24.6 20.0 30.0





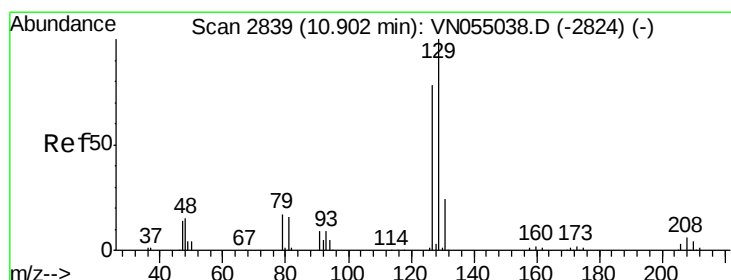
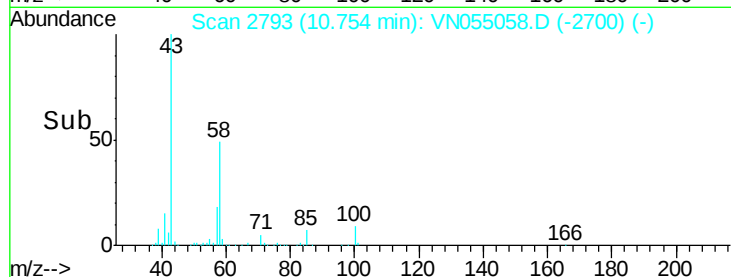
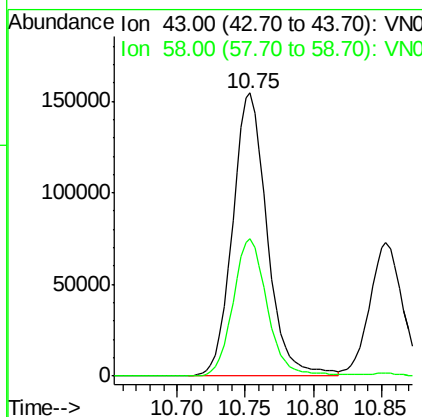
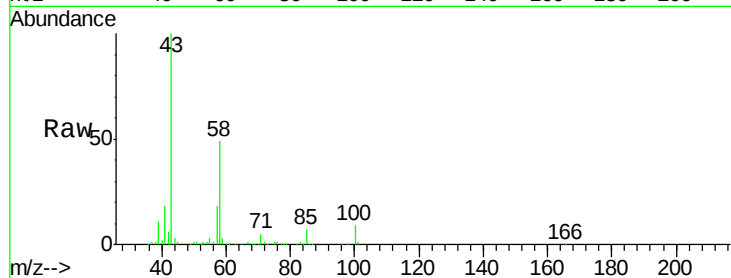
#59
2-Hexanone
Concen: 95.533 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN055058.D
Acq: 15 Apr 2019 22:12

Instrument :
MSVOA_N
ClientSampleId :
VN0415WBSD01

Tot Ion: 43 Resp: 268732
Ion Ratio Lower Upper
43 100
58 48.6 25.1 75.2

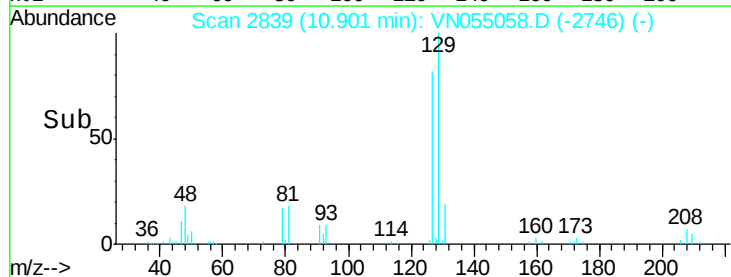
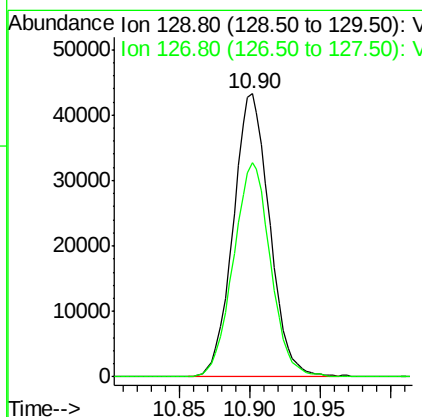
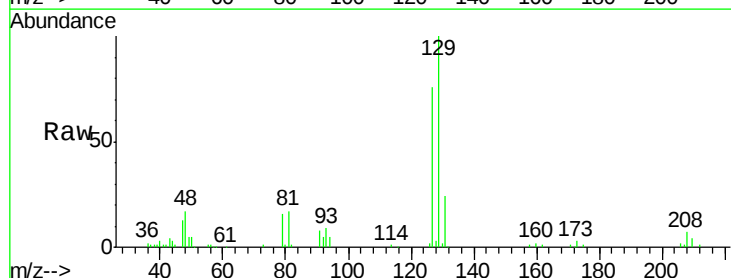
Manual Integrations
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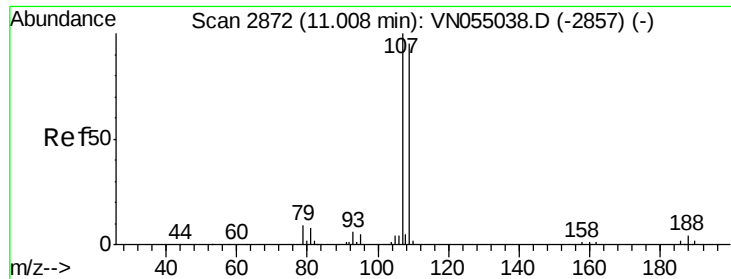
MMDadoda
4/17/2019 10:06:14 AM



#60
Dibromochloromethane
Concen: 19.514 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN055058.D
Acq: 15 Apr 2019 22:12

Tgt Ion: 129 Resp: 78313
Ion Ratio Lower Upper
129 100
127 76.9 38.2 114.6





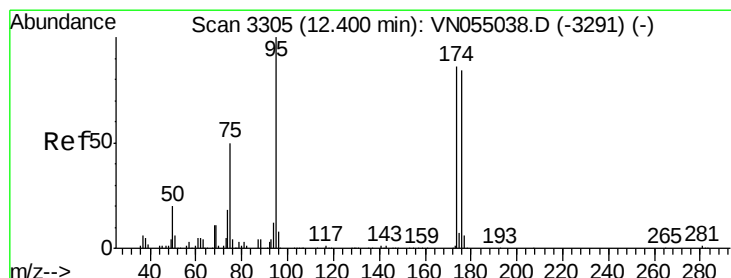
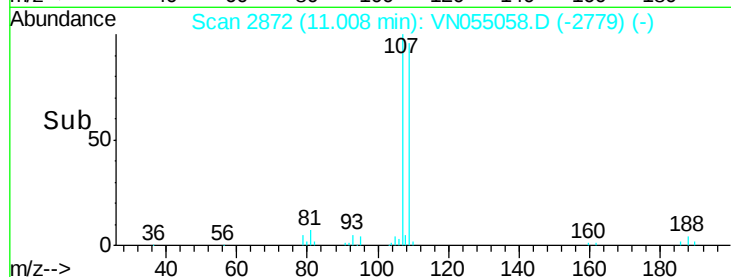
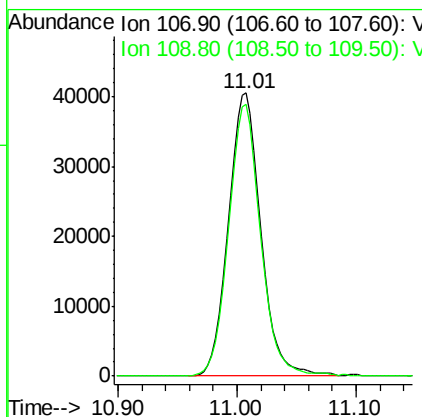
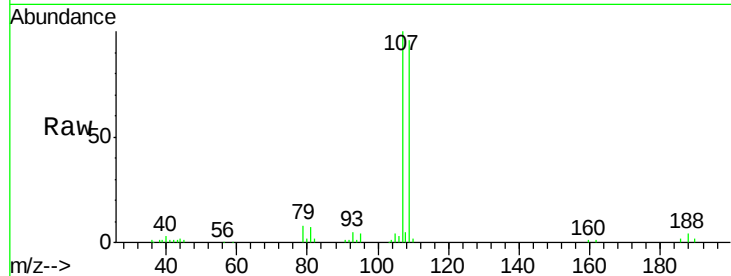
#61
 1,2-Dibromoethane
 Concen: 20.205 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VN055058.D
 Acq: 15 Apr 2019 22:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0415WBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.0	76.5	114.7

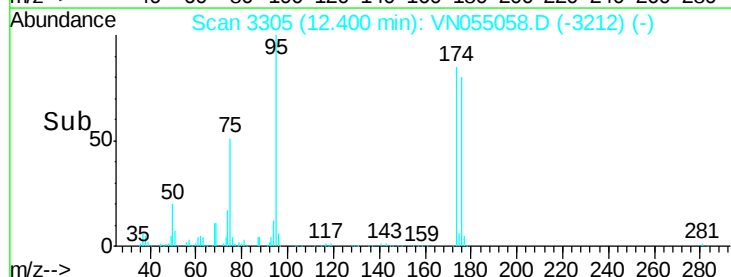
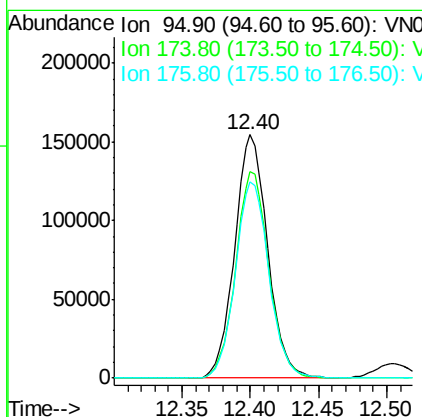
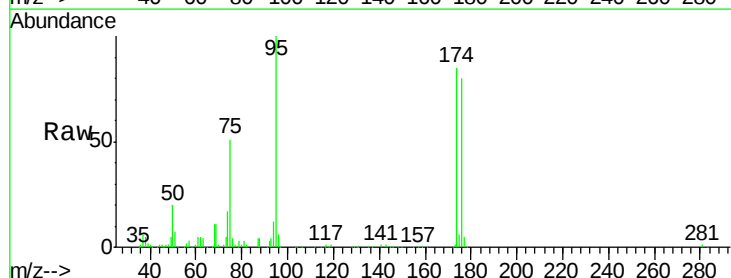
Manual Integrations
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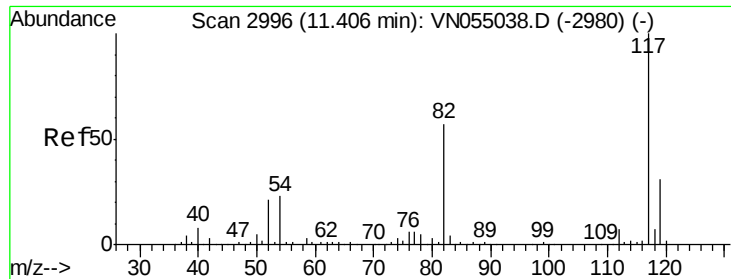
MMDadoda
 4/17/2019 10:06:14 AM



#62
 4-Bromofluorobenzene
 Concen: 50.921 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN055058.D
 Acq: 15 Apr 2019 22:12

Tgt Ion	Ratio	Lower	Upper
95	100		
174	85.0	0.0	174.4
176	81.8	0.0	166.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN055058.D

Acq: 15 Apr 2019 22:12

Instrument :

MSVOA_N

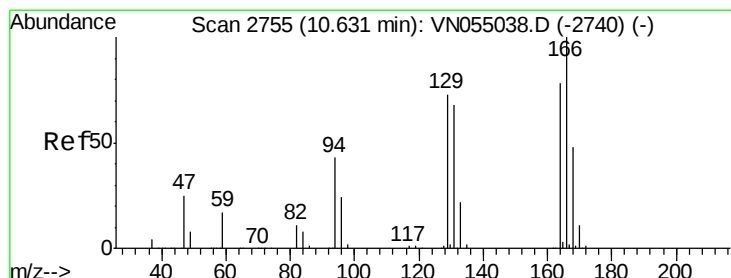
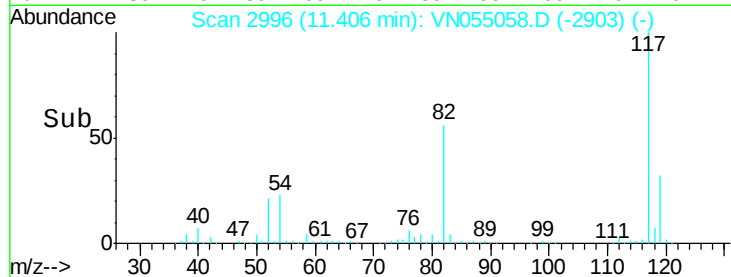
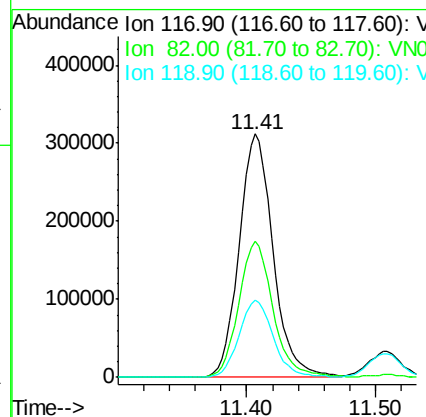
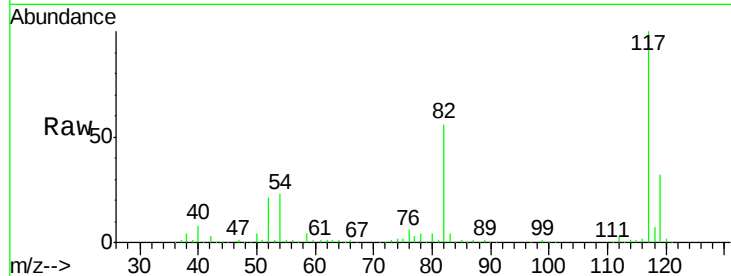
ClientSampleId :

