

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092419\
 Data File : VN058338.D
 Acq On : 24 Sep 2019 10:52
 Operator : JC/SP
 Sample : VSTDIC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Manual Integrations
 APPROVED

MMDadoda
 9/25/2019 8:23:44 AM

Quant Time: Sep 25 01:28:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N092419W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Sep 25 01:14:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.18	128	87308	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.57	114	509922	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	466905	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.01	65	230372	30.04	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.13%
60) 4-Bromofluorobenzene	12.41	95	240181	29.92	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.73%
63) Toluene-d8	10.08	98	656673	29.44	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.13%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	263462	49.525 ug/l	98
3) Chloromethane	2.04	50	295850	45.716 ug/l	99
4) Vinyl Chloride	2.17	62	299656	45.456 ug/l	97
5) Bromomethane	2.54	94	153588	38.967 ug/l	99
6) Chloroethane	2.68	64	182562	44.957 ug/l	97
7) Trichlorofluoromethane	3.00	101	352046	46.986 ug/l	97
8) Diethyl Ether	3.39	74	158063	50.342 ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.74	101	241660	49.679 ug/l	100
10) 1,1-Dichloroethene	3.72	96	234616	50.206 ug/l	98
11) Methyl Iodide	3.93	142	249928	42.718 ug/l	99
12) Methyl Acetate	4.30	43	308005	49.017 ug/l	99
13) Acrolein	3.59	56	36758	115.137 ug/l	92
14) Acrylonitrile	4.96	53	655940	253.447 ug/l	99
15) Acetone	3.80	58	183748	251.524 ug/l	99
16) Carbon Disulfide	4.03	76	645592	57.578 ug/l	99
17) Allyl chloride	4.30	41	445732	51.806 ug/l	94
18) Methylene Chloride	4.53	84	279294	48.022 ug/l	95
19) trans-1,2-Dichloroethene	5.02	96	263847	50.672 ug/l	97
20) Diisopropyl ether	5.93	45	943297	47.979 ug/l	98
21) 1,1-Dichloroethane	5.83	63	532807	49.156 ug/l	99
22) cis-1,2-Dichloroethene	6.81	96	308545	48.933 ug/l	99
23) tert-Butyl Alcohol	4.76	59	234654	273.079 ug/l	100
24) Methyl tert-Butyl Ether	5.02	73	851550	48.358 ug/l	99
25) Chloroform	7.36	83	529991	47.980 ug/l	99
26) Cyclohexane	7.64	56	502326	53.731 ug/l #	99
29) 1,1-Dichloropropene	7.78	75	418751	51.469 ug/l	98
30) 2-Butanone	6.81	43	943771	258.215 ug/l	100
31) 2,2-Dichloropropane	6.81	77	431461	50.278 ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	453115	49.981 ug/l	99
33) Carbon Tetrachloride	7.76	117	385591	51.415 ug/l	98
34) Benzene	8.03	78	1197828	50.084 ug/l #	93
35) Methacrylonitrile	7.16	41	176157m	51.043 ug/l	
36) 1,2-Dichloroethane	8.11	62	454462	49.008 ug/l	99
37) Trichloroethene	8.82	130	293020	50.147 ug/l	99
38) Methylcyclohexane	9.07	83	506072	54.113 ug/l	98
39) 1,2-Dichloropropane	9.11	63	321662	48.237 ug/l	98
40) Dibromomethane	9.20	93	204036	50.013 ug/l	97

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	404843	49.195	ug/l	100
42) Vinyl Acetate	5.87	43	3959868	270.227	ug/l	100
43) Ethyl Acetate	6.91	43	387584	52.417	ug/l	99
44) Isopropyl Acetate	8.15	43	671269	51.165	ug/l	99
45) 1,4-Dioxane	9.19	88	111151	1059.463	ug/l	98
46) Methyl methacrylate	9.19	41	316445	49.888	ug/l	98
47) n-amyl Acetate	12.08	43	602128	50.654	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	451442	51.242	ug/l	98
49) cis-1,3-Dichloropropene	9.83	75	494109	49.897	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	281621	47.870	ug/l	97
51) Ethyl methacrylate	10.43	69	456089	49.722	ug/l	98
52) 1,3-Dichloropropane	10.71	76	508900	49.211	ug/l	100
53) Dibromochloromethane	10.90	129	293282	49.922	ug/l	99
54) 1,2-Dibromoethane	11.00	107	295381	50.127	ug/l	100
55) 2-Chloroethyl vinyl ether	9.69	63	989936	234.860	ug/l	99
56) Bromoform	12.13	173	186321	51.222	ug/l	99
58) 4-Methyl-2-Pentanone	9.98	43	1942101	265.975	ug/l	99
59) 2-Hexanone	10.75	43	1448695	264.152	ug/l	99
61) Tetrachloroethene	10.63	164	242391	50.527	ug/l	99
62) Toluene	10.15	91	1300538	50.128	ug/l	100
64) Chlorobenzene	11.43	112	773056	48.064	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	274289	48.976	ug/l	99
66) Ethyl Benzene	11.51	91	1455482	51.257	ug/l	100
67) m/p-Xylenes	11.62	106	1082456	99.793	ug/l	98
68) o-Xylene	11.95	106	515624	48.441	ug/l	97
69) Styrene	11.97	104	886757	49.156	ug/l	99
70) Isopropylbenzene	12.25	105	1419403	50.791	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.51	83	426866	48.886	ug/l	99
72) 1,2,3-Trichloropropane	12.56	75	377157m	48.669	ug/l	
73) Bromobenzene	12.53	156	322578	47.841	ug/l	98
74) n-propylbenzene	12.60	91	1690653	52.831	ug/l	100
75) 2-Chlorotoluene	12.68	91	979971	49.064	ug/l	99
76) 1,3,5-Trimethylbenzene	12.74	105	1221383	51.136	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	122149	51.997	ug/l	95
78) 4-Chlorotoluene	12.78	91	1018896	49.788	ug/l	99
79) tert-butylbenzene	13.00	119	1043964	50.440	ug/l	97
80) 1,2,4-Trimethylbenzene	13.05	105	1223105	51.281	ug/l	99
81) sec-Butylbenzene	13.18	105	1406060	50.815	ug/l	100
82) p-Isopropyltoluene	13.30	119	1266786	51.337	ug/l	100
83) 1,3-Dichlorobenzene	13.29	146	596534	47.856	ug/l	99
84) 1,4-Dichlorobenzene	13.37	146	595662	48.403	ug/l	99
85) n-Butylbenzene	13.62	91	1181721	51.523	ug/l	99
86) Hexachloroethane	13.88	117	193879	48.830	ug/l	98
87) 1,2-Dichlorobenzene	13.66	146	587785	48.387	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.28	75	85340	54.420	ug/l	98
89) 1,2,4-Trichlorobenzene	14.92	180	378948	50.886	ug/l	98
90) Hexachlorobutadiene	15.02	225	181427	52.710	ug/l	97
91) Naphthalene	15.14	128	1082802	53.158	ug/l	100
92) 1,2,3-Trichlorobenzene	15.30	180	366533	51.773	ug/l	100

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ClientSampleId :
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QLast Update : Wed Sep 25 01:14:34 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

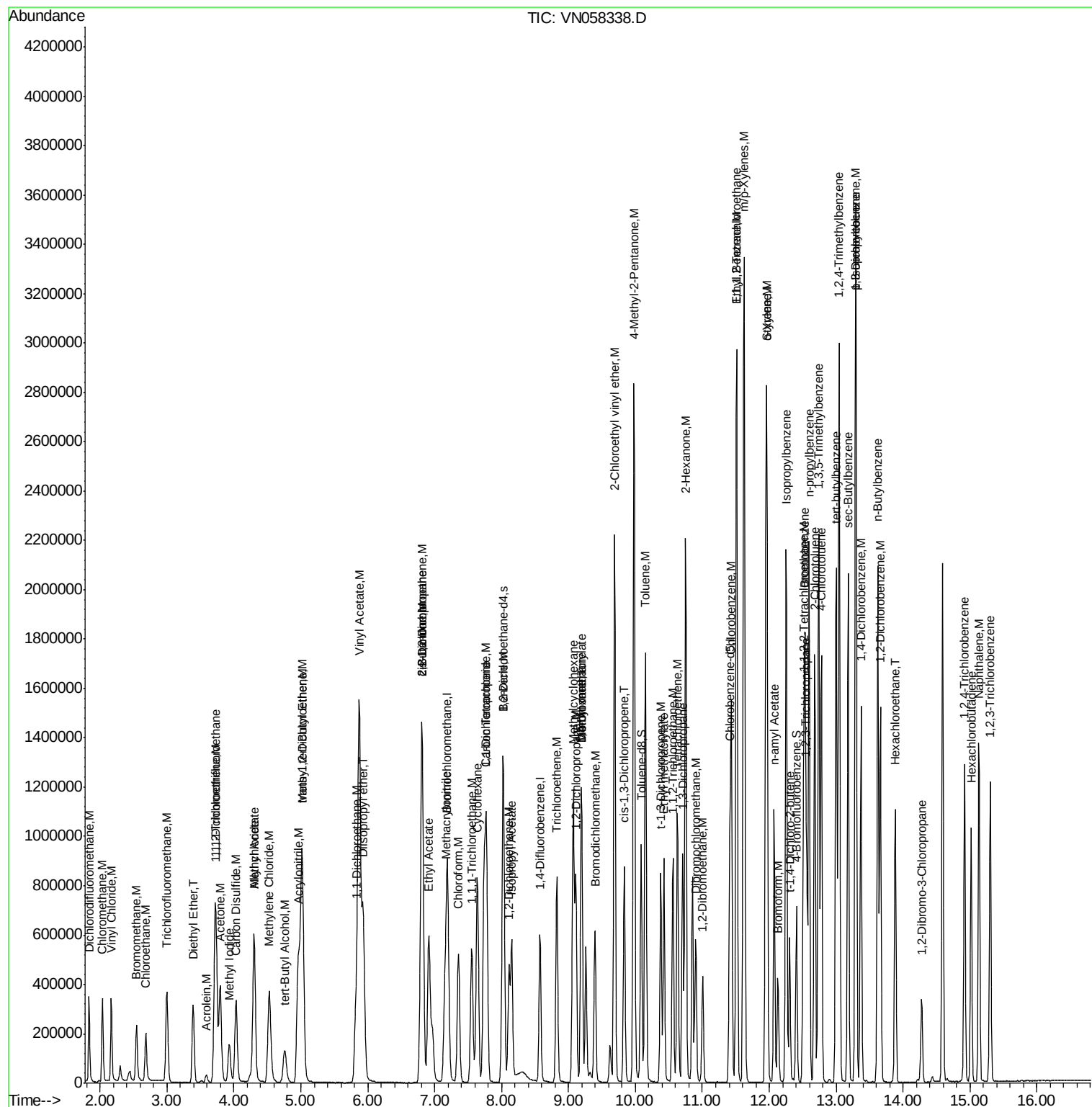
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092419\
 Data File : VN058338.D
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 Misc : 5.00mL/MSVOA N/WATER
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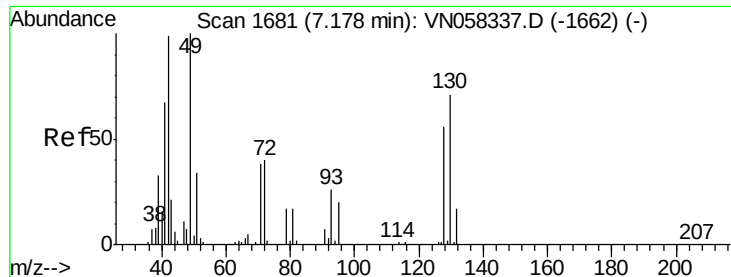
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Manual Integrations
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VN058338.D

Acq: 24 Sep 2019 10:52

Instrument :

MSVOA_N

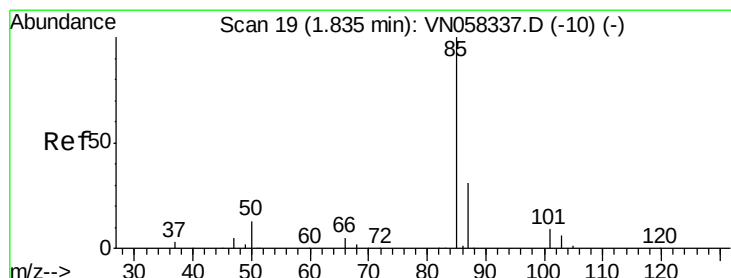
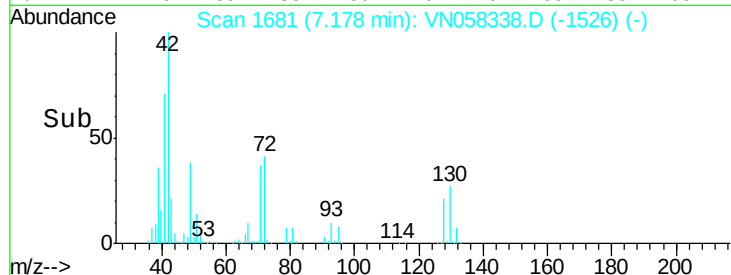
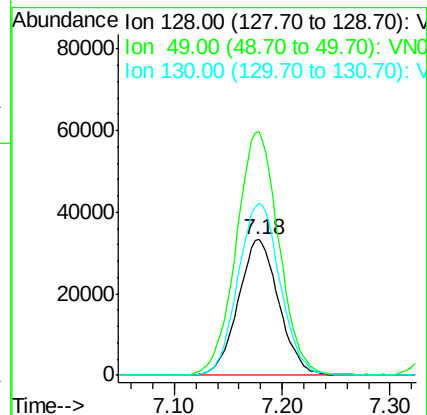
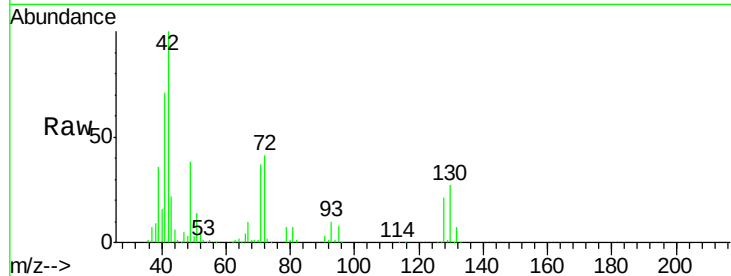
ClientSampleId :