VN0415WBSD01

Tot Ion:	117	Resp:	571669
Ion Ratio	Lower	Upper	
117	100		
82	55.9	44.6	66.8
119	31.5	25.5	38.3

Manual Integrations
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#64

Tetrachloroethene

Concen: 19.072 ug/l

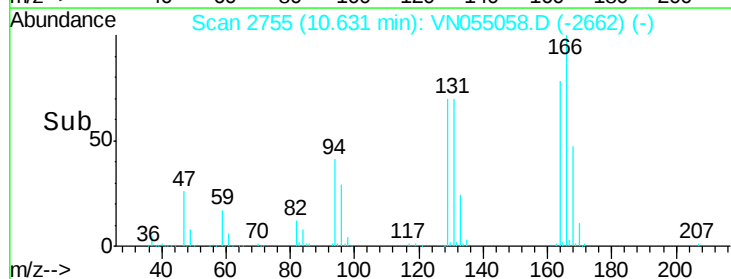
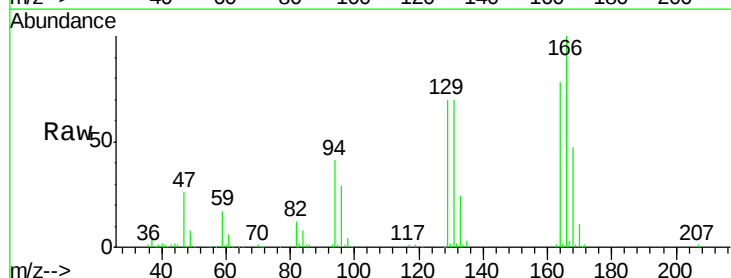
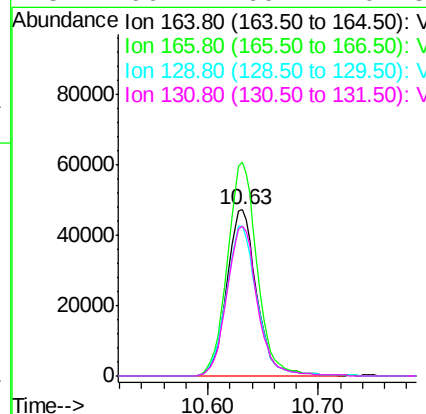
RT: 10.63 min Scan# 2755

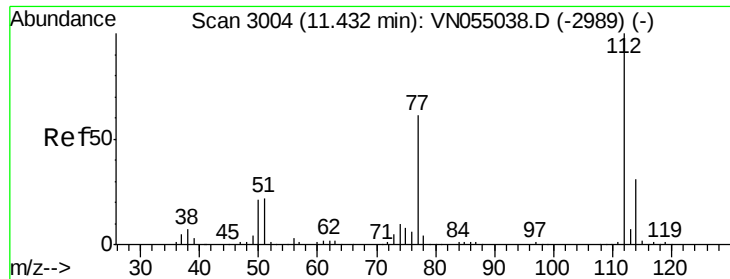
Delta R.T. -0.00 min

Lab File: VN055058.D

Acq: 15 Apr 2019 22:12

Tgt Ion:	164	Resp:	88656
Ion Ratio	Lower	Upper	
164	100		
166	128.4	100.0	150.0
129	90.1	72.0	108.0
131	90.4	69.7	104.5





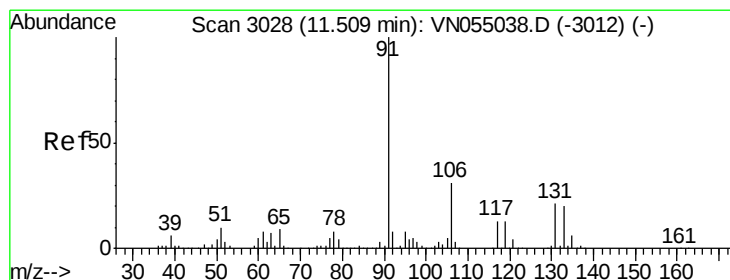
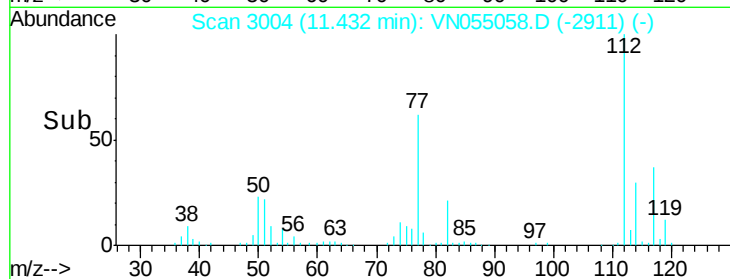
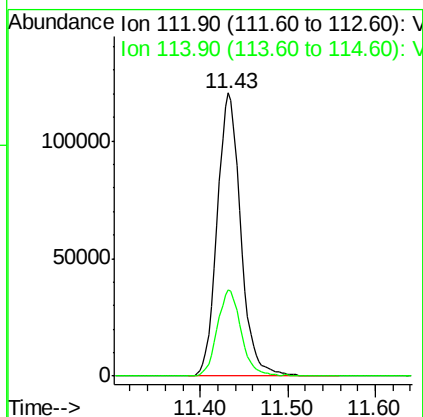
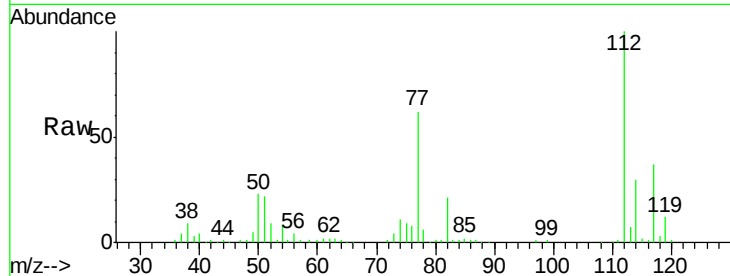
#65
Chlorobenzene
Concen: 19.559 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN055058.D
Acq: 15 Apr 2019 22:12

Instrument :
MSVOA_N
ClientSampleId :
VN0415WBSD01

Tot Ion:112 Resp: 225070
Ion Ratio Lower Upper
112 100
114 30.5 25.3 37.9

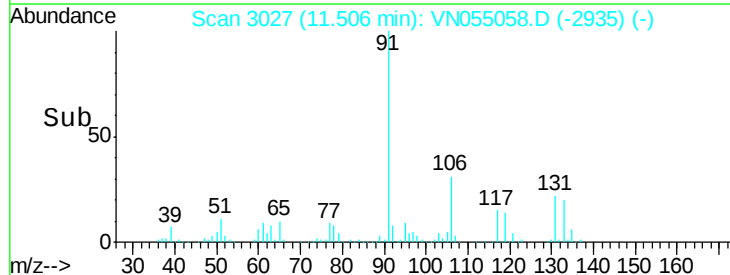
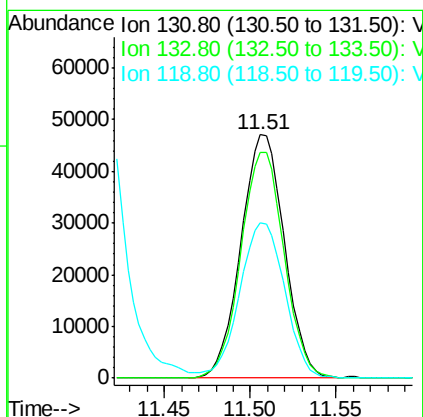
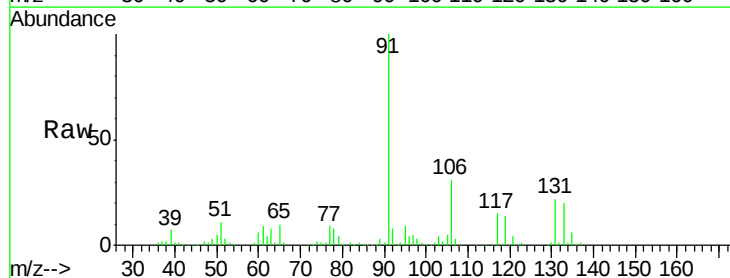
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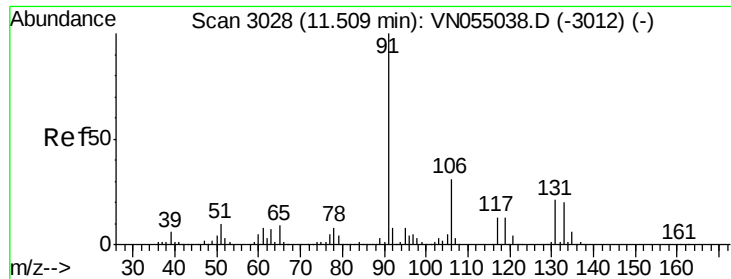
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.586 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN055058.D
Acq: 15 Apr 2019 22:12

Tgt Ion:131 Resp: 82892
Ion Ratio Lower Upper
131 100
133 92.3 47.8 143.3
119 66.2 33.6 100.6





#67

Ethyl Benzene

Concen: 19.379 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN055058.D

Acq: 15 Apr 2019 22:12

Instrument :

MSVOA_N

ClientSampled :

VN0415WBSD01

Tot Ion: 91 Resp: 398240

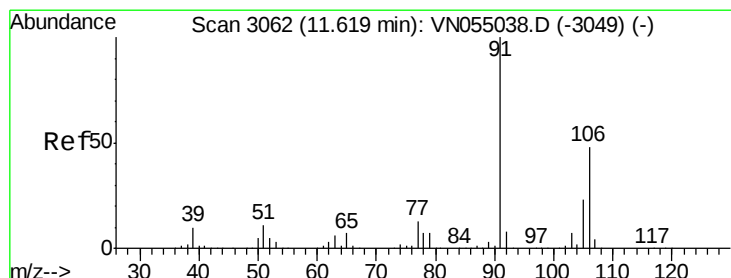
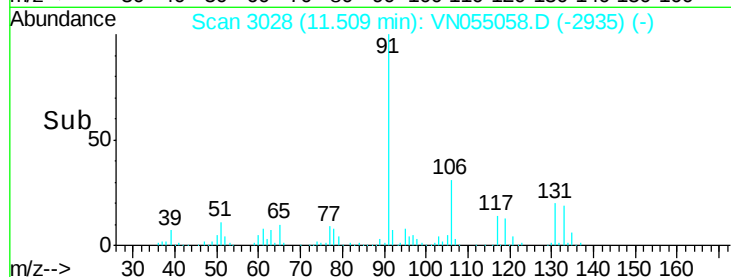
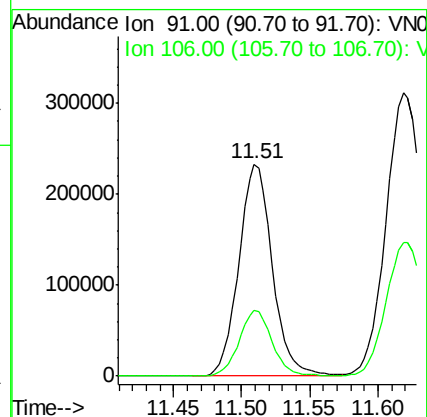
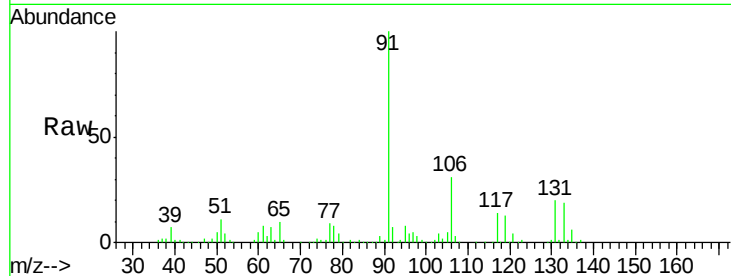
Ion Ratio Lower Upper

91 100

106 30.8 24.3 36.5

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#68

m/p-Xylenes

Concen: 39.434 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN055058.D

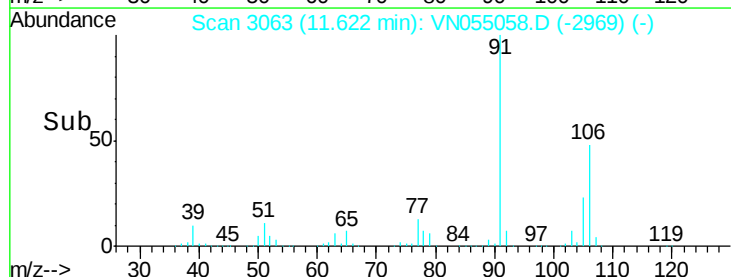
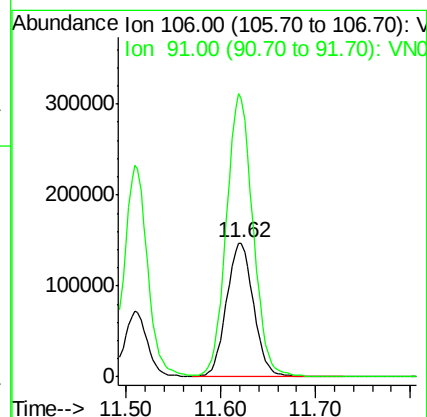
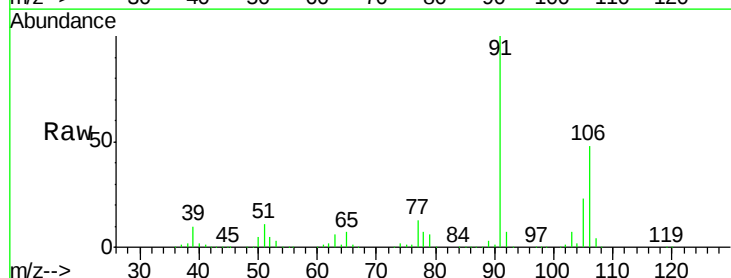
Acq: 15 Apr 2019 22:12

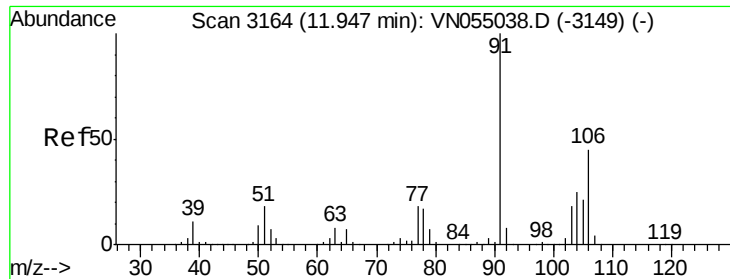
Tgt Ion: 106 Resp: 293442

Ion Ratio Lower Upper

106 100

91 207.9 165.9 248.9





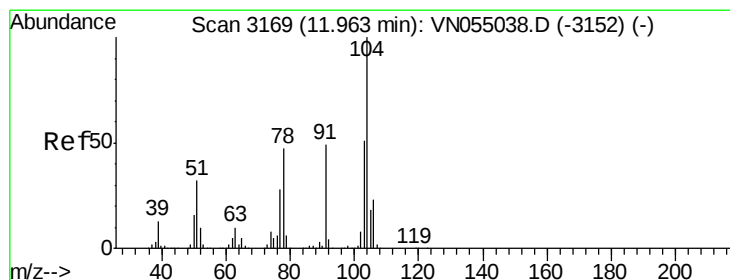
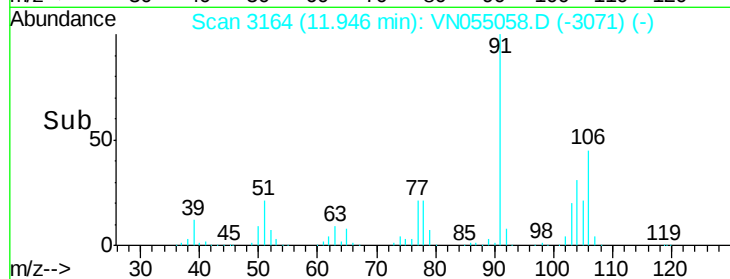
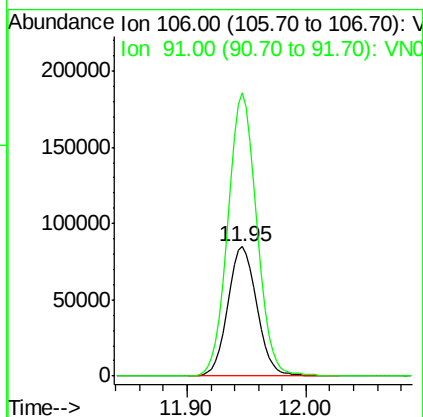
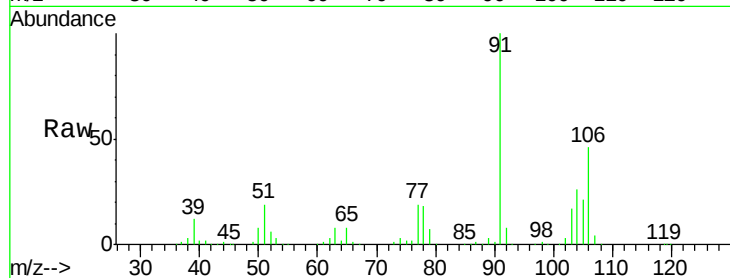
#69
o-Xylene
Concen: 20.000 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN055058.D
Acq: 15 Apr 2019 22:12

Instrument :
MSVOA_N
ClientSampleId :
VN0415WBSD01

Tot Ion:106 Resp: 144150
Ion Ratio Lower Upper
106 100
91 217.3 109.9 329.8

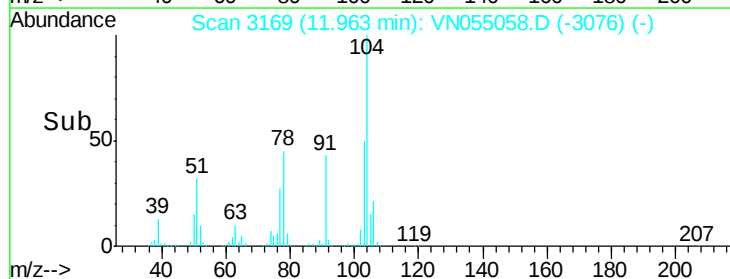
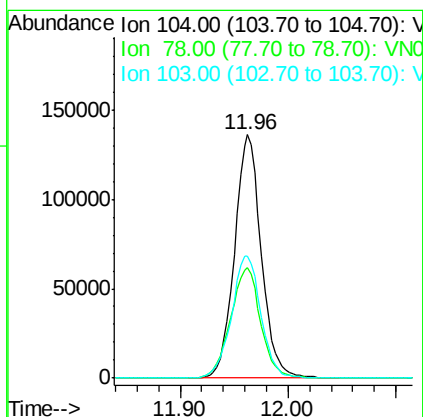
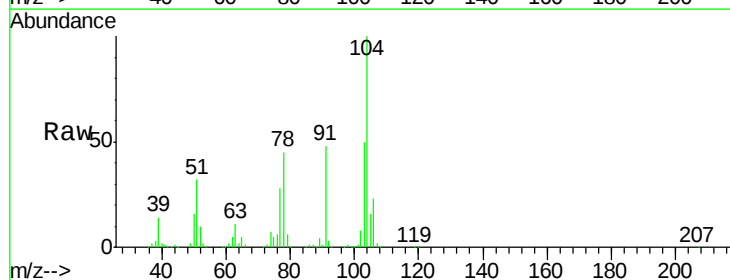
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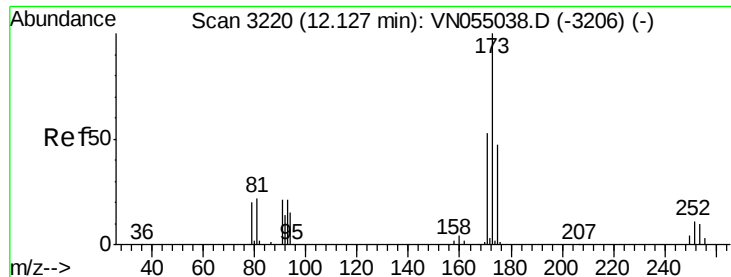
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#70
Styrene
Concen: 20.180 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN055058.D
Acq: 15 Apr 2019 22:12

Tgt Ion:104 Resp: 235434
Ion Ratio Lower Upper
104 100
78 51.2 40.3 60.5
103 55.2 44.3 66.5





#71

Bromoform

Concen: 19.514 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN055058.D

Acq: 15 Apr 2019 22:12

Instrument :

MSVOA_N

ClientSampleId :

VN0415WBSD01

Tot Ion:173 Resp: 47338

Ion Ratio Lower Upper

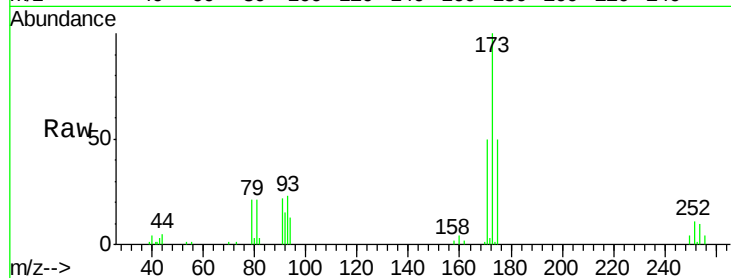
173 100

175 47.5 24.3 73.0

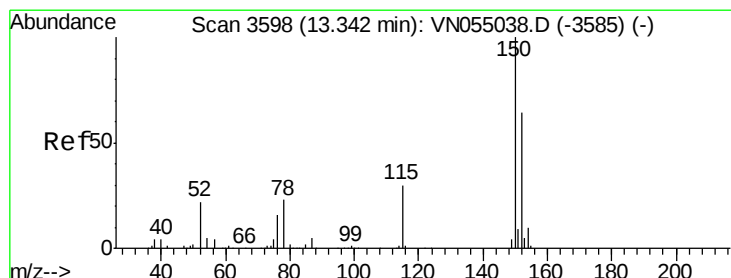
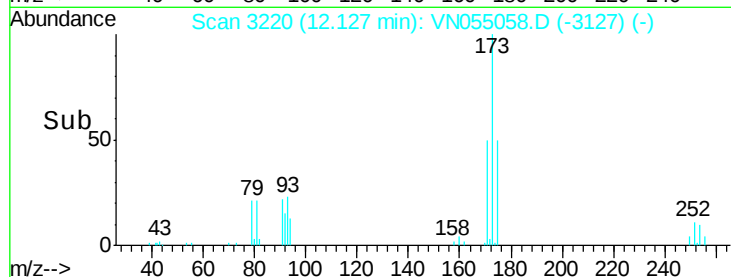
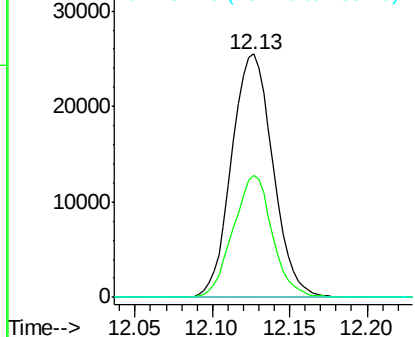
254 0.0 0.1 0.1#

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN055058.D

Acq: 15 Apr 2019 22:12

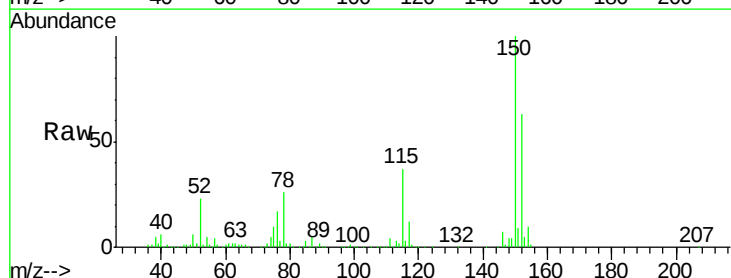
Tgt Ion:152 Resp: 226767

Ion Ratio Lower Upper

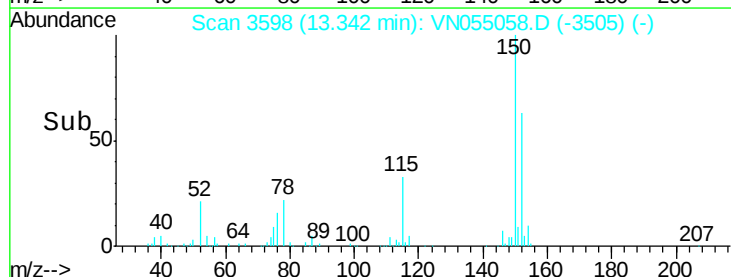
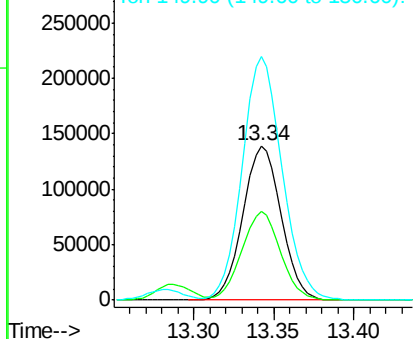
152 100