VSTDIC050

Tot Ion:	128	Resp:	87308
Ion	Ratio	Lower	Upper
128	100		
49	187.8	0.0	458.5
130	131.0	0.0	320.7

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 49.525 ug/l

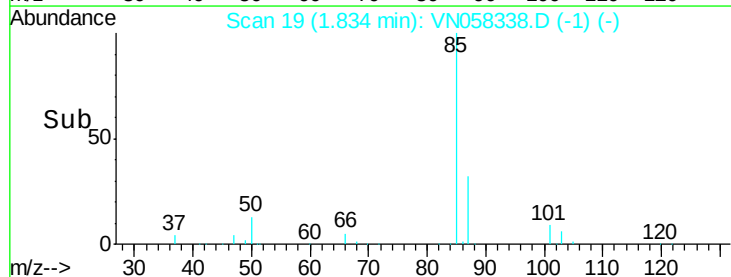
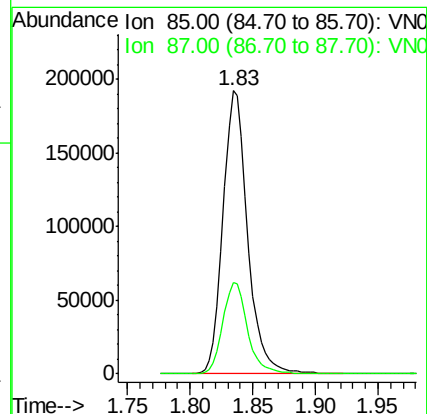
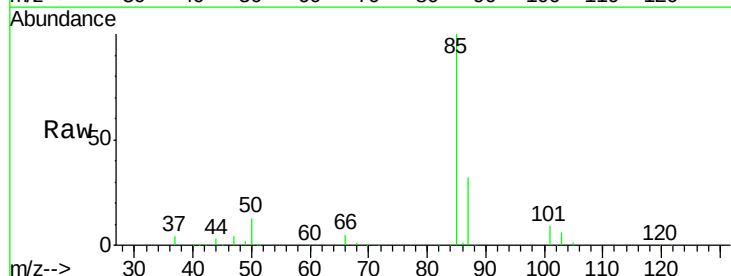
RT: 1.83 min Scan# 19

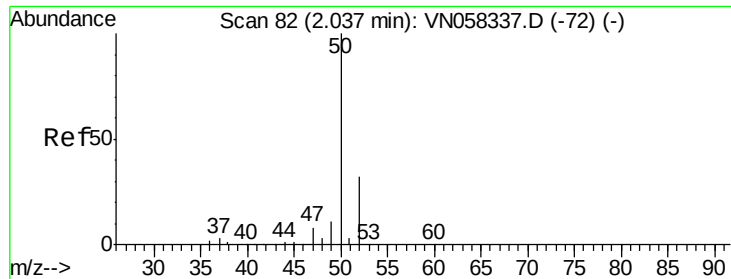
Delta R.T. -0.00 min

Lab File: VN058338.D

Acq: 24 Sep 2019 10:52

Tgt Ion:	85	Resp:	263462
Ion	Ratio	Lower	Upper
85	100		
87	32.2	15.5	46.5





#3

Chloromethane

Concen: 45.716 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN058338.D

Acq: 24 Sep 2019 10:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion: 50 Resp: 295850

Ion Ratio Lower Upper

50 100

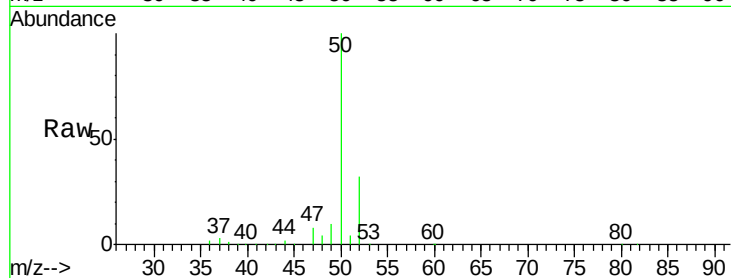
52 31.8 25.9 38.9

Manual Integrations

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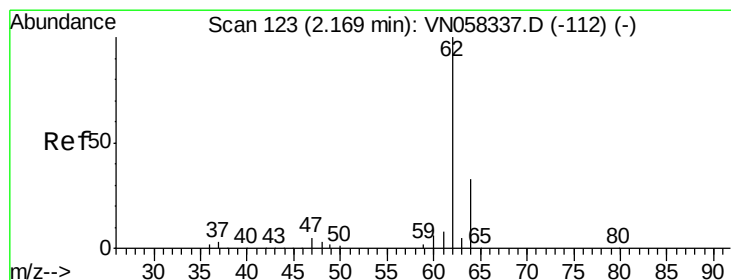
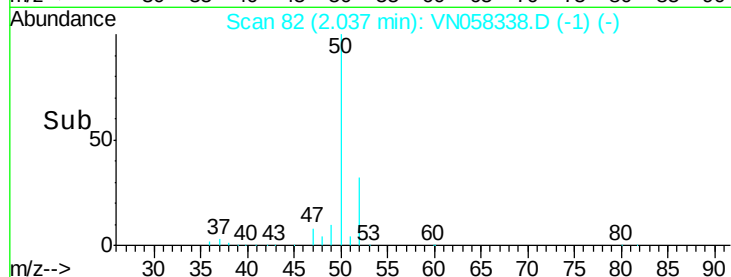
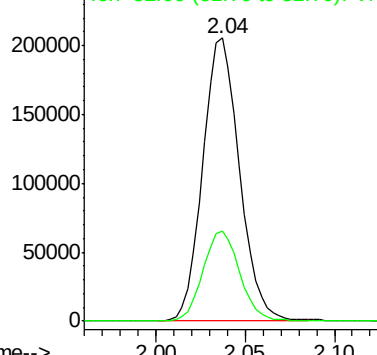
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Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#4

Vinyl Chloride

Concen: 45.456 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN058338.D

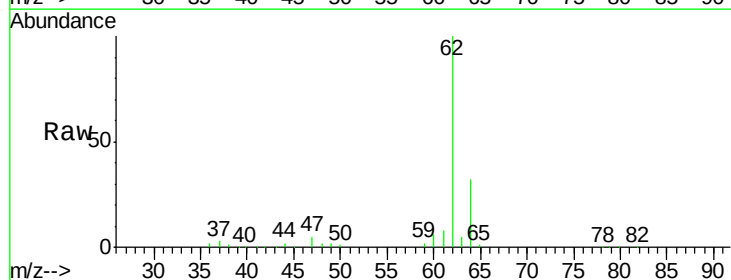
Acq: 24 Sep 2019 10:52

Tgt Ion: 62 Resp: 299656

Ion Ratio Lower Upper

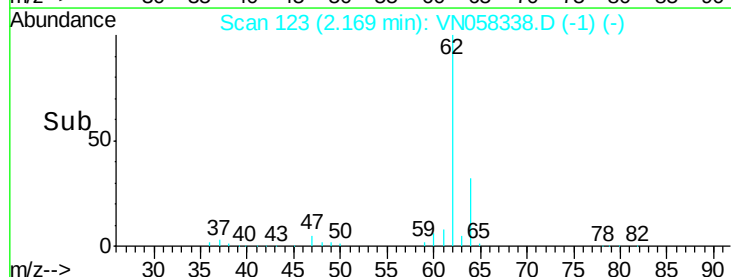
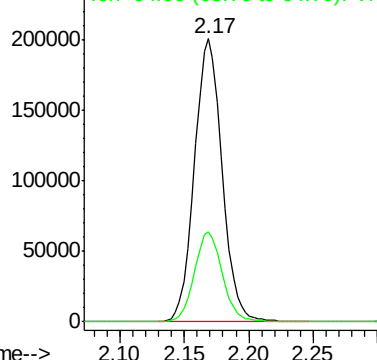
62 100

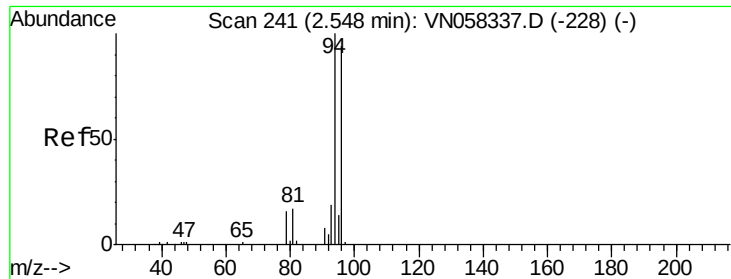
64 31.9 26.6 40.0



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0





#5

Bromomethane

Concen: 38.967 ug/l

RT: 2.54 min Scan# 240

Delta R.T. -0.00 min

Lab File: VN058338.D

Acq: 24 Sep 2019 10:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion: 94 Resp: 153588

Ion Ratio Lower Upper

94 100

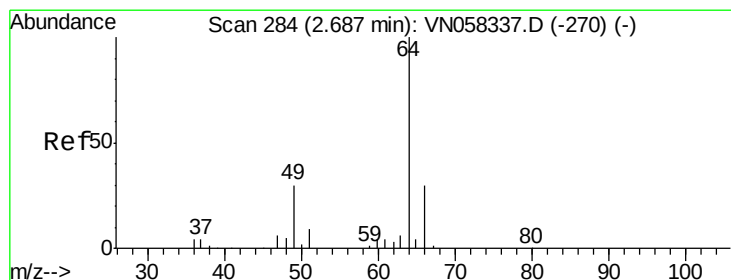
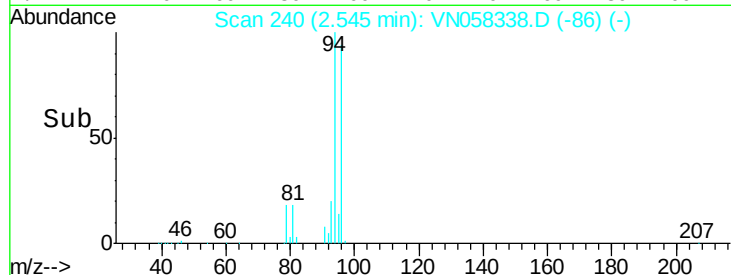
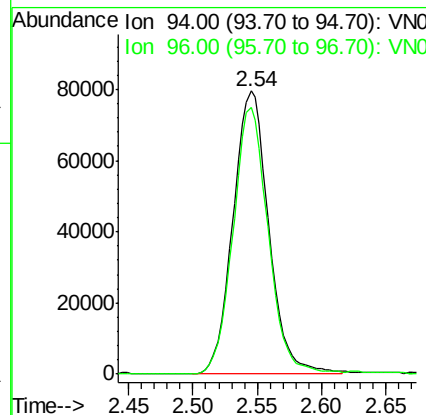
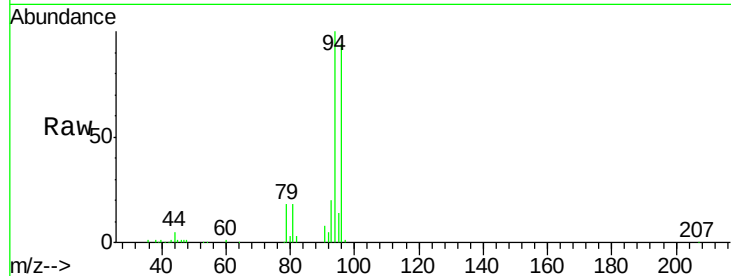
96 94.1 74.8 112.2

Manual Integrations

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#6

Chloroethane

Concen: 44.957 ug/l

RT: 2.68 min Scan# 283

Delta R.T. -0.00 min

Lab File: VN058338.D

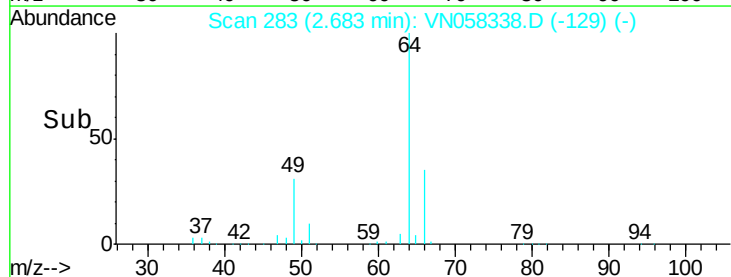
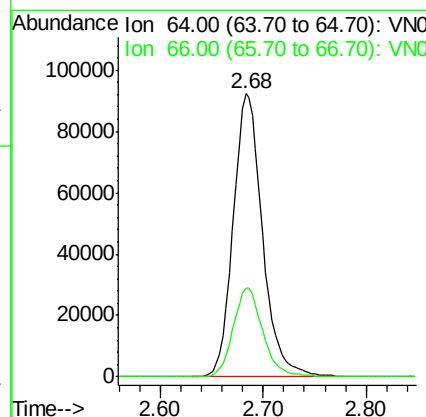
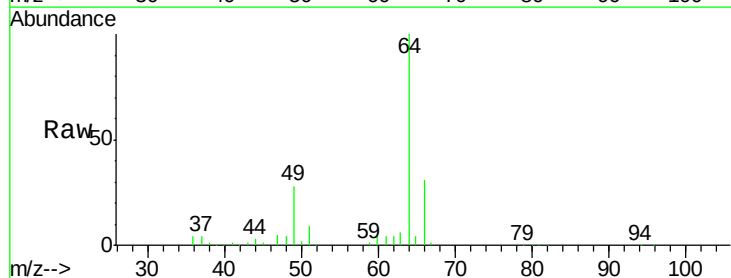
Acq: 24 Sep 2019 10:52