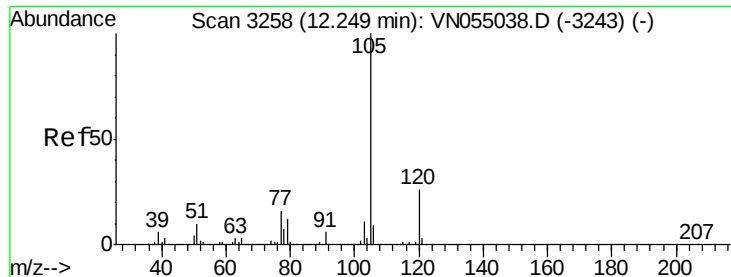
115 58.4 28.5 85.6

150 164.9 0.0 347.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 18.905 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN055058.D

Acq: 15 Apr 2019 22:12

Instrument :

MSVOA_N

ClientSampled :

VN0415WBSD01

Tot Ion: 105 Resp: 380425

Ion Ratio Lower Upper

105 100

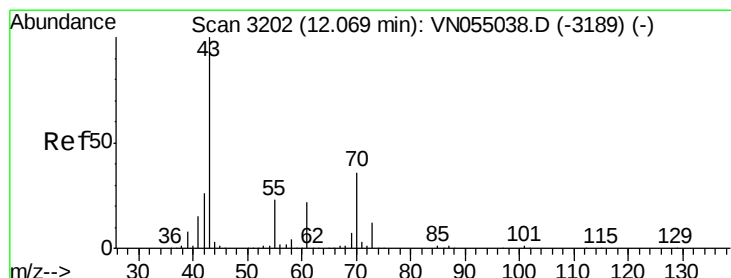
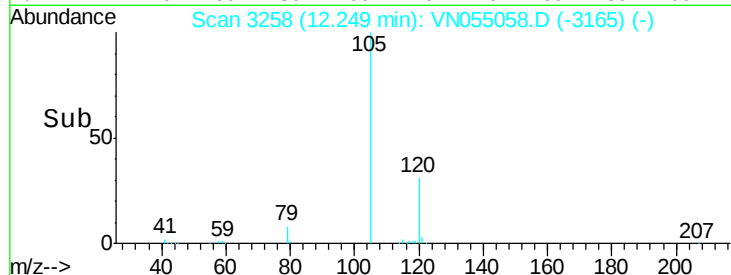
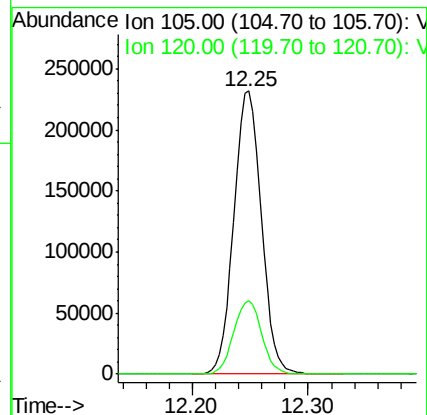
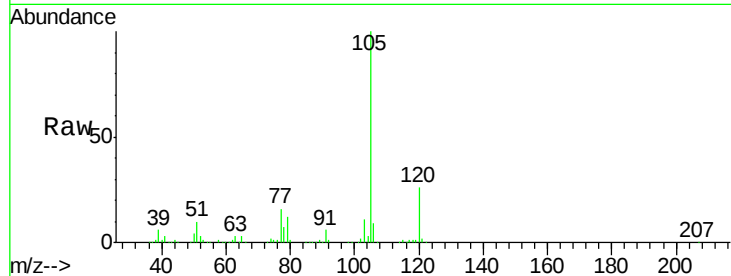
120 26.4 13.3 39.9

Manual Integrations

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#74

N-ethyl acetate

Concen: 19.551 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN055058.D

Acq: 15 Apr 2019 22:12

Tgt Ion: 43 Resp: 110750

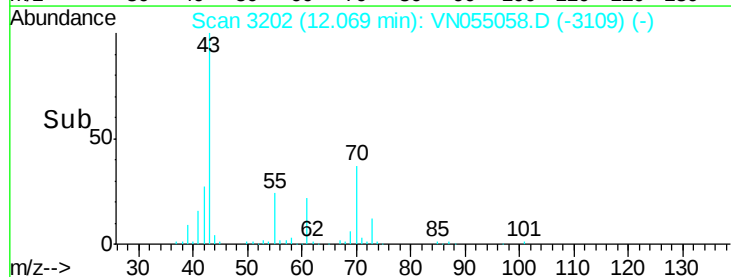
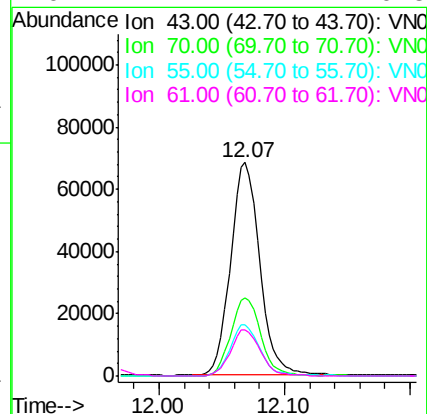
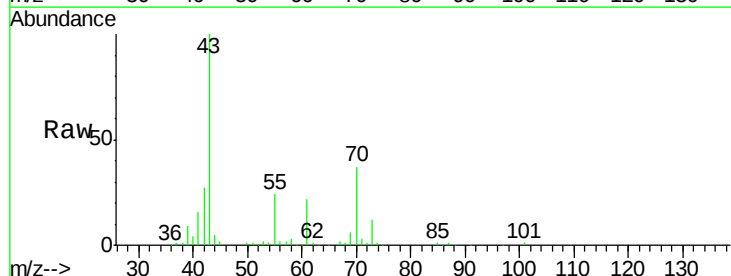
Ion Ratio Lower Upper

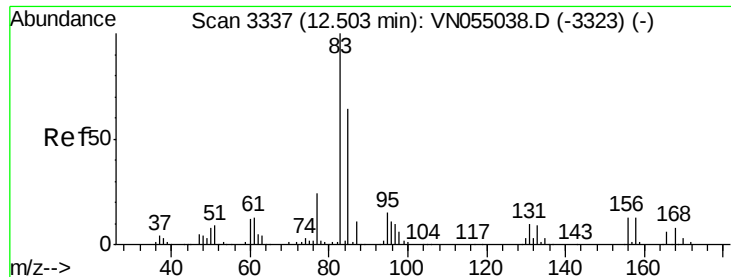
43 100

70 37.6 29.4 44.0

55 24.8 19.0 28.4

61 22.4 17.7 26.5





#75

1,1,2,2-Tetrachloroethane

Concen: 18.163 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN055058.D

Acq: 15 Apr 2019 22:12

Instrument :

MSVOA_N

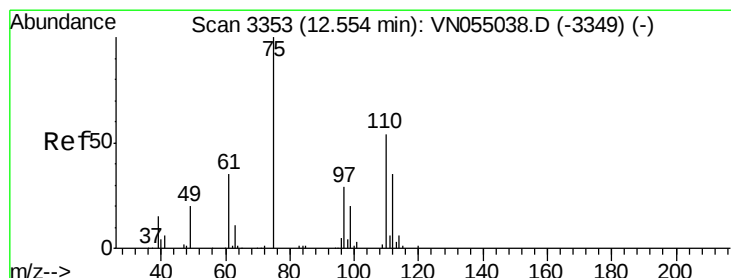
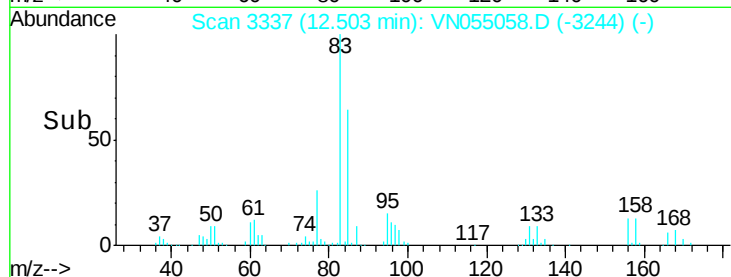
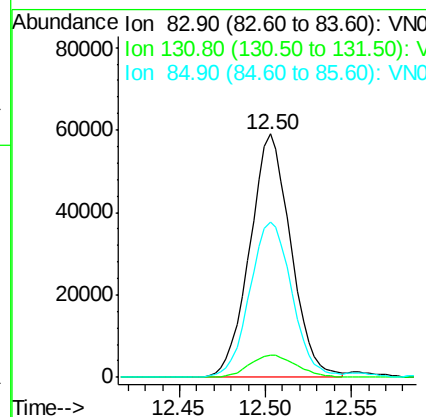
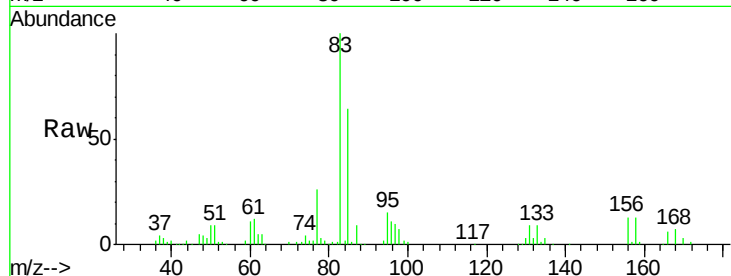
ClientSampleId :

VN0415WBSD01

Tot Ion:	83	Resp:	97795
Ion	Ratio	Lower	Upper
83	100		
131	10.3	5.0	15.0
85	65.6	32.3	96.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 17.576 ug/l m

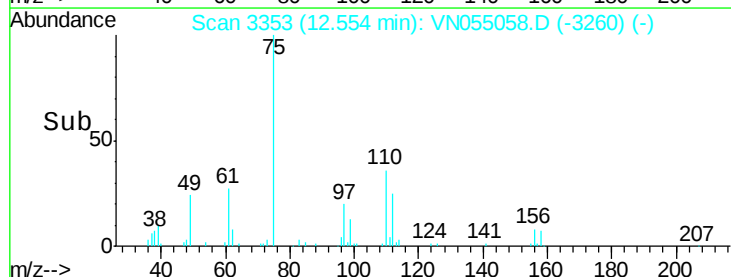
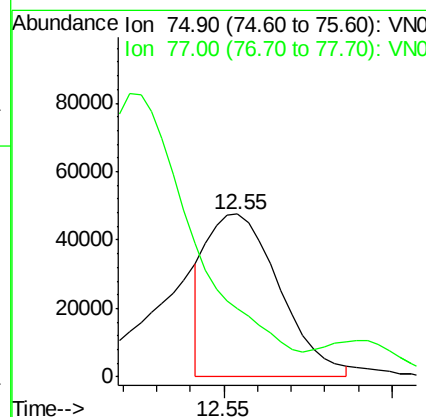
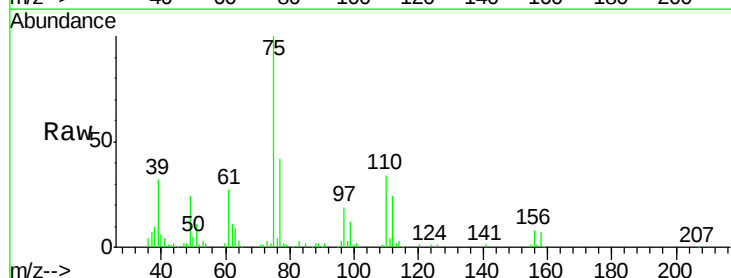
RT: 12.55 min Scan# 3353

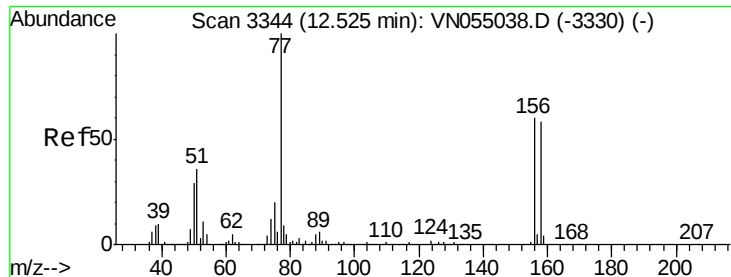
Delta R.T. -0.00 min

Lab File: VN055058.D

Acq: 15 Apr 2019 22:12

Tgt Ion:	75	Resp:	71670
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





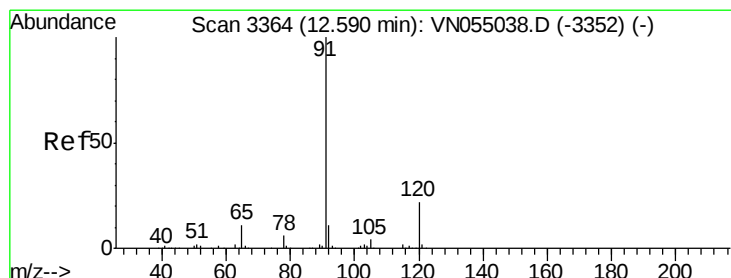
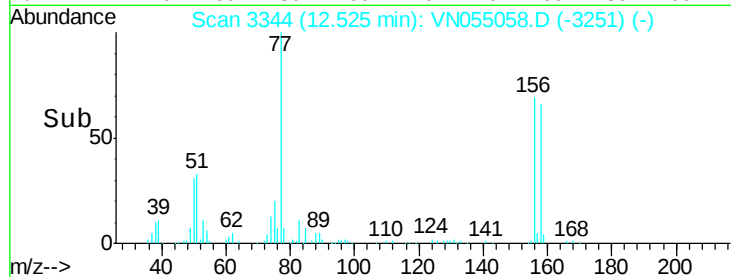
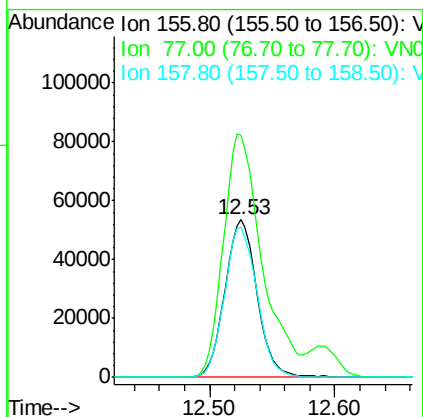
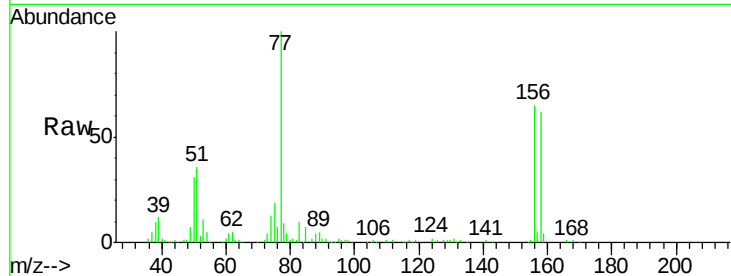
#77
Bromobenzene
Concen: 18.777 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. -0.00 min
Lab File: VN055058.D
Acq: 15 Apr 2019 22:12