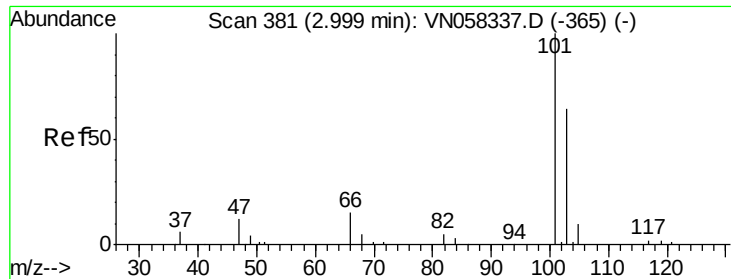
Tgt Ion: 64 Resp: 182562

Ion Ratio Lower Upper

64 100

66 31.4 23.8 35.6





#7

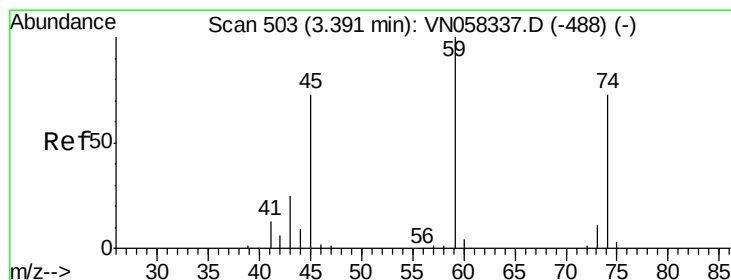
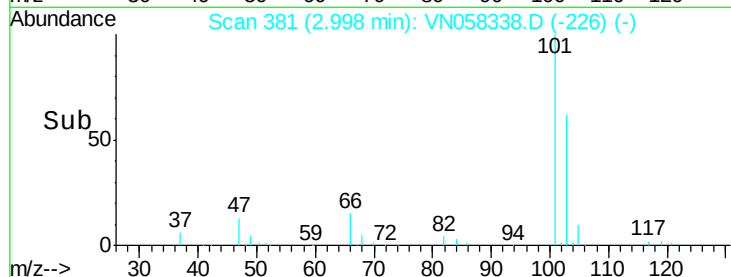
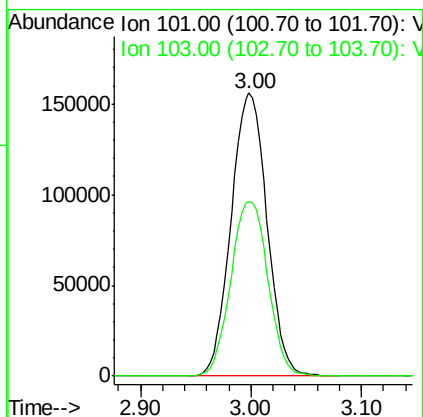
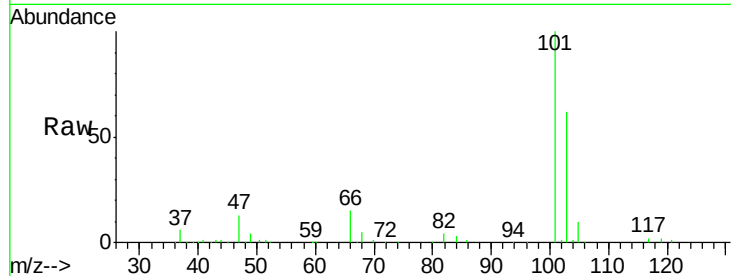
Trichlorofluoromethane
Concen: 46.986 ug/l
RT: 3.00 min Scan# 381
Delta R.T. -0.00 min
Lab File: VN058338.D
Acq: 24 Sep 2019 10:52

Instrument :
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		352046		
103	61.7	51.5	77.3		

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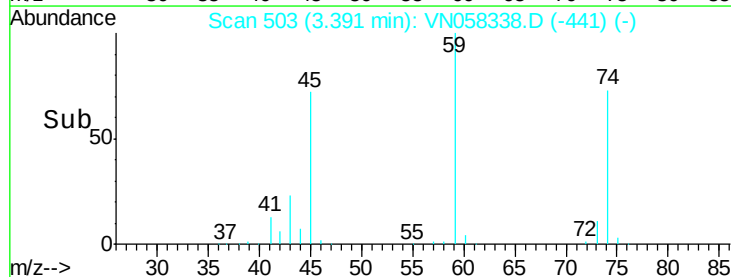
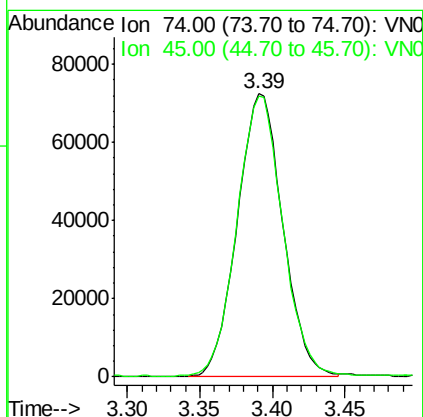
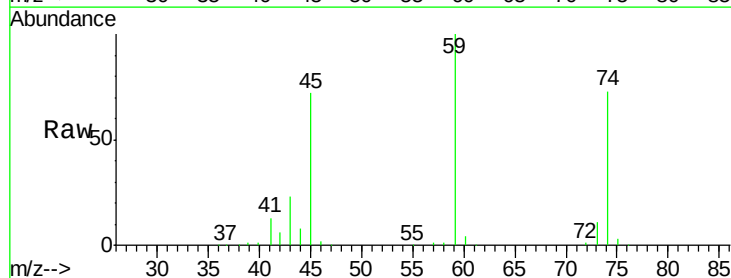
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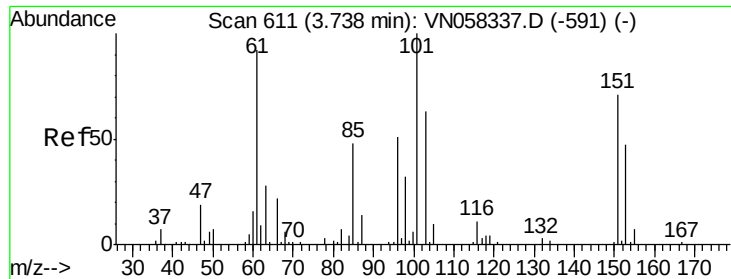


#8

Diethyl Ether
Concen: 50.342 ug/l
RT: 3.39 min Scan# 503
Delta R.T. -0.00 min
Lab File: VN058338.D
Acq: 24 Sep 2019 10:52

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		158063		
45	99.5	20.8	187.6		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.679 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.00 min

Lab File: VN058338.D

Acq: 24 Sep 2019 10:52

Instrument :

MSVOA_N

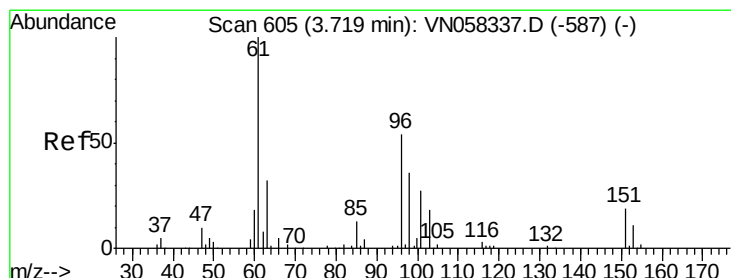
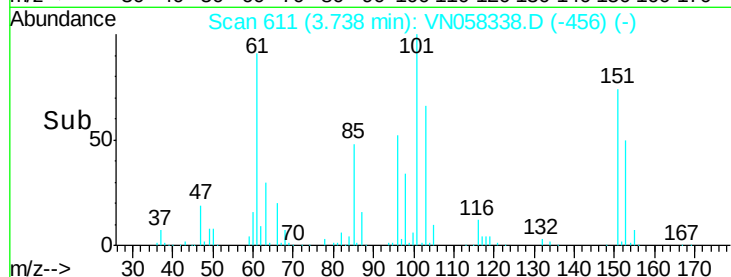
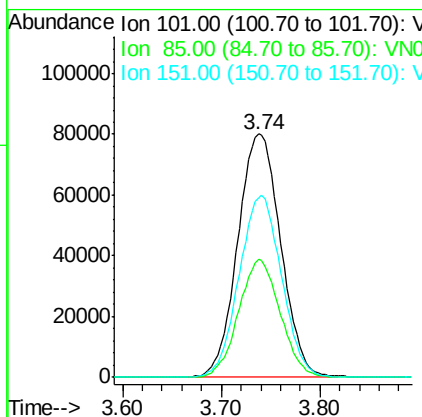
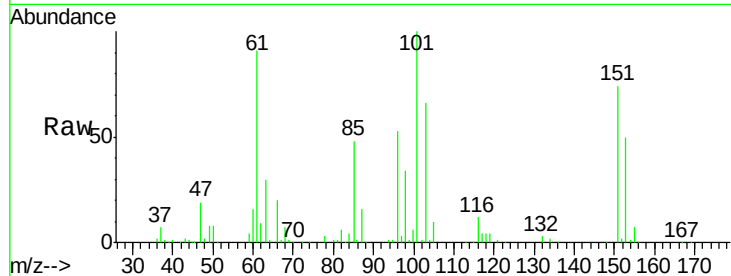
ClientSampled :

VSTDIC050

Tot Ion:	101	Resp:	241660
Ion Ratio	Lower	Upper	
101	100		
85	46.9	0.0	93.0
151	73.9	0.0	147.2

Manual Integrations
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9/25/2019 8:23:44 AM



#10

1,1-Dichloroethene

Concen: 50.206 ug/l

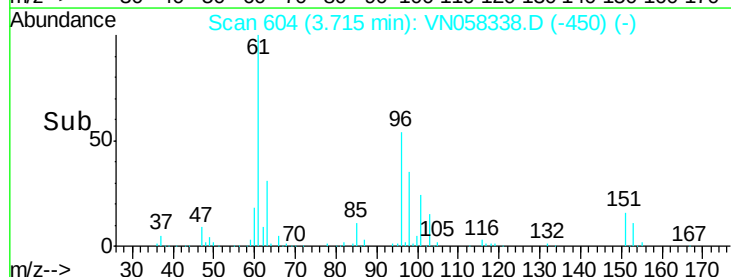
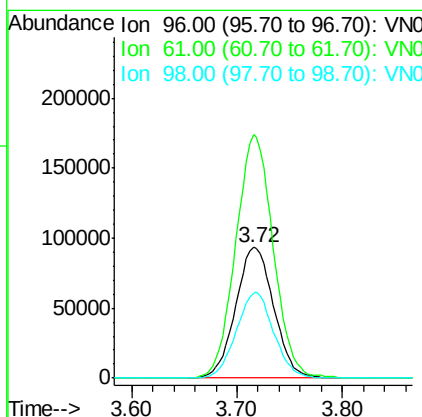
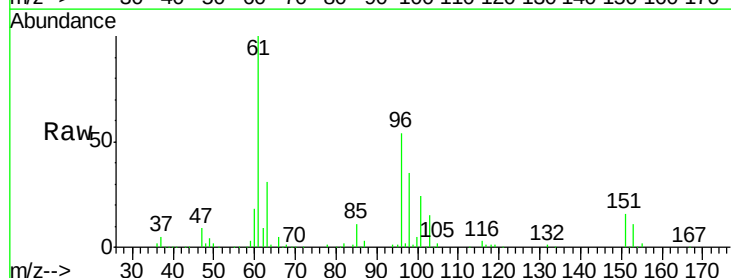
RT: 3.72 min Scan# 604

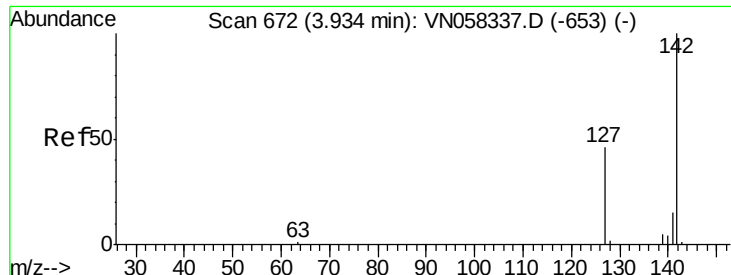
Delta R.T. -0.00 min

Lab File: VN058338.D

Acq: 24 Sep 2019 10:52

Tgt Ion:	96	Resp:	234616
Ion Ratio	Lower	Upper	
96	100		
61	186.7	146.9	220.3
98	65.3	52.3	78.5