Instrument :
MSVOA_N
ClientSampled :
VN0415WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	188.3	97.2	291.5	
158	97.7	48.6	145.9	

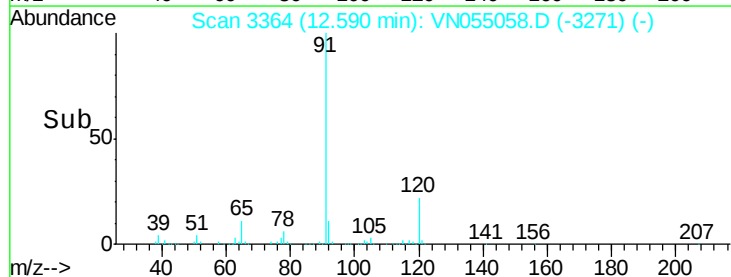
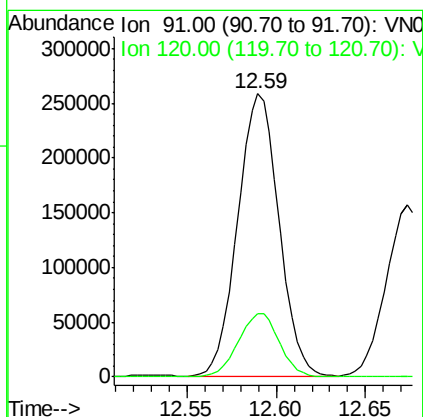
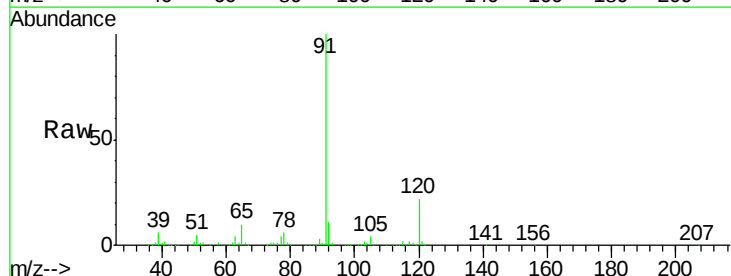
Manual Integrations
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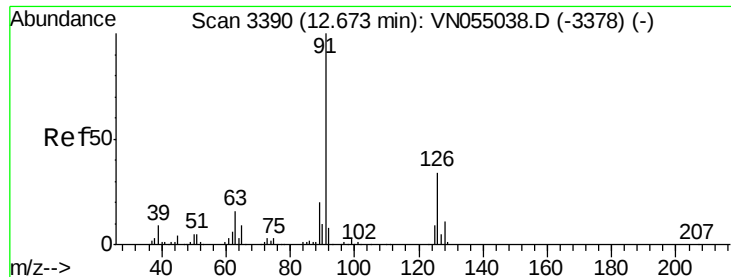
MMDadoda
4/17/2019 10:06:14 AM



#78
n-propylbenzene
Concen: 19.153 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. -0.00 min
Lab File: VN055058.D
Acq: 15 Apr 2019 22:12

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	22.3	11.2	33.5	





#79

2-Chlorotoluene

Concen: 19.203 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN055058.D

Acq: 15 Apr 2019 22:12

Instrument :

MSVOA_N

ClientSampleId :

VN0415WBSD01

Tot Ion: 91 Resp: 260407

Ion Ratio Lower Upper

91 100

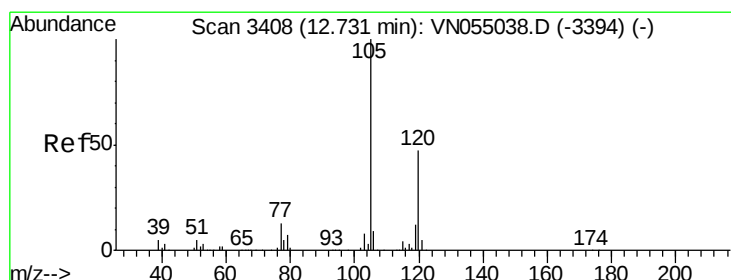
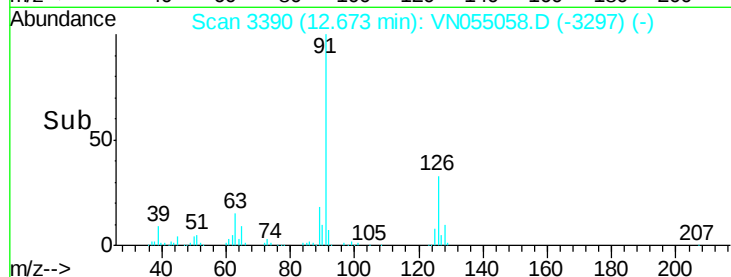
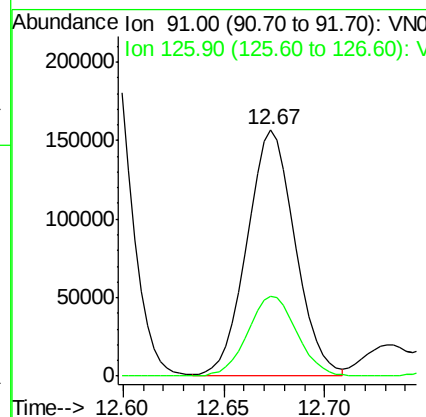
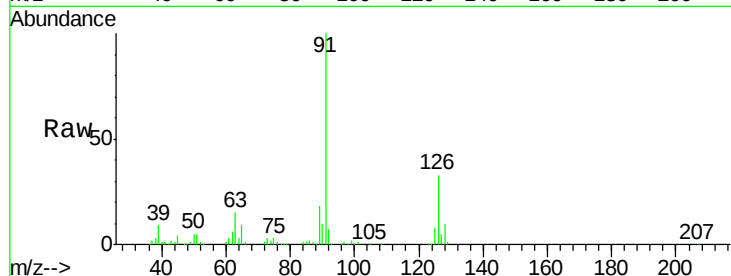
126 33.5 17.1 51.2

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 18.997 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN055058.D

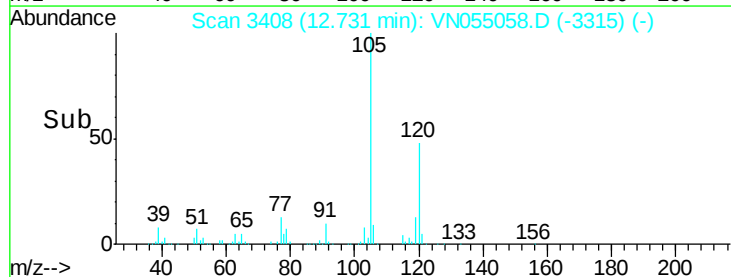
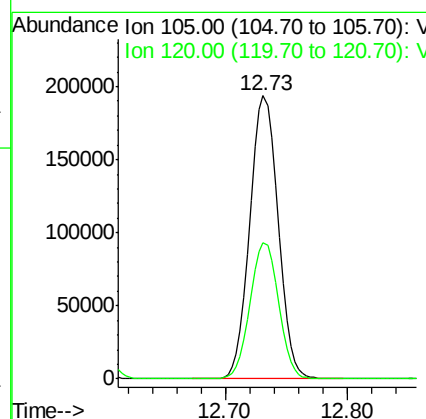
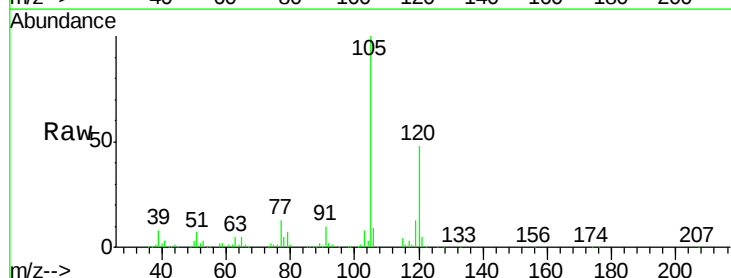
Acq: 15 Apr 2019 22:12

Tgt Ion: 105 Resp: 308496

Ion Ratio Lower Upper

105 100

120 48.6 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 17.965 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN055058.D

Acq: 15 Apr 2019 22:12

Instrument :

MSVOA_N

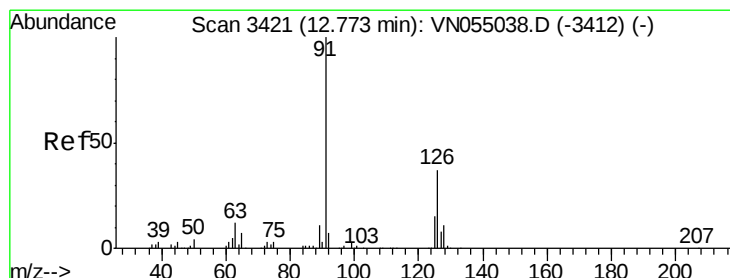
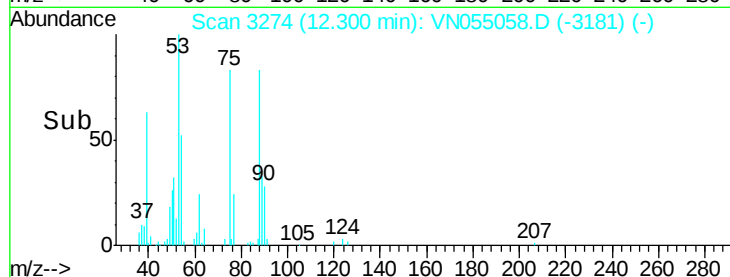
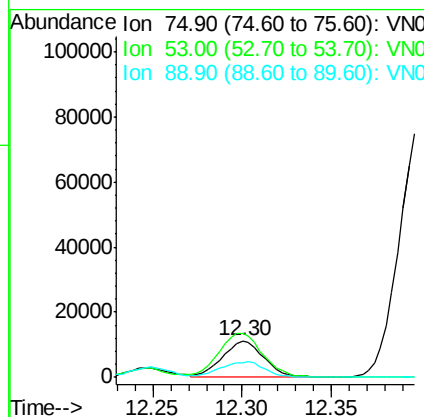
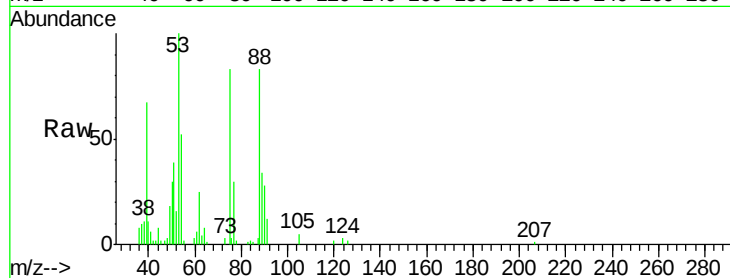
ClientSampleId :

VN0415WBSD01

Tot Ion:	75	Resp:	18320
Ion	Ratio	Lower	Upper
75	100		
53	121.0	96.3	144.5
89	45.0	38.6	57.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.228 ug/l