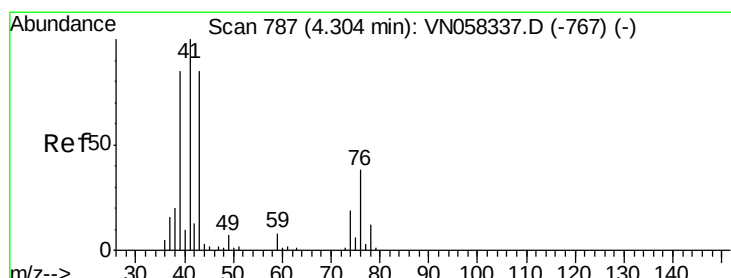
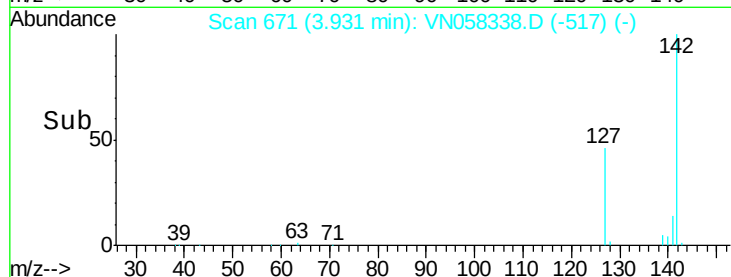
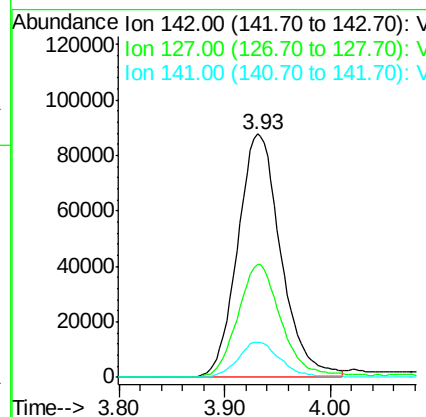
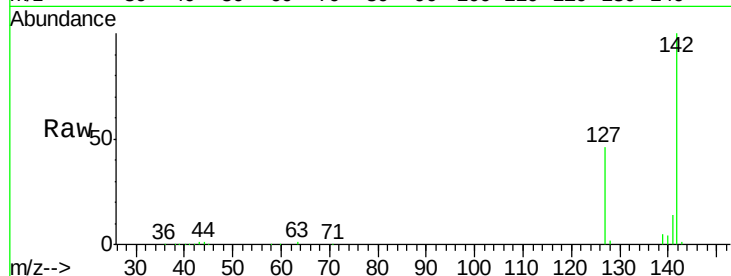
#11
Methyl Iodide
Concen: 42.718 ug/l
RT: 3.93 min Scan# 671
Delta R.T. -0.00 min
Lab File: VN058338.D
Acq: 24 Sep 2019 10:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
142	100		
127	46.3	22.9	68.7
141	14.2	7.4	22.3

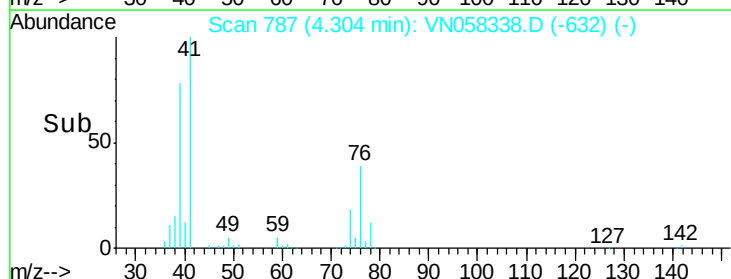
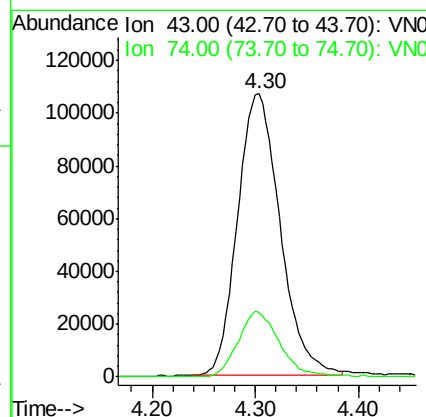
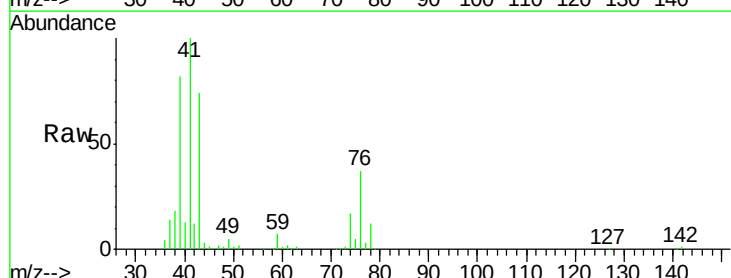
Manual Integrations
APPROVED

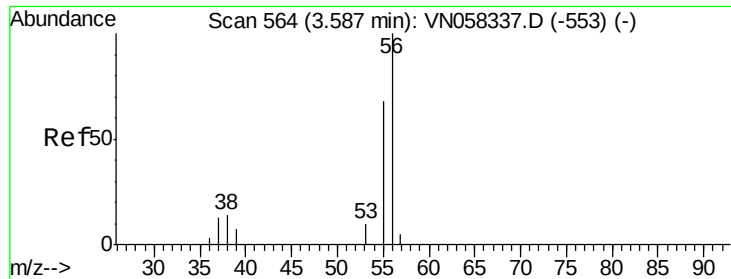
MMDadoda
9/25/2019 8:23:44 AM



#12
Methyl Acetate
Concen: 49.017 ug/l
RT: 4.30 min Scan# 787
Delta R.T. -0.00 min
Lab File: VN058338.D
Acq: 24 Sep 2019 10:52

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.7	17.8	26.6





#13

Acrolein

Concen: 115.137 ug/l

RT: 3.59 min Scan# 564

Delta R.T. -0.00 min

Lab File: VN058338.D

Acq: 24 Sep 2019 10:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion: 56 Resp: 36758

Ion Ratio Lower Upper

56 100

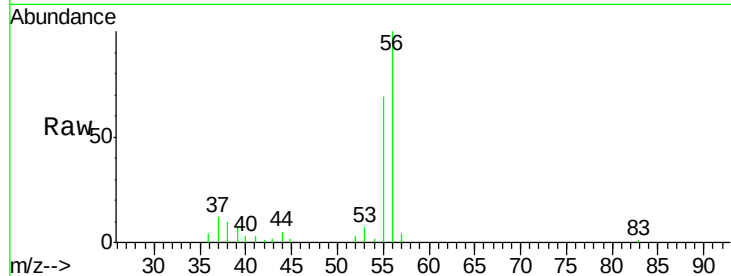
55 66.2 58.4 87.6

Manual Integrations

APPROVED

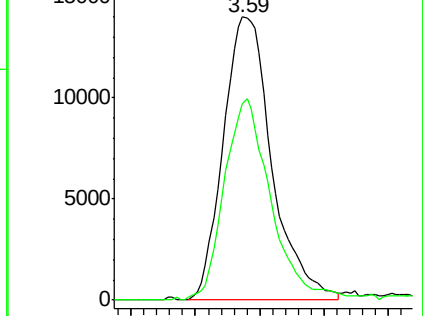
MMDadoda

9/25/2019 8:23:44 AM

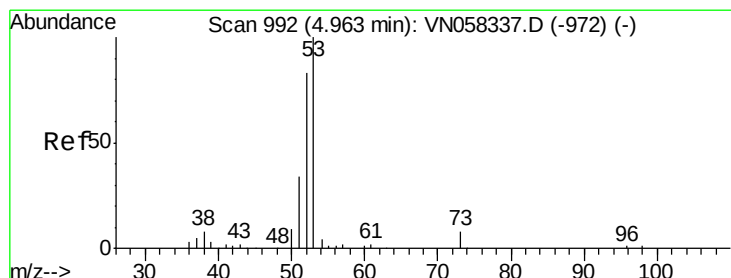
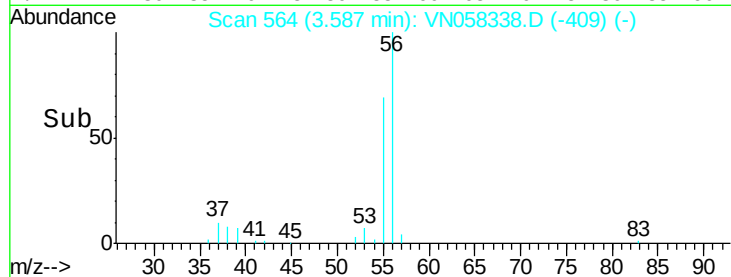


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



Time-->



#14

Acrylonitrile

Concen: 253.447 ug/l

RT: 4.96 min Scan# 992

Delta R.T. -0.00 min

Lab File: VN058338.D

Acq: 24 Sep 2019 10:52

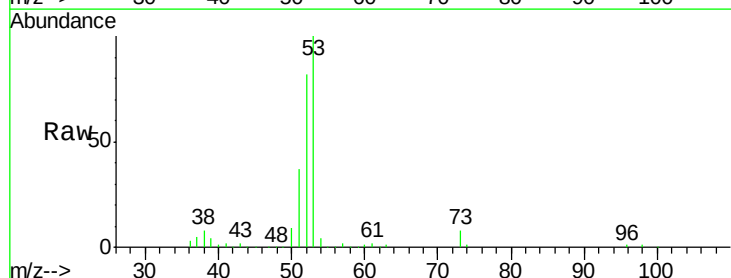
Tgt Ion: 53 Resp: 655940

Ion Ratio Lower Upper

53 100

52 82.0 41.3 123.7

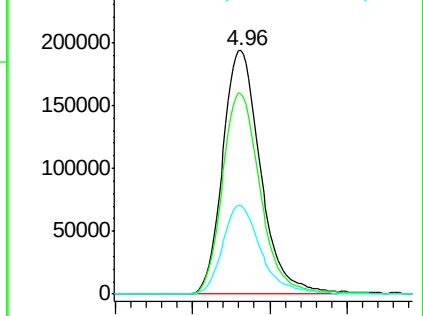
51 37.1 18.3 54.8



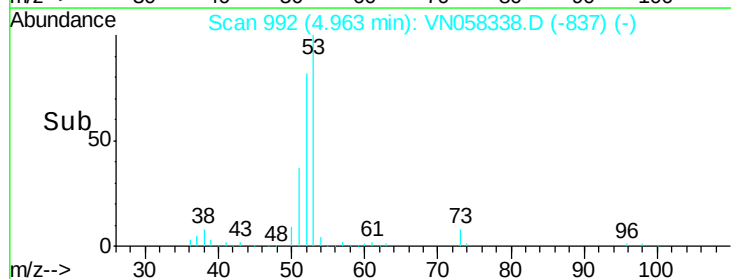
Abundance Ion 53.00 (52.70 to 53.70): VN0

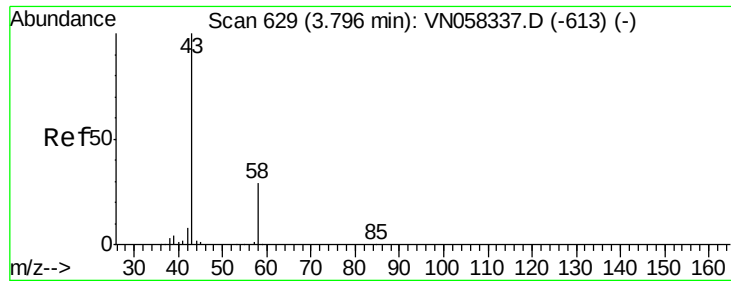
Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



Time-->





#15

Acetone

Concen: 251.524 ug/l

RT: 3.80 min Scan# 629

Delta R.T. -0.00 min

Lab File: VN058338.D

Acq: 24 Sep 2019 10:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion: 58 Resp: 183748

Ion Ratio Lower Upper

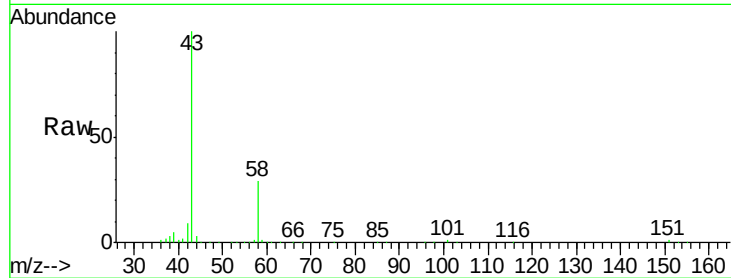
58 100

43 338.1 272.6 409.0

Manual Integrations
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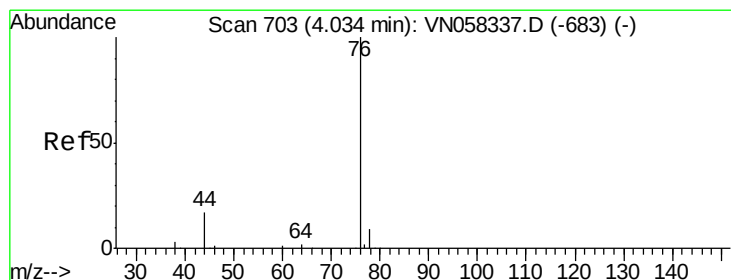
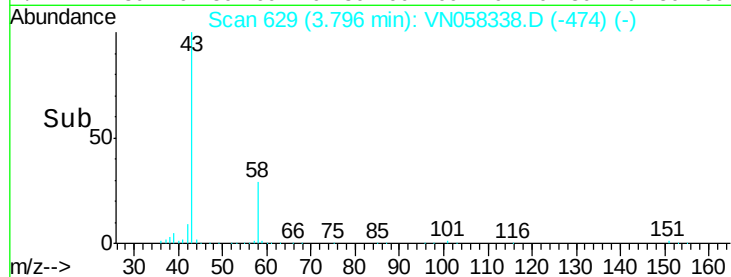
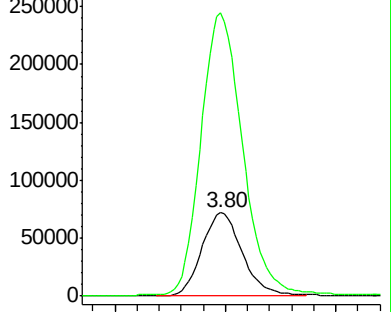
MMDadoda

9/25/2019 8:23:44 AM



Abundance Ion 58.00 (57.70 to 58.70): VN058338.D (-548) (-)

Ion 43.00 (42.70 to 43.70): VN058338.D (-474) (-)



#16

Carbon Disulfide

Concen: 57.578 ug/l

RT: 4.03 min Scan# 703

Delta R.T. -0.00 min

Lab File: VN058338.D

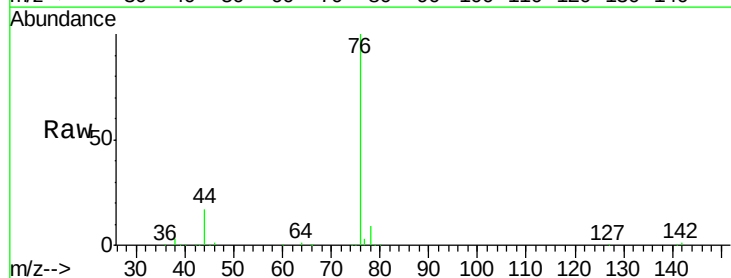
Acq: 24 Sep 2019 10:52

Tgt Ion: 76 Resp: 645592

Ion Ratio Lower Upper

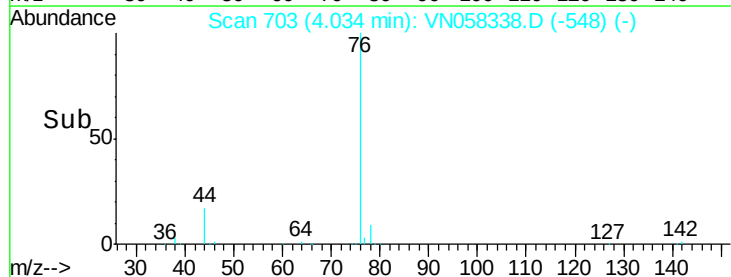
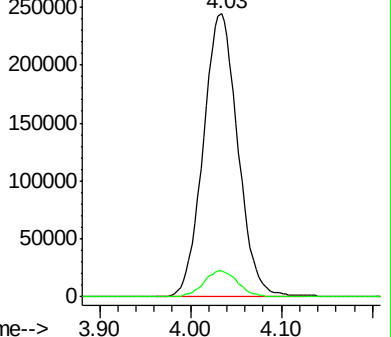
76 100

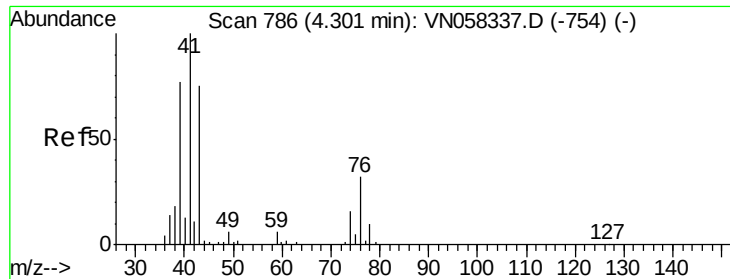
78 9.0 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VN058338.D (-548) (-)

Ion 78.00 (77.70 to 78.70): VN058338.D (-548) (-)





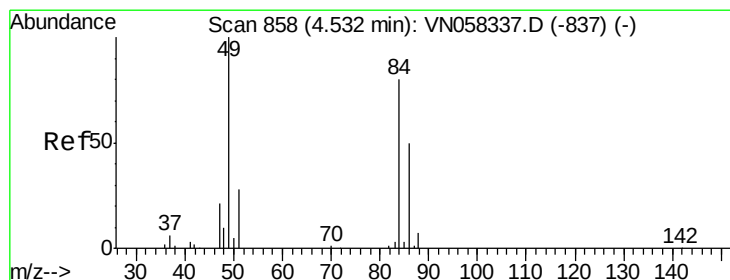
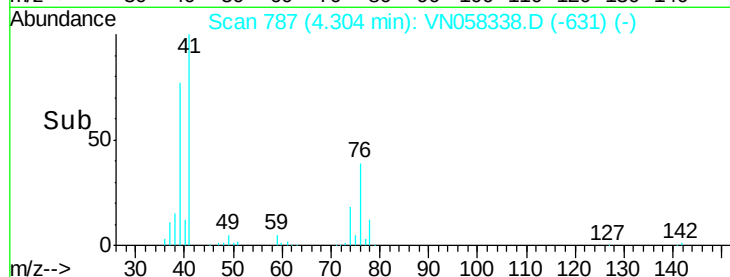
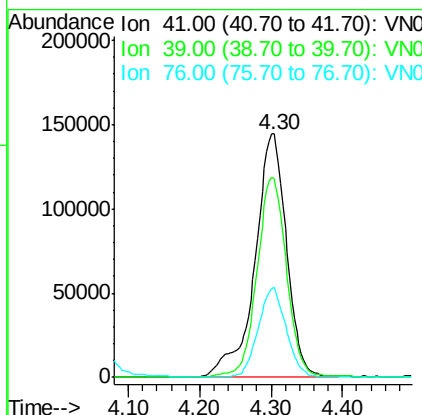
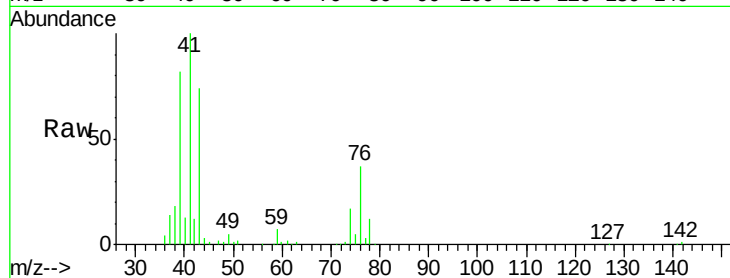
#17
Allvl chloride
Concen: 51.806 ug/l
RT: 4.30 min Scan# 787
Delta R.T. 0.00 min
Lab File: VN058338.D
Acq: 24 Sep 2019 10:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	81.5	38.7	116.1
76	36.9	16.4	49.1

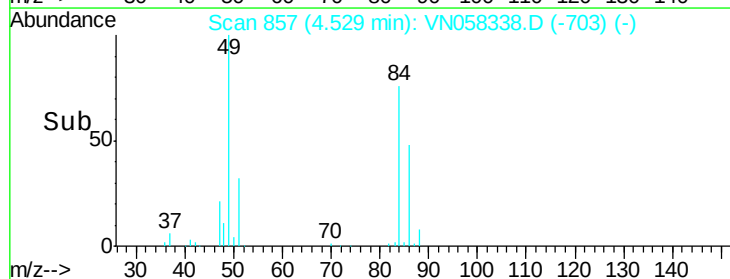
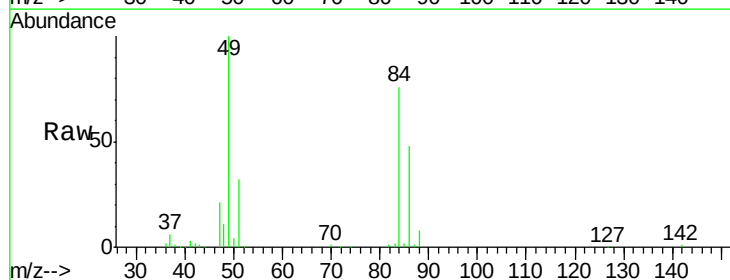
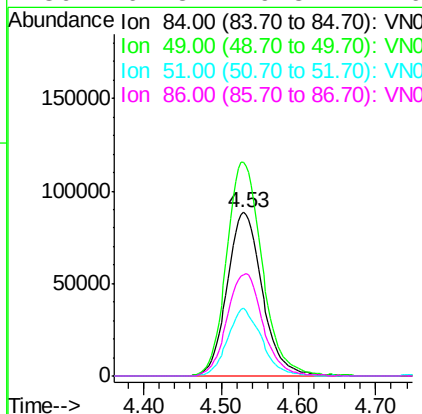
Manual Integrations
APPROVED

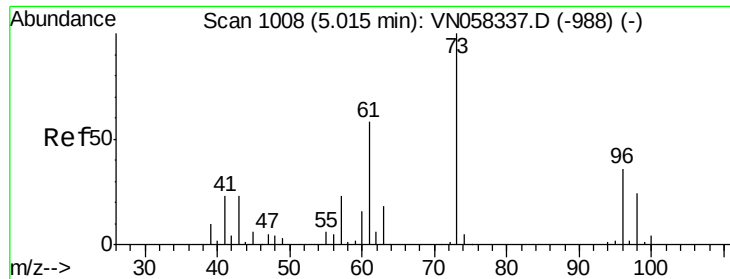
MMDadoda
9/25/2019 8:23:44 AM



#18
Methylene Chloride
Concen: 48.022 ug/l
RT: 4.53 min Scan# 857
Delta R.T. -0.00 min
Lab File: VN058338.D
Acq: 24 Sep 2019 10:52

Tgt Ion	Ratio	Lower	Upper
84	100		
49	130.6	99.8	149.6
51	41.3	28.3	42.5
86	62.3	49.8	74.6





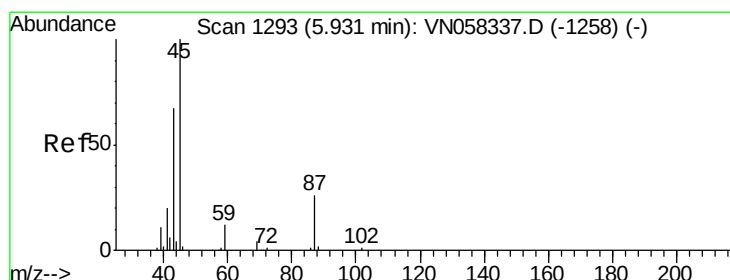
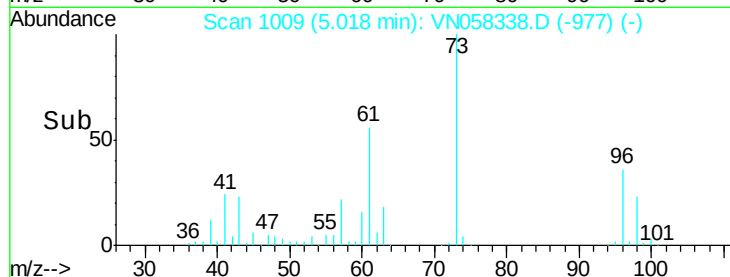
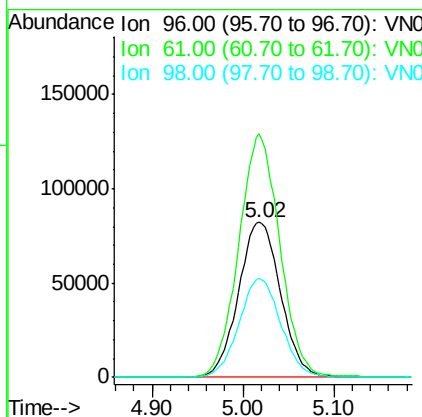
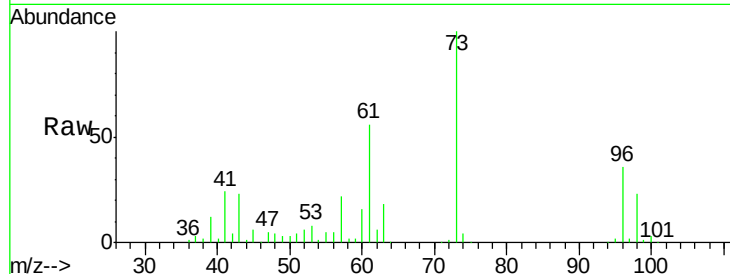
#19
trans-1,2-Dichloroethene
Concen: 50.672 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN058338.D
Acq: 24 Sep 2019 10:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	157.0	128.0	192.0
98	63.5	53.0	79.6

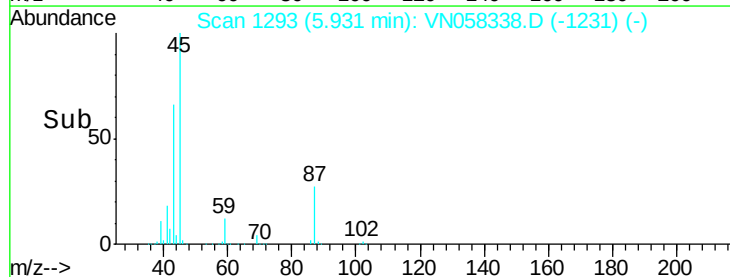
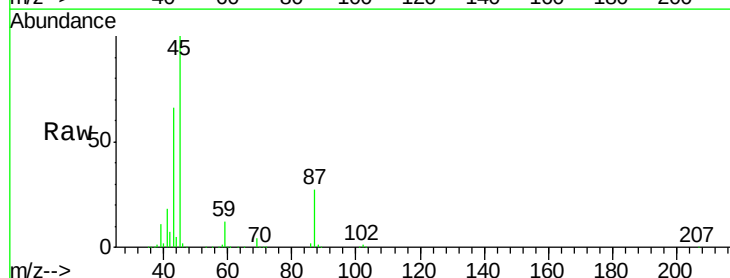
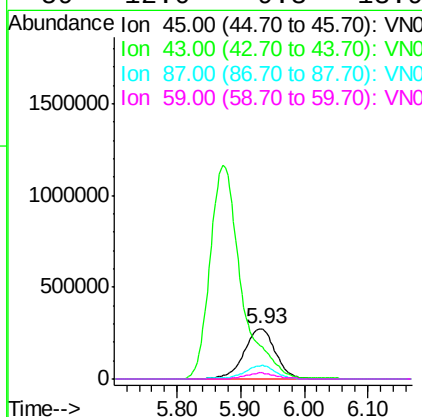
Manual Integrations
APPROVED

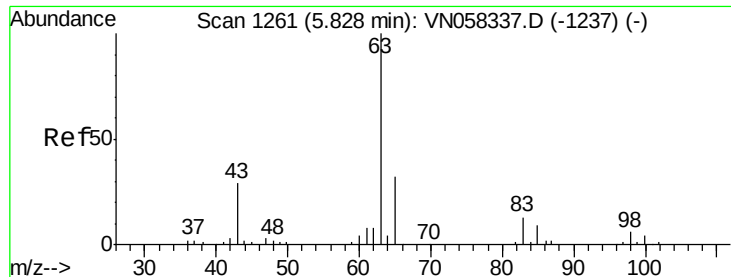
MMDadoda
9/25/2019 8:23:44 AM



#20
Diisopropyl ether
Concen: 47.979 ug/l
RT: 5.93 min Scan# 1293
Delta R.T. -0.00 min
Lab File: VN058338.D
Acq: 24 Sep 2019 10:52