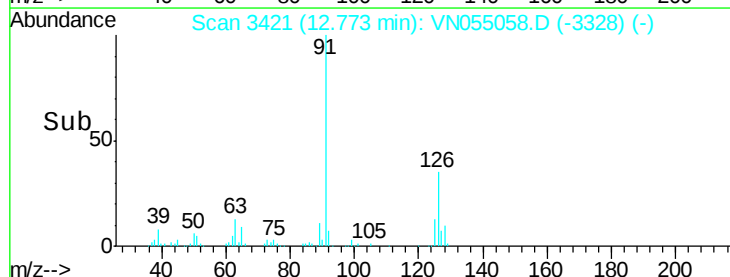
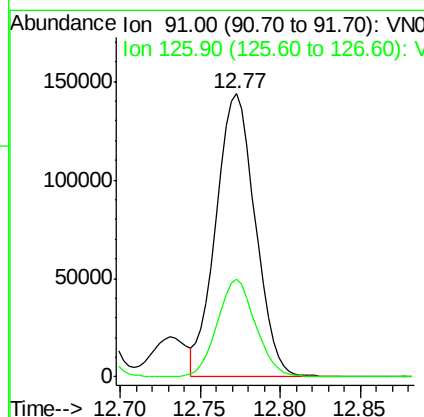
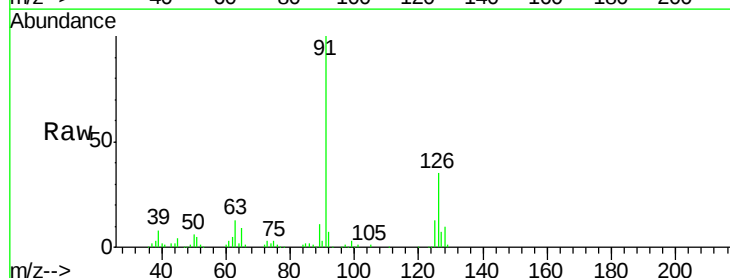
RT: 12.77 min Scan# 3421

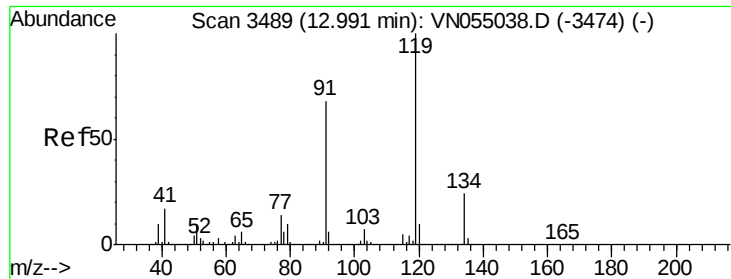
Delta R.T. -0.00 min

Lab File: VN055058.D

Acq: 15 Apr 2019 22:12

Tgt Ion:	91	Resp:	243273
Ion	Ratio	Lower	Upper
91	100		
126	33.7	16.4	49.2





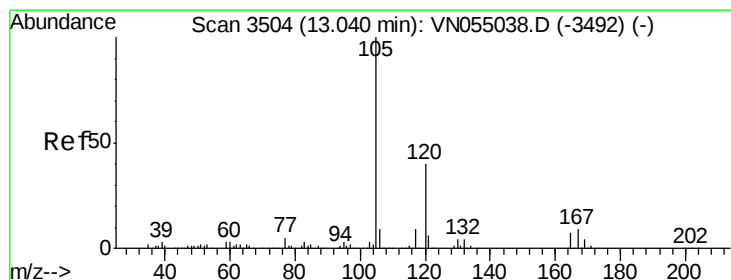
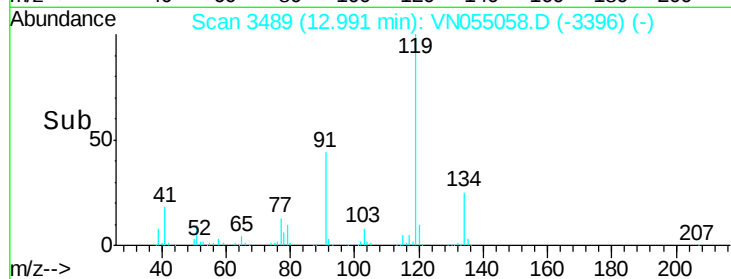
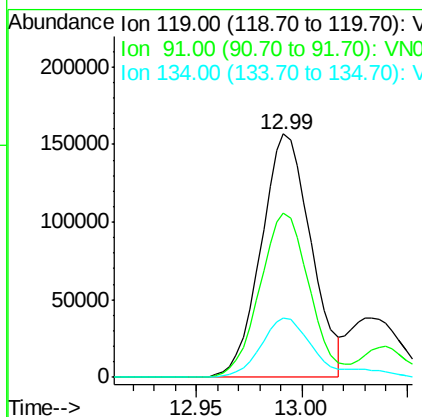
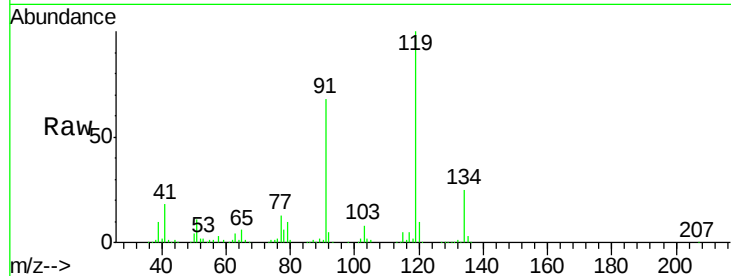
#83
 tert-Butylbenzene
 Concen: 18.786 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. -0.00 min
 Lab File: VN055058.D
 Acq: 15 Apr 2019 22:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0415WBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.1	33.3	99.8
134	24.4	12.3	36.9

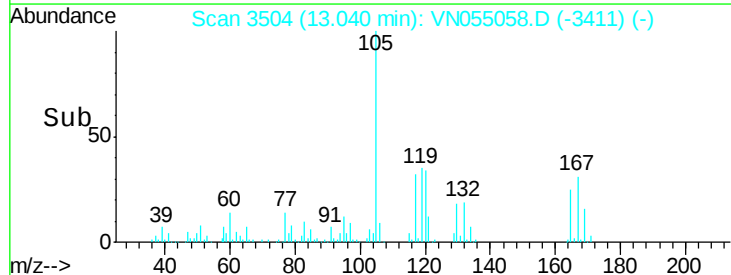
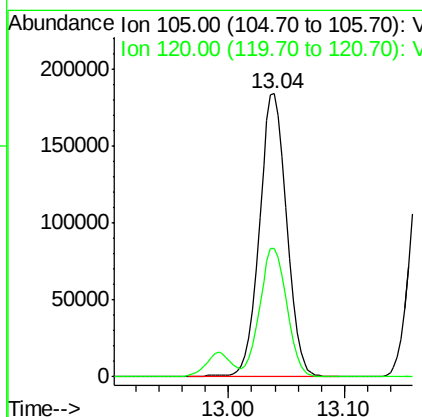
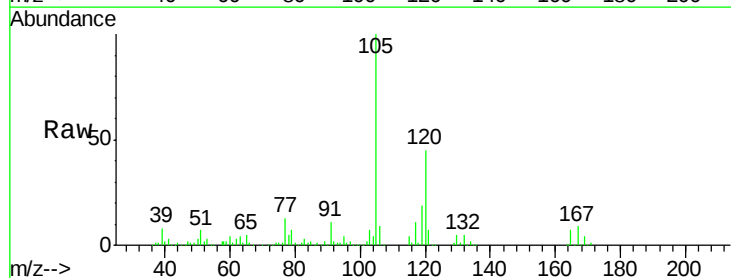
Manual Integrations
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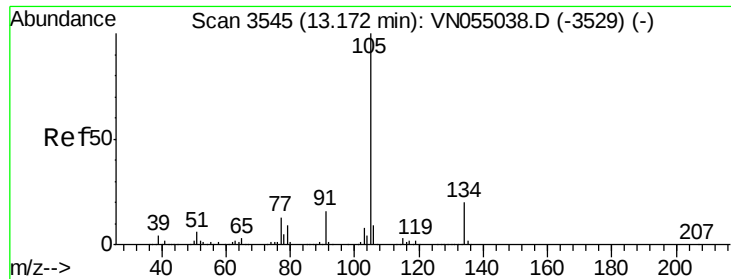
MMDadoda
 4/17/2019 10:06:14 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 19.593 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN055058.D
 Acq: 15 Apr 2019 22:12

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.1	22.4	67.3





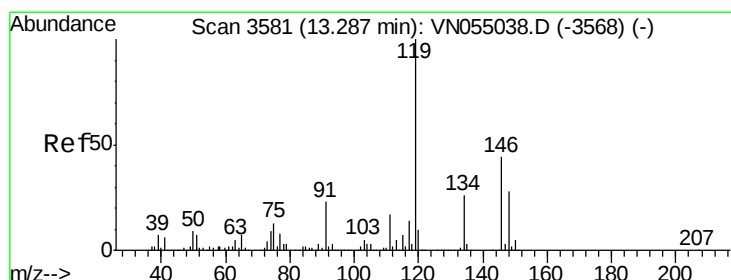
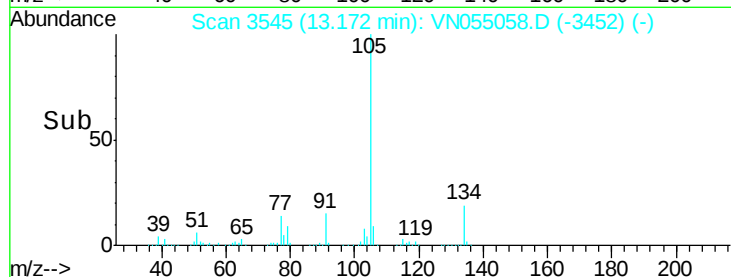
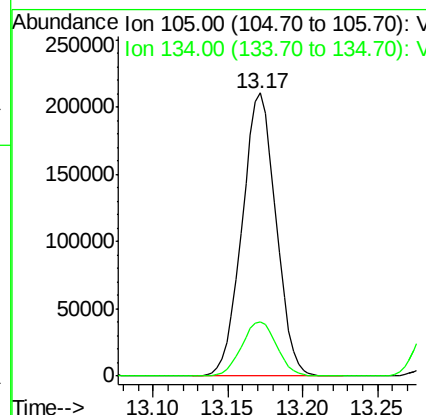
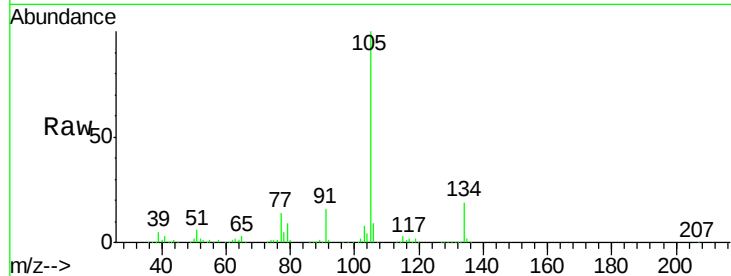
#85
 sec-Butylbenzene
 Concen: 18.986 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN055058.D
 Acq: 15 Apr 2019 22:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0415WBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.8	9.8	29.3

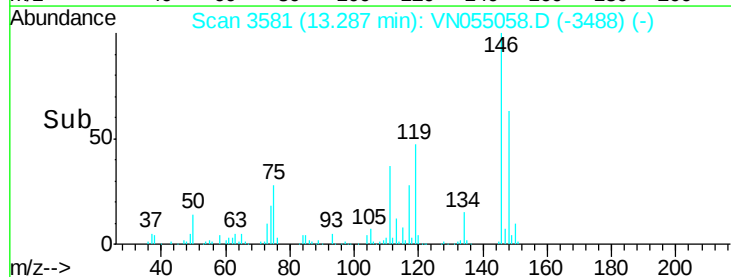
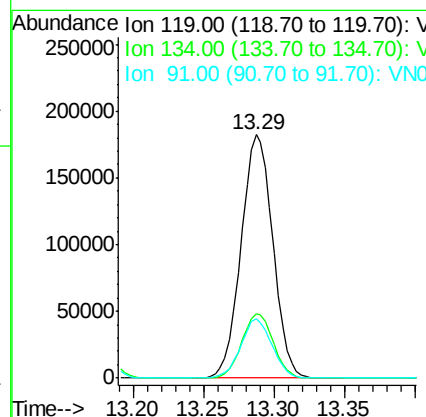
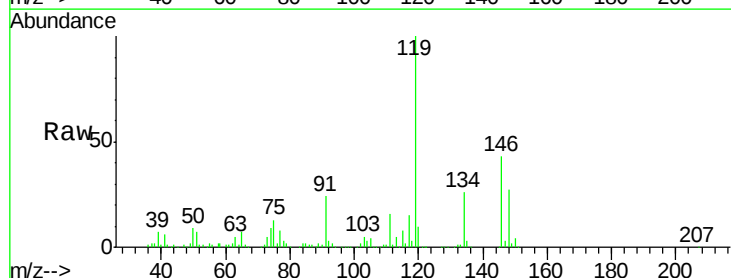
Manual Integrations
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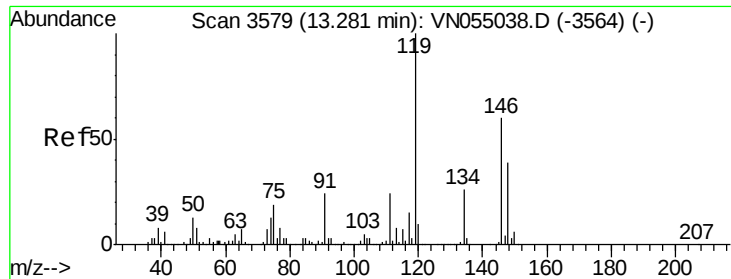
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 4/17/2019 10:06:14 AM



#86
 p-Isopropyltoluene
 Concen: 19.203 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN055058.D
 Acq: 15 Apr 2019 22:12