Tgt Ion	Ratio	Lower	Upper
45	100		
43	64.9	54.1	81.1
87	26.5	21.4	32.2
59	12.0	9.3	13.9





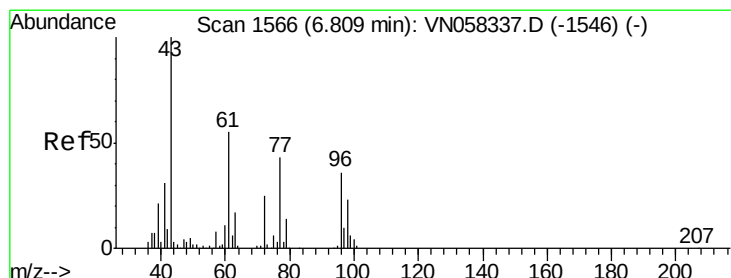
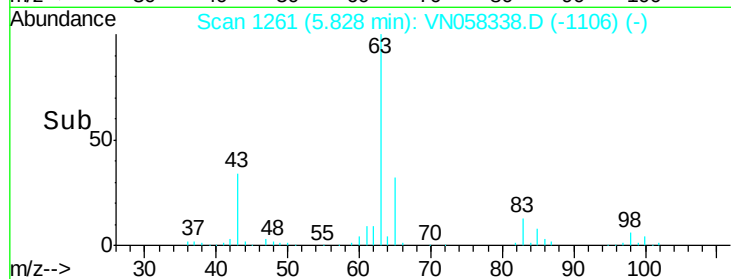
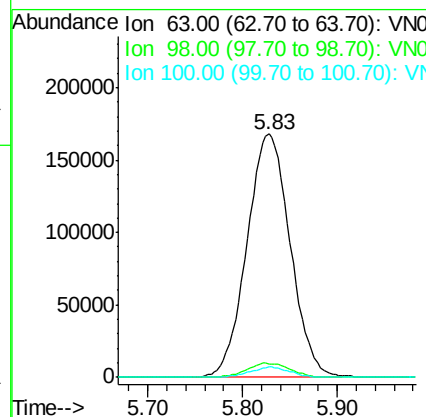
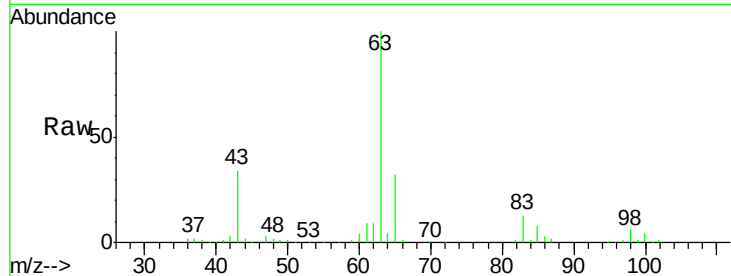
#21
 1,1-Dichloroethane
 Concen: 49.156 ug/l
 RT: 5.83 min Scan# 1261
 Delta R.T. -0.00 min
 Lab File: VN058338.D
 Acq: 24 Sep 2019 10:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion:	63	Resp:	532807
Ion Ratio	Lower	Upper	
63	100		
98	5.6	3.0	9.2
100	4.2	2.1	6.5

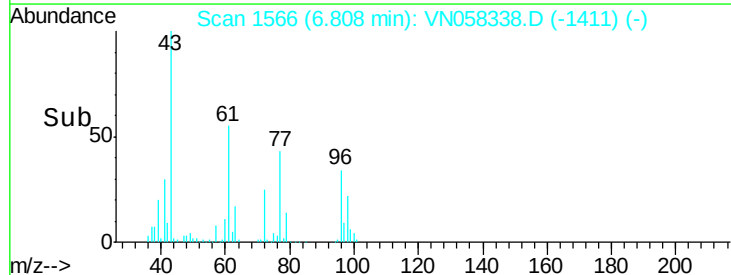
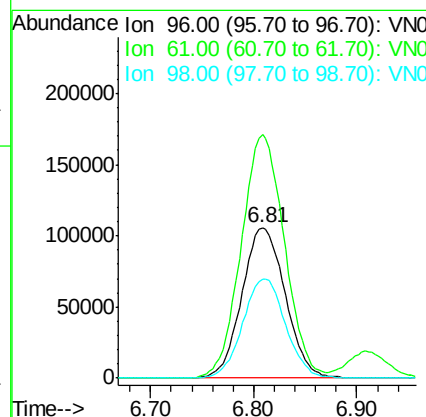
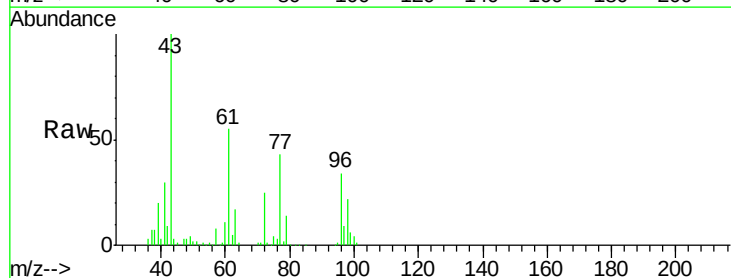
Manual Integrations
 APPROVED

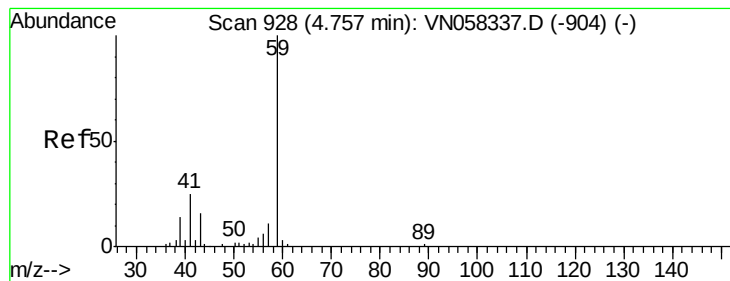
MMDadoda
 9/25/2019 8:23:44 AM



#22
 cis-1,2-Dichloroethene
 Concen: 48.933 ug/l
 RT: 6.81 min Scan# 1566
 Delta R.T. -0.00 min
 Lab File: VN058338.D
 Acq: 24 Sep 2019 10:52

Tgt Ion:	96	Resp:	308545
Ion Ratio	Lower	Upper	
96	100		
61	161.4	128.2	192.2
98	65.5	50.6	76.0





#23

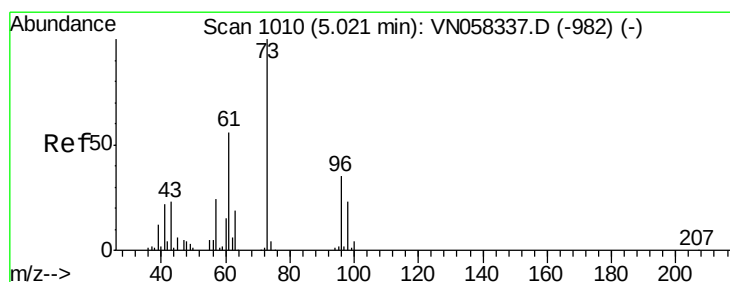
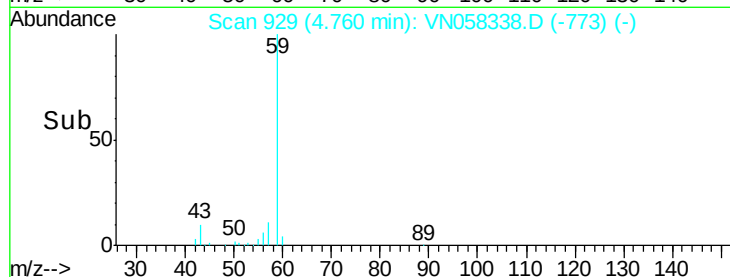
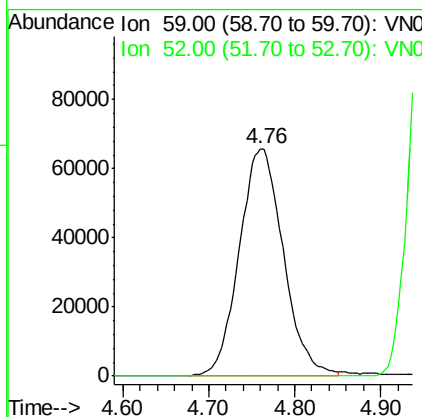
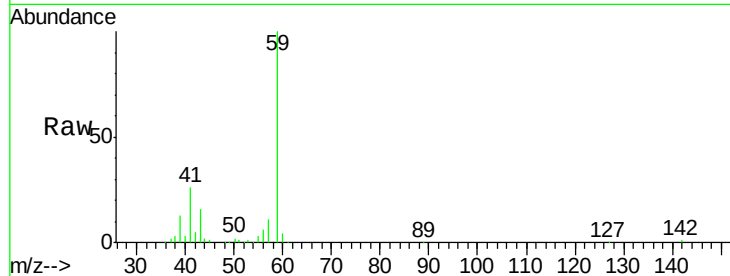
tert-Butyl Alcohol
 Concen: 273.079 ug/l
 RT: 4.76 min Scan# 929
 Delta R.T. 0.00 min
 Lab File: VN058338.D
 Acq: 24 Sep 2019 10:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.1	0.1	0.1

Manual Integrations
 APPROVED

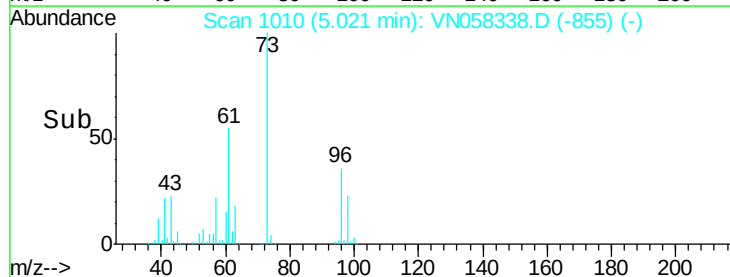
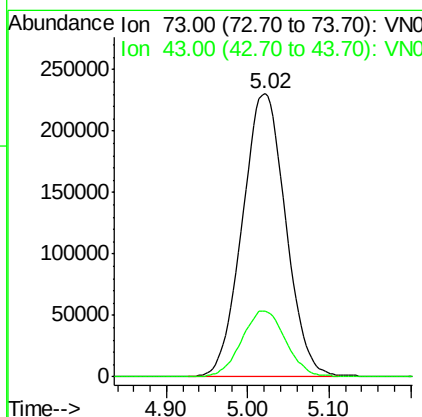
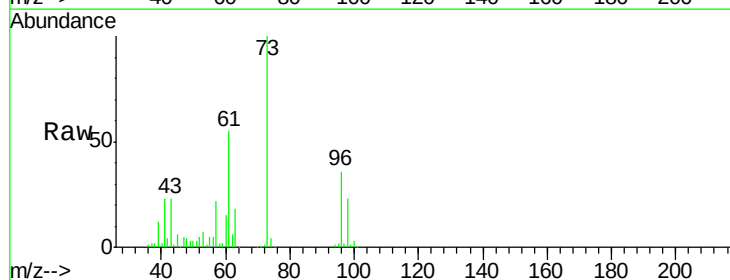
MMDadoda
 9/25/2019 8:23:44 AM

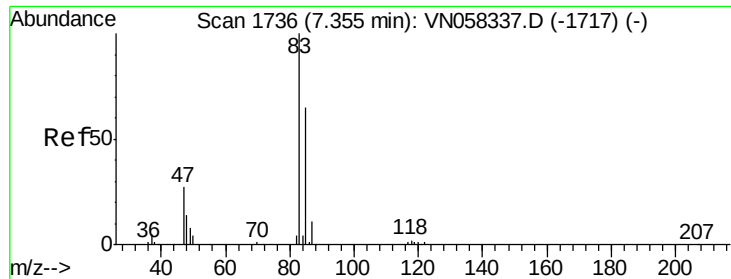


#24

Methyl tert-Butyl Ether
 Concen: 48.358 ug/l
 RT: 5.02 min Scan# 1010
 Delta R.T. -0.00 min
 Lab File: VN058338.D
 Acq: 24 Sep 2019 10:52

Tgt Ion	Ratio	Lower	Upper
73	100		
43	23.4	18.4	27.6





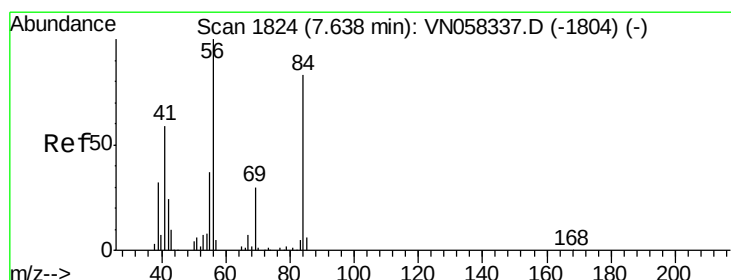
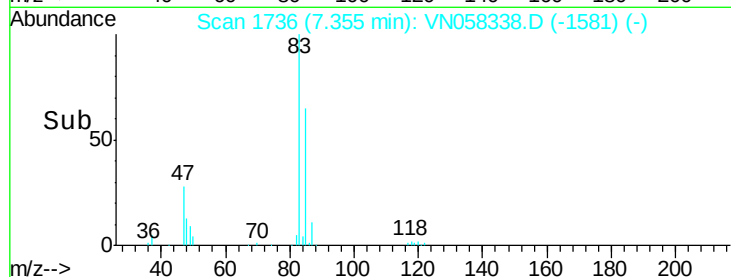
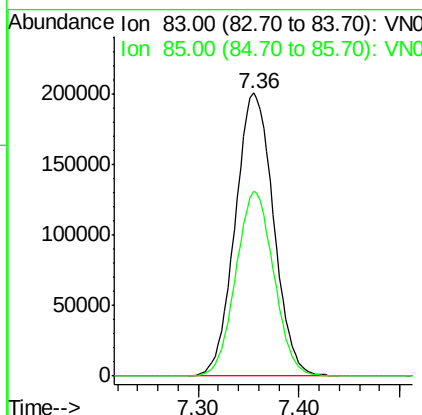
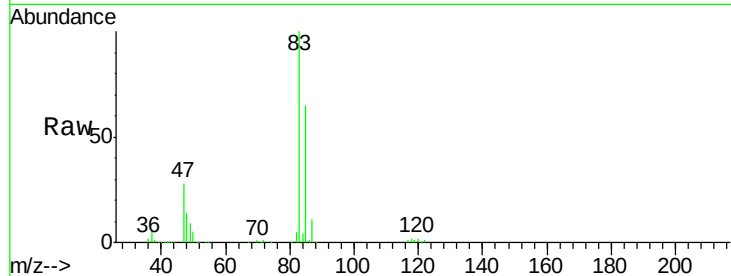
#25
Chloroform
Concen: 47.980 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VN058338.D
Acq: 24 Sep 2019 10:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	83	Resp	529991
Ion Ratio	100	Lower	Upper
83	100		
85	65.1	51.8	77.6