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.2	13.2	39.5
91	23.6	11.7	35.1





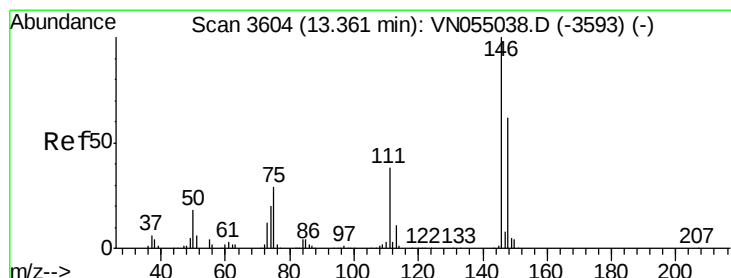
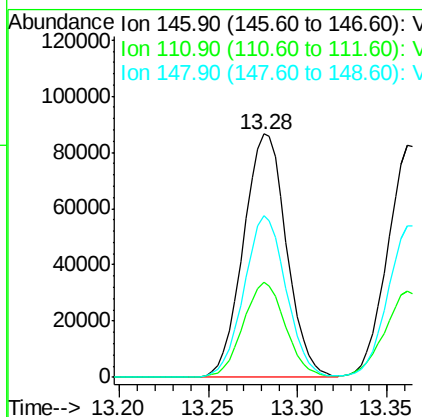
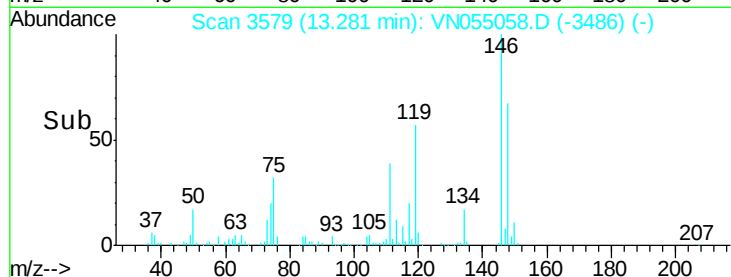
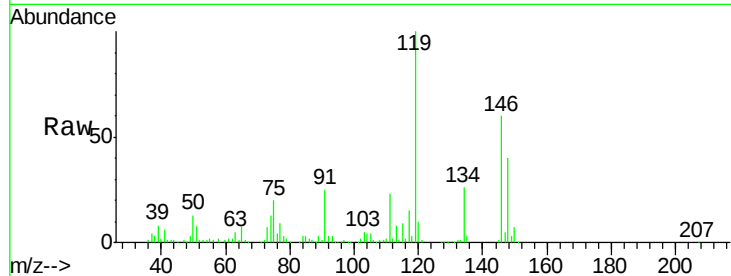
#87
 1,3-Dichlorobenzene
 Concen: 19.163 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN055058.D
 Acq: 15 Apr 2019 22:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0415WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	146121		
111	38.2	19.5	58.5	
148	64.9	31.6	94.7	

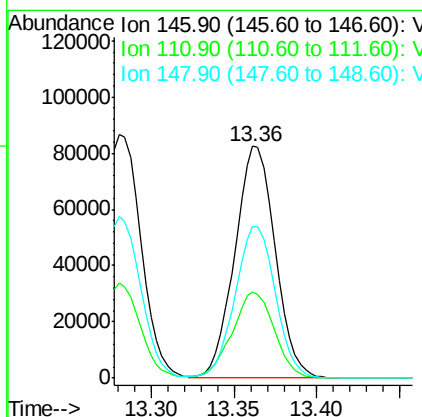
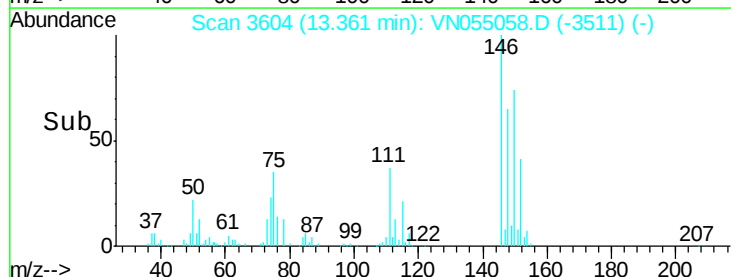
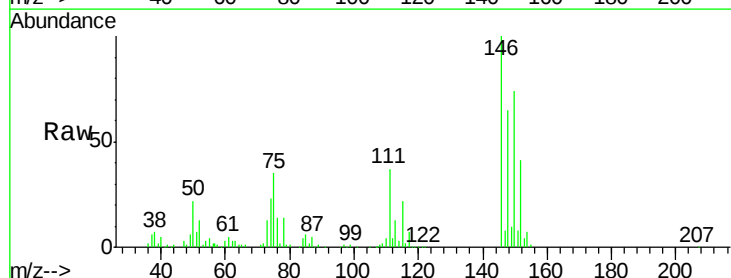
Manual Integrations
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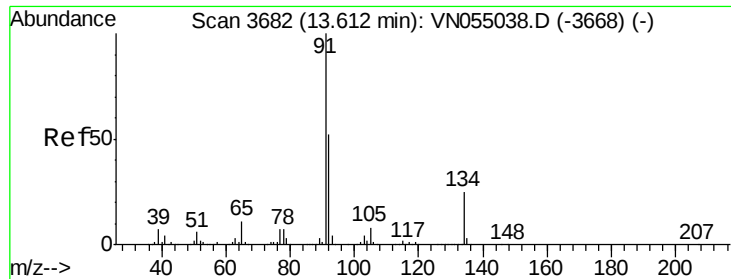
MMDadoda
 4/17/2019 10:06:14 AM



#88
 1,4-Dichlorobenzene
 Concen: 19.285 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN055058.D
 Acq: 15 Apr 2019 22:12

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	140228		
111	38.6	18.8	56.4	
148	65.3	32.4	97.2	





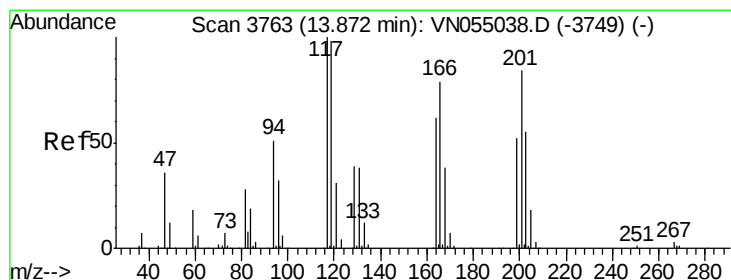
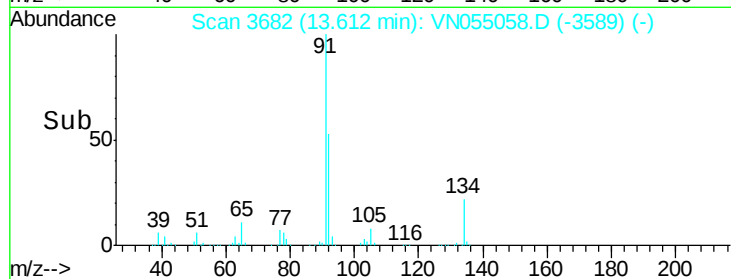
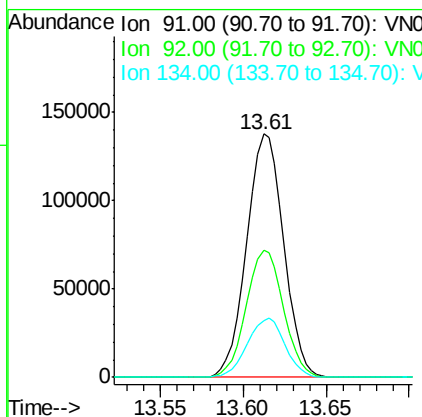
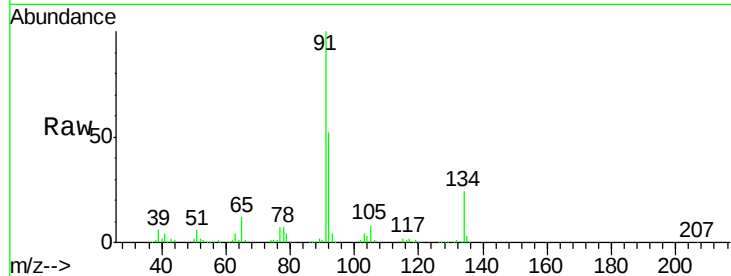
#89
n-Butylbenzene
Concen: 19.231 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN055058.D
Acq: 15 Apr 2019 22:12

Instrument :
MSVOA_N
ClientSampleId :
VN0415WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.6	25.9	77.7
134	24.7	12.8	38.3

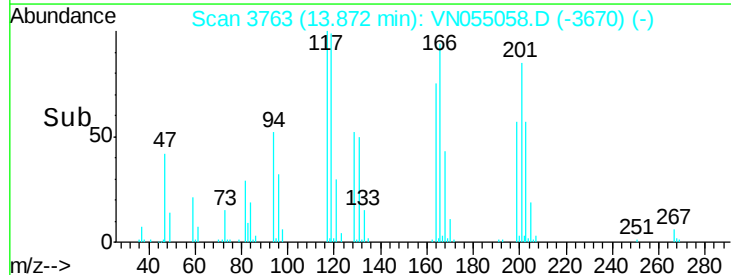
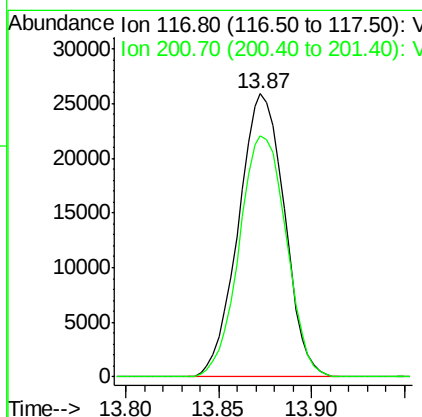
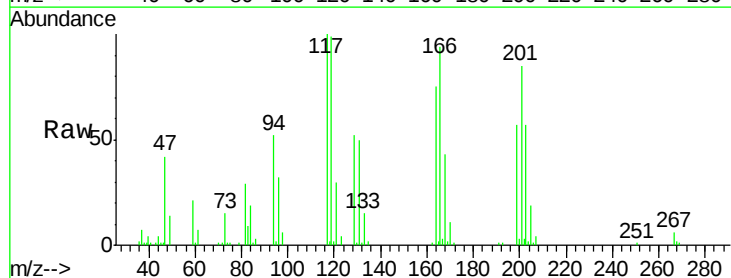
Manual Integrations
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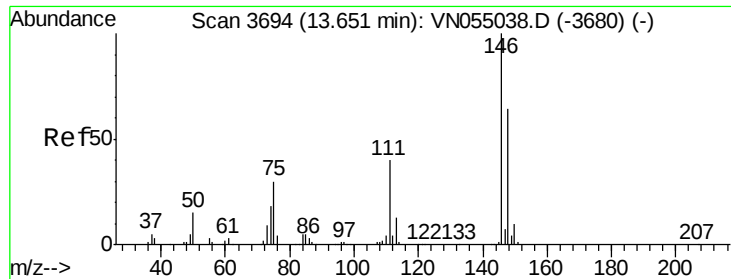
MMDadoda
4/17/2019 10:06:14 AM



#90
Hexachloroethane
Concen: 18.298 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN055058.D
Acq: 15 Apr 2019 22:12

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.8	43.4	130.2





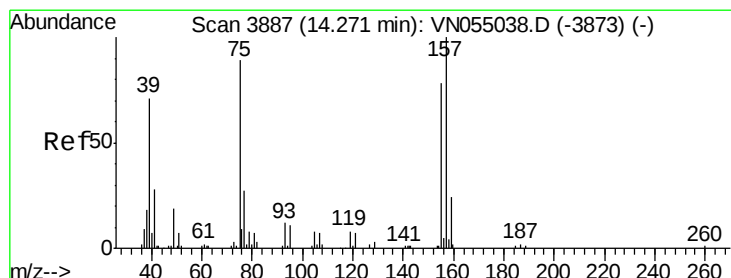
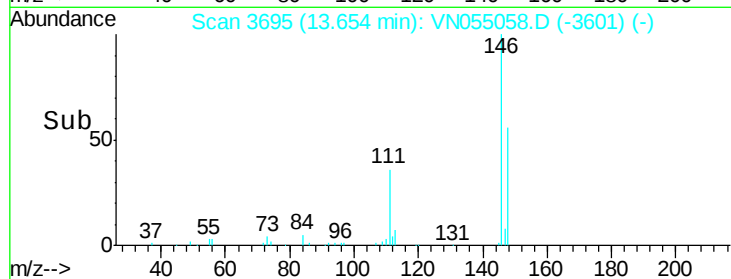
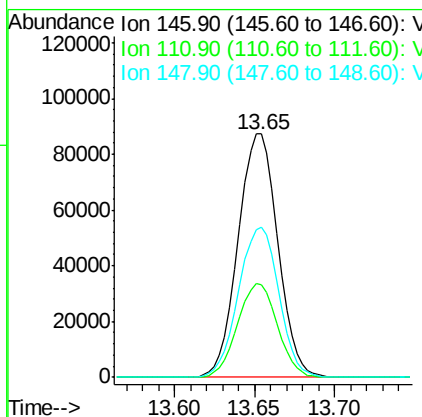
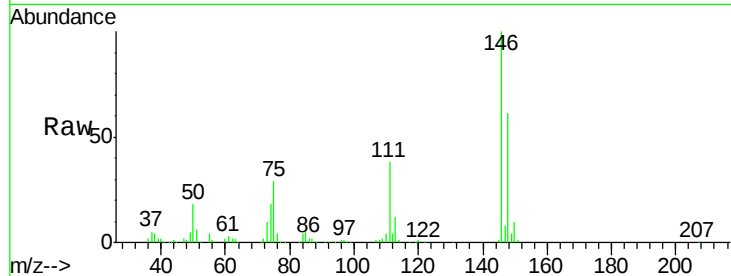
#91
 1,2-Dichlorobenzene
 Concen: 19.293 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN055058.D
 Acq: 15 Apr 2019 22:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0415WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	20.3	60.9
148	62.8	32.2	96.6

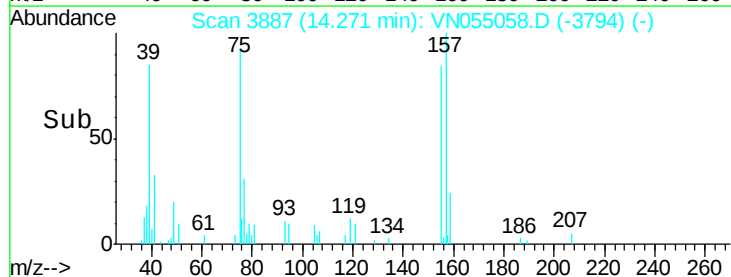
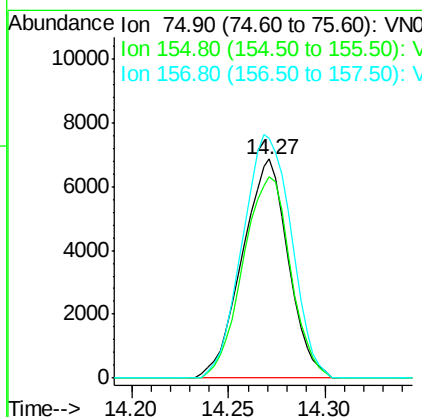
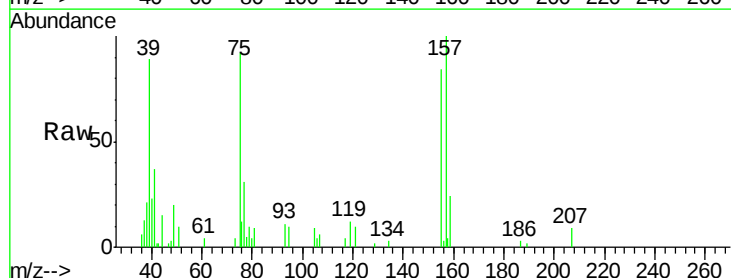
Manual Integrations
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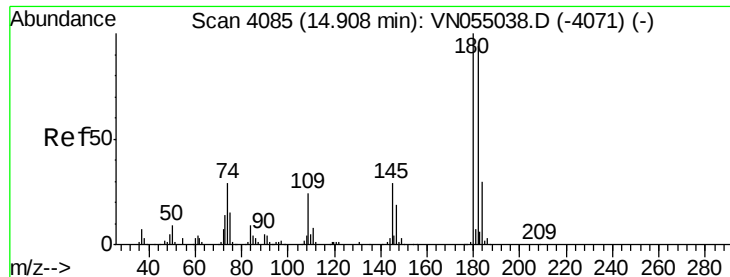
MMDadoda
 4/17/2019 10:06:14 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.168 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. -0.00 min
 Lab File: VN055058.D
 Acq: 15 Apr 2019 22:12

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.6	42.0	126.0
157	117.7	52.1	156.4





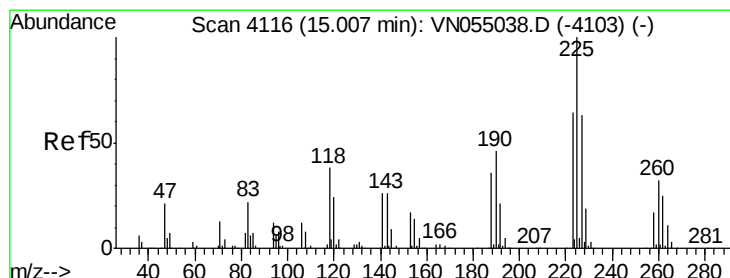
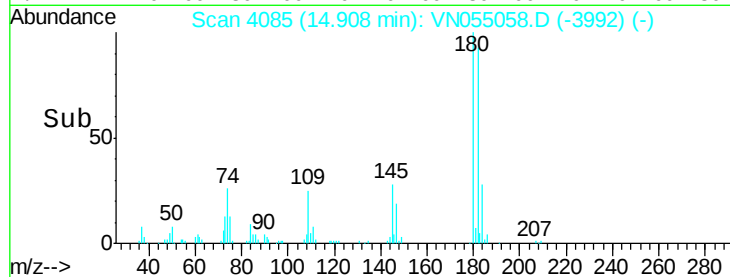
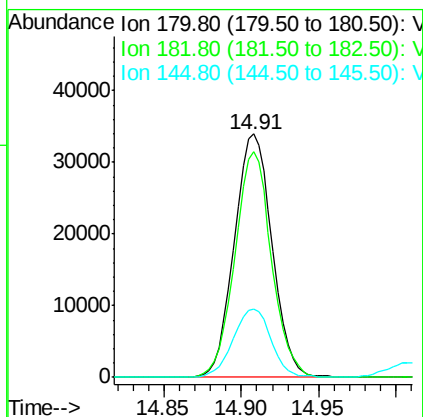
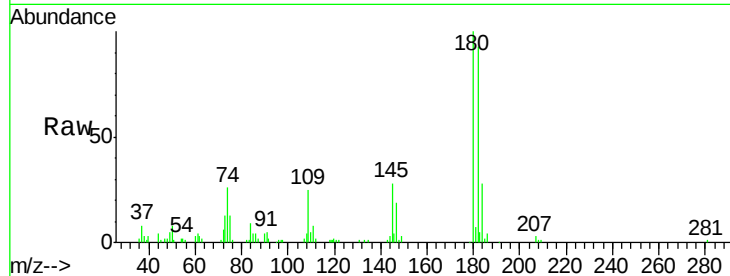
#93
 1,2,4-Trichlorobenzene
 Concen: 18.313 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN055058.D
 Acq: 15 Apr 2019 22:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0415WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	89.9	47.5	142.6
145	28.3	14.2	42.8

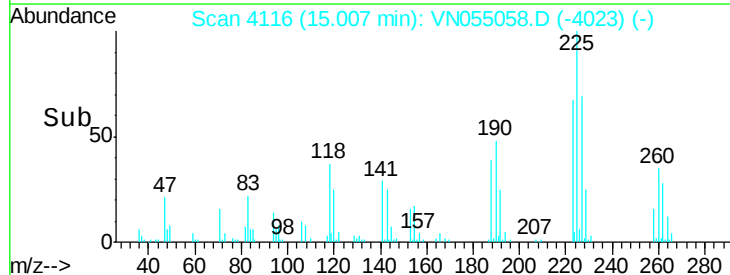
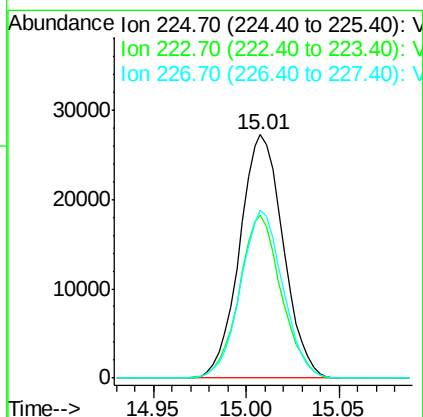
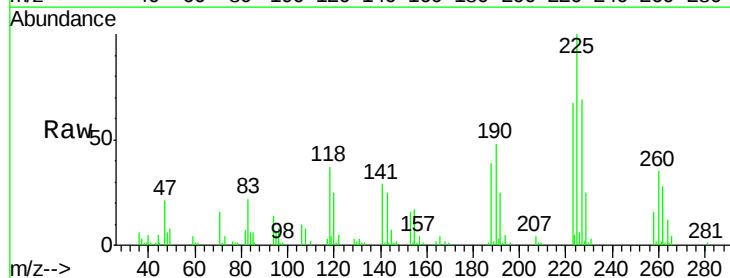
Manual Integrations
 APPROVED

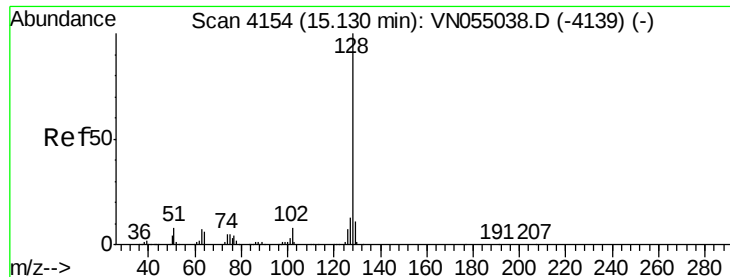
MMDadoda
 4/17/2019 10:06:14 AM



#94
 Hexachlorobutadiene
 Concen: 18.751 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN055058.D
 Acq: 15 Apr 2019 22:12

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.5	31.4	94.0
227	67.0	32.6	97.7





#95

Naphthalene

Concen: 17.817 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055058.D

Acq: 15 Apr 2019 22:12

Instrument :

MSVOA_N

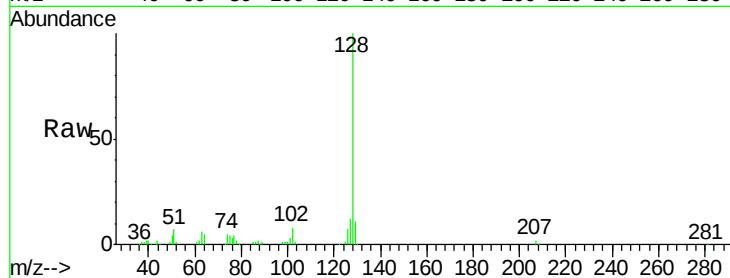
ClientSampleId :

VN0415WBSD01

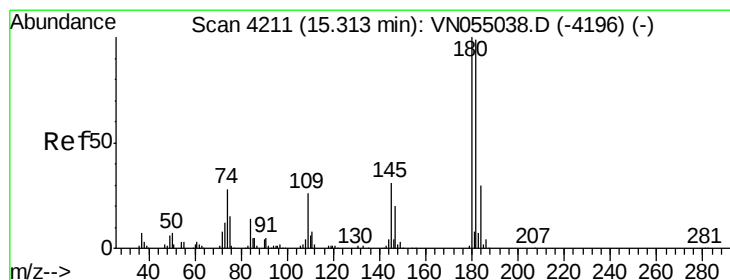
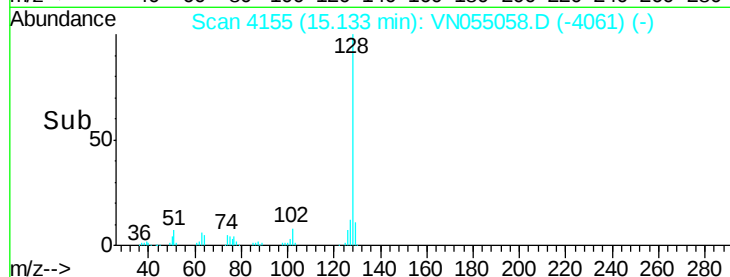
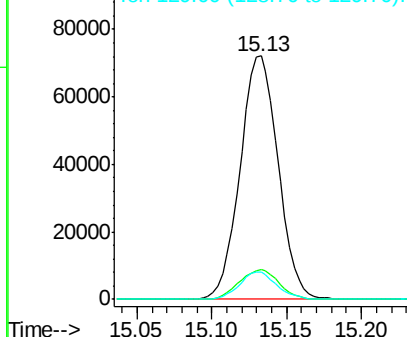
Tot Ion:	128	Resp:	127768
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.1	15.1
129	11.0	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
4/17/2019 10:06:14 AM



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: 19.958 ug/l

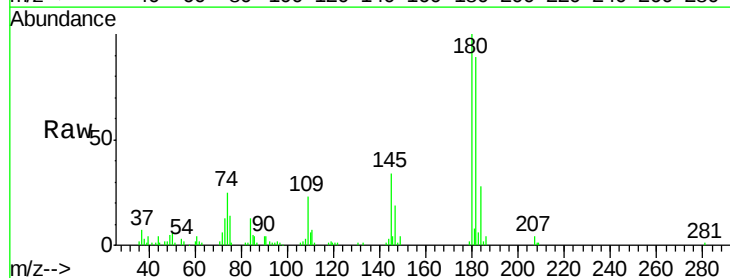
RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN055058.D

Acq: 15 Apr 2019 22:12

Tgt Ion:	180	Resp:	59070
Ion Ratio	Lower	Upper	
180	100		
182	92.6	48.0	144.0
145	31.7	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