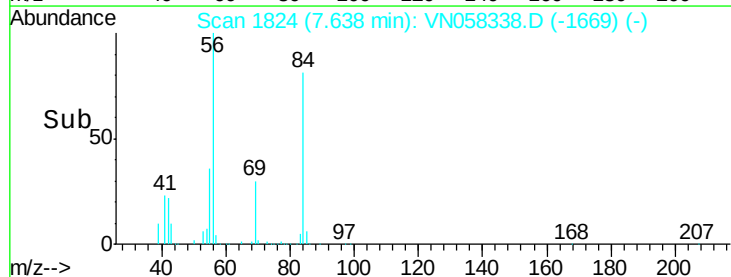
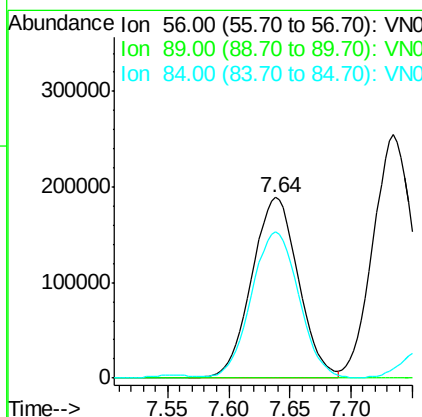
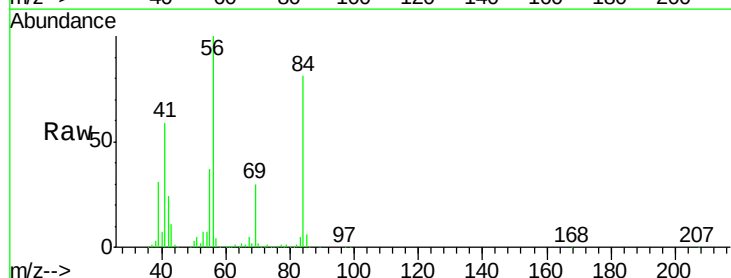
Manual Integrations
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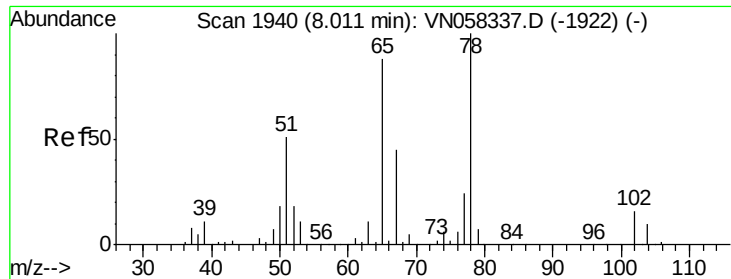
MMDadoda
9/25/2019 8:23:44 AM



#26
Cyclohexane
Concen: 53.731 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. -0.00 min
Lab File: VN058338.D
Acq: 24 Sep 2019 10:52

Tgt Ion	56	Resp	502326
Ion Ratio	100	Lower	Upper
56	100		
89	0.2	0.1	0.1#
84	82.3	66.9	100.3





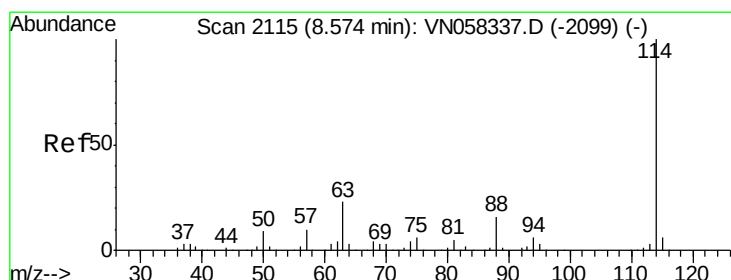
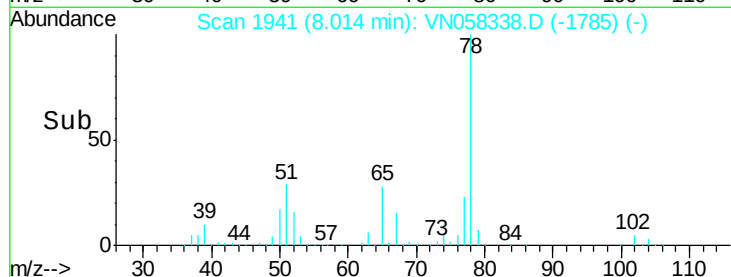
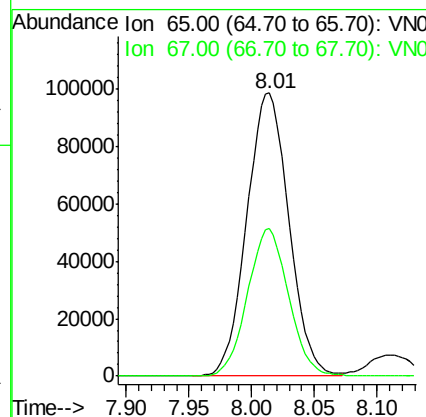
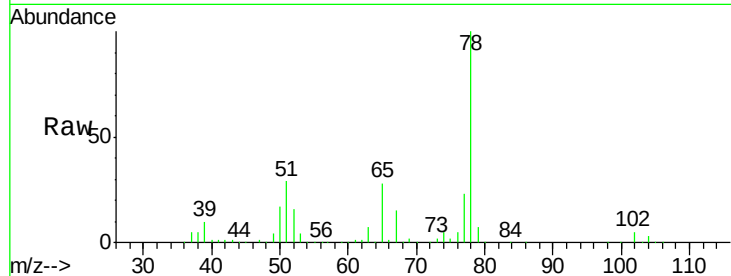
#27
 1,2-Dichloroethane-d4
 Concen: 30.039 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN058338.D
 Acq: 24 Sep 2019 10:52

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC050

Tot Ion: 65 Resp: 230372
 Ion Ratio Lower Upper
 65 100
 67 50.8 40.4 60.6

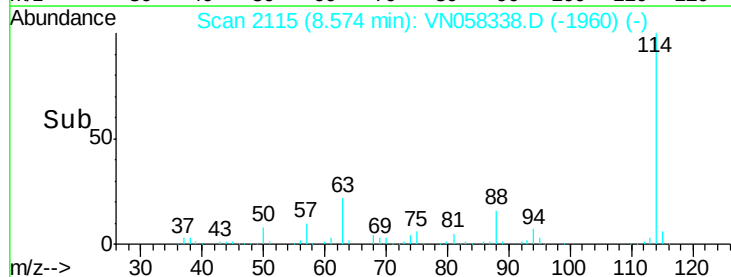
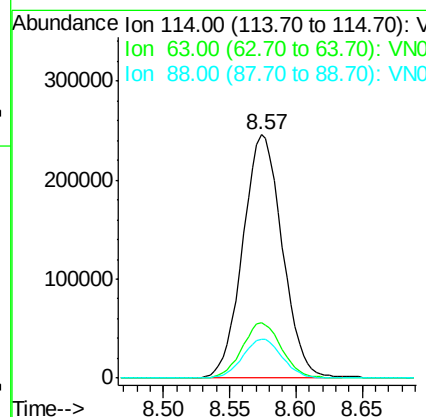
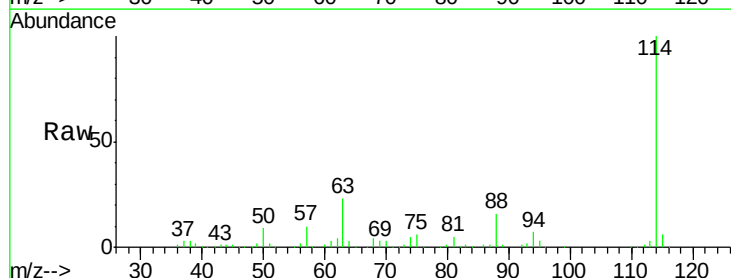
Manual Integrations
 APPROVED

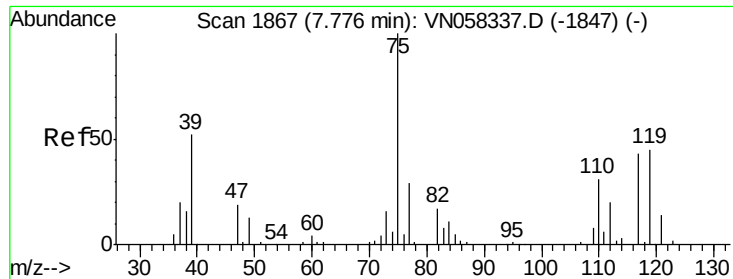
MMDadoda
 9/25/2019 8:23:44 AM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN058338.D
 Acq: 24 Sep 2019 10:52

Tgt Ion: 114 Resp: 509922
 Ion Ratio Lower Upper
 114 100
 63 22.5 17.8 26.8
 88 15.8 12.7 19.1





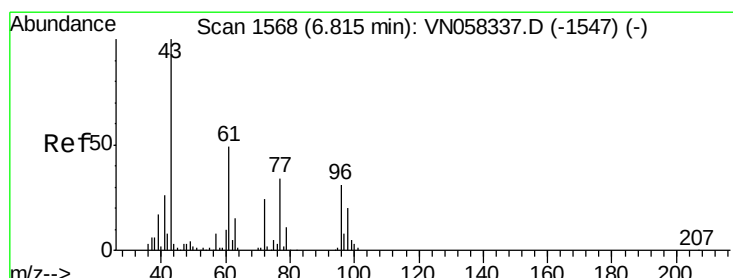
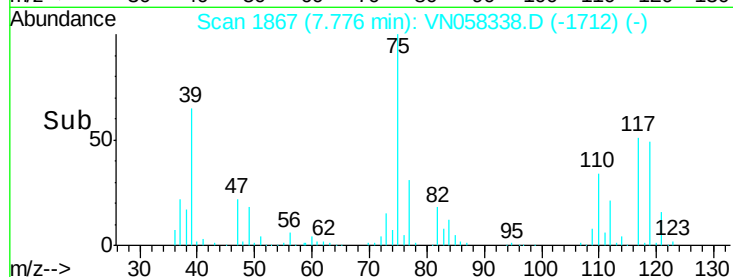
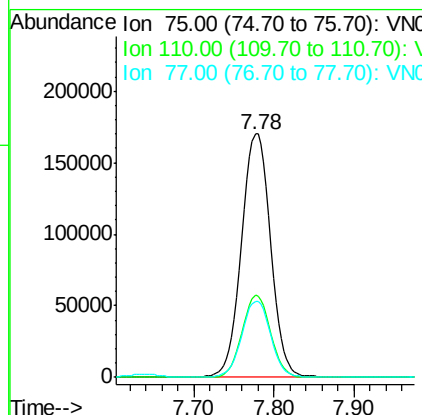
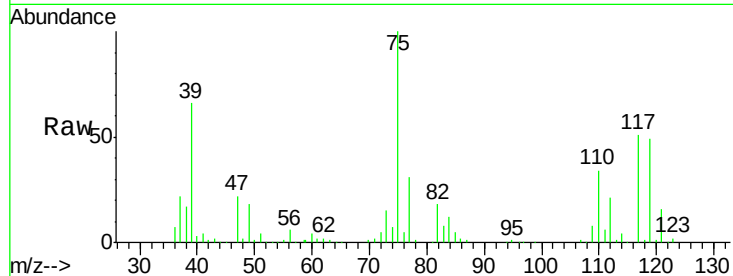
#29
 1,1-Dichloropropene
 Concen: 51.469 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN058338.D
 Acq: 24 Sep 2019 10:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	32.6	0.0	63.6
77	31.2	0.0	59.4

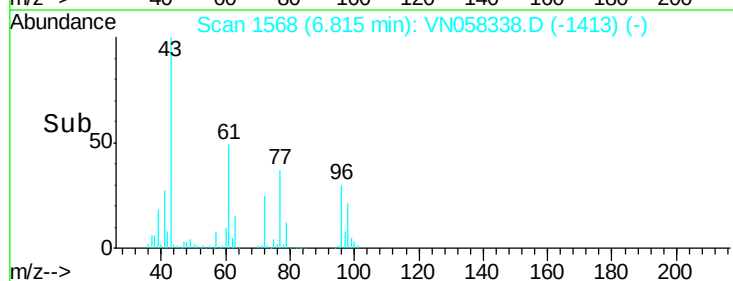
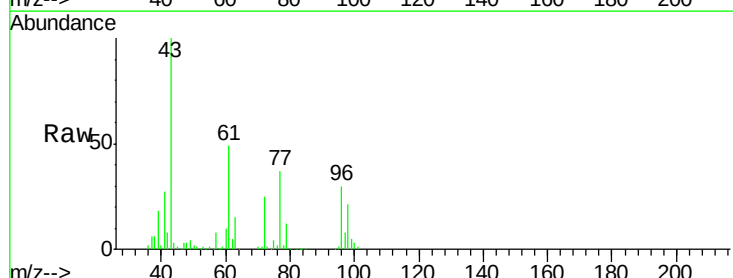
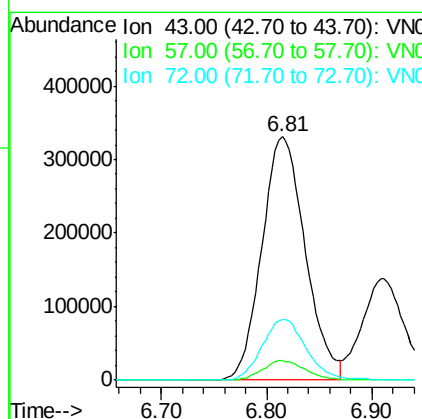
Manual Integrations
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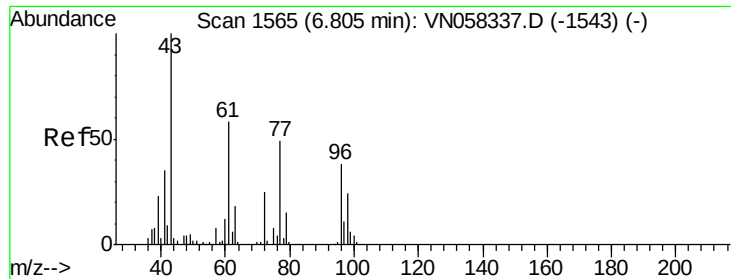
MMDadoda
 9/25/2019 8:23:44 AM



#30
 2-Butanone
 Concen: 258.215 ug/l
 RT: 6.81 min Scan# 1568
 Delta R.T. -0.00 min
 Lab File: VN058338.D
 Acq: 24 Sep 2019 10:52

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	7.9	6.2	9.4
72	25.5	20.3	30.5





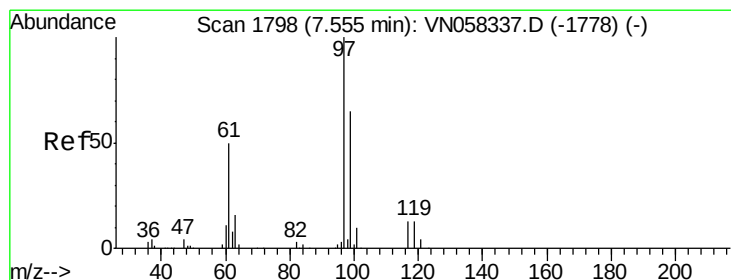
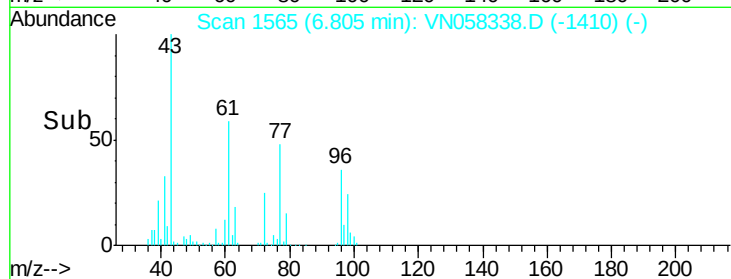
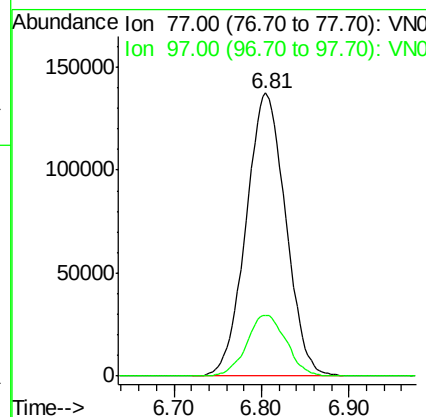
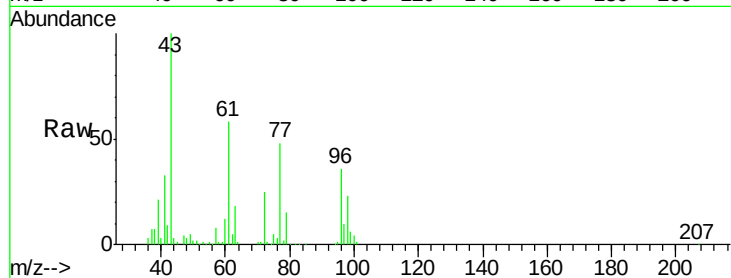
#31
 2,2-Dichloropropane
 Concen: 50.278 ug/l
 RT: 6.81 min Scan# 1565
 Delta R.T. -0.00 min
 Lab File: VN058338.D
 Acq: 24 Sep 2019 10:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
77	100		
97	21.6	17.6	26.4

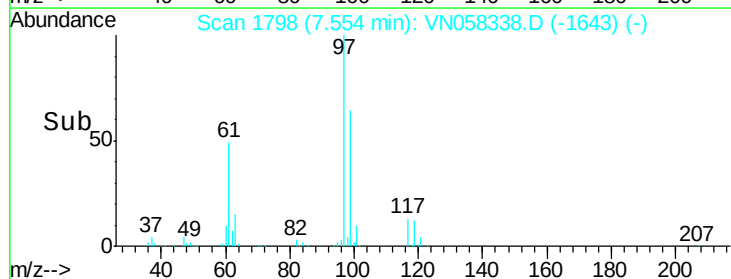
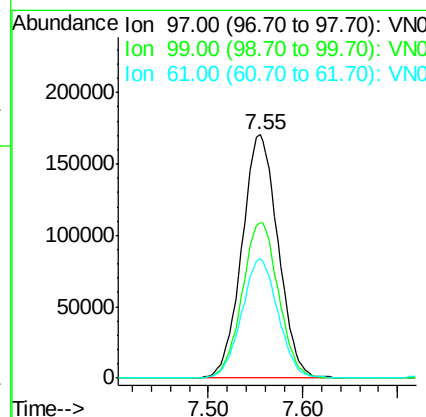
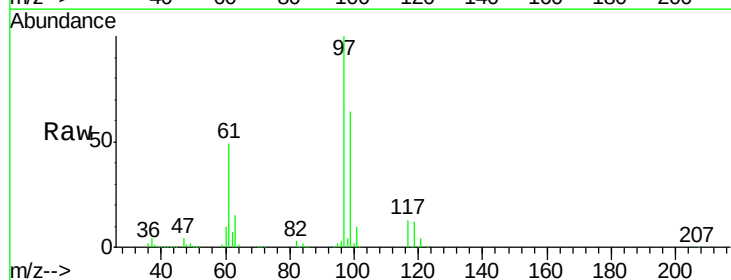
Manual Integrations
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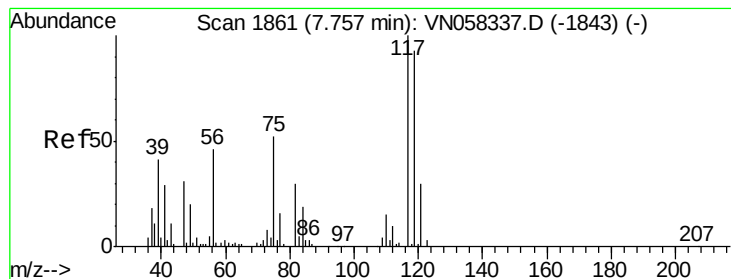
MMDadoda
 9/25/2019 8:23:44 AM



#32
 1,1,1-Trichloroethane
 Concen: 49.981 ug/l
 RT: 7.55 min Scan# 1798
 Delta R.T. -0.00 min
 Lab File: VN058338.D
 Acq: 24 Sep 2019 10:52

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.8	77.6
61	49.1	39.4	59.2





#33

Carbon Tetrachloride

Concen: 51.415 ug/l

RT: 7.76 min Scan# 1862

Delta R.T. 0.00 min

Lab File: VN058338.D

Acq: 24 Sep 2019 10:52

Instrument :

MSVOA_N

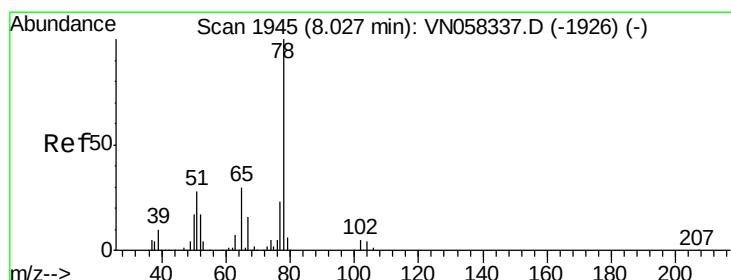
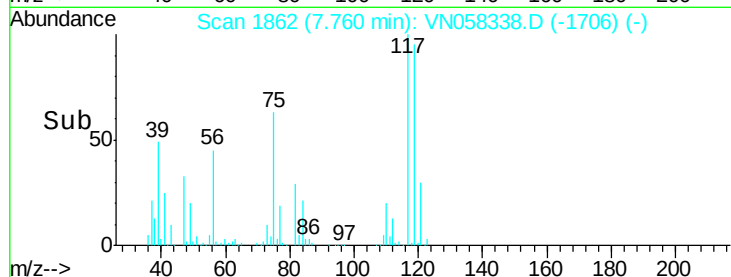
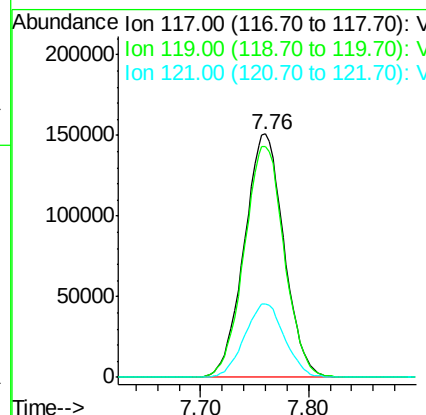
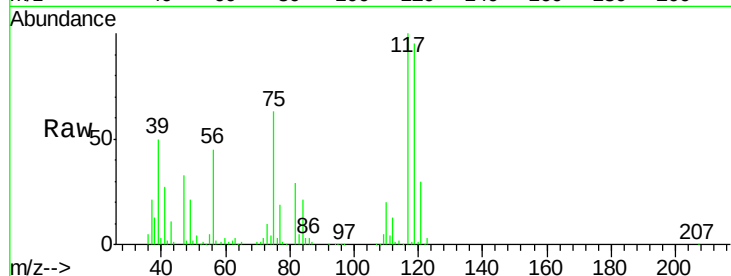
ClientSampleId :

VSTDIC050

Tot Ion:	117	Resp:	385591
Ion Ratio	Lower	Upper	
117	100		
119	94.6	74.2	111.4
121	30.2	23.9	35.9

Manual Integrations
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9/25/2019 8:23:44 AM



#34

Benzene

Concen: 50.084 ug/l

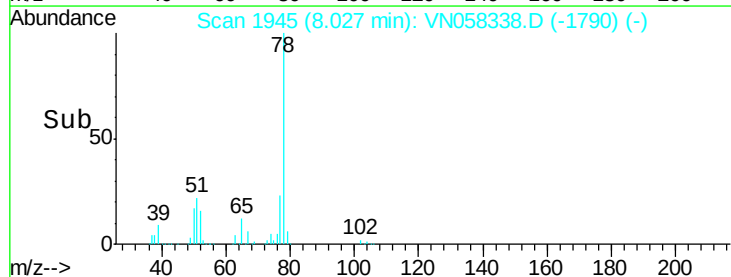
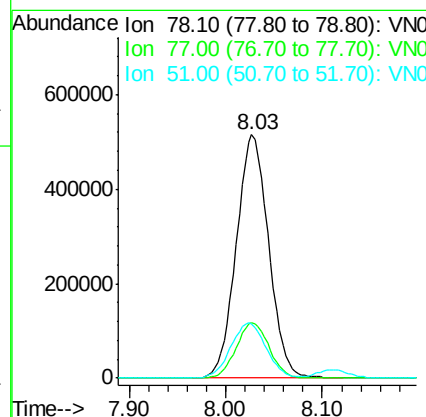
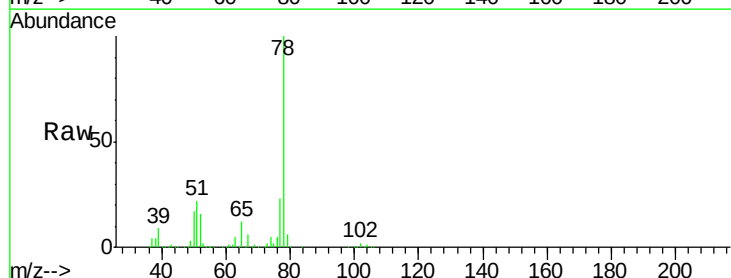
RT: 8.03 min Scan# 1945

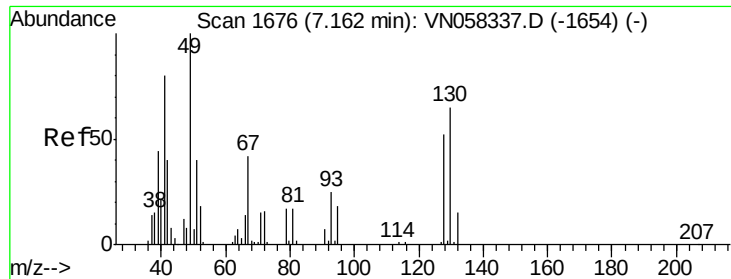
Delta R.T. -0.00 min

Lab File: VN058338.D

Acq: 24 Sep 2019 10:52

Tgt Ion:	78	Resp:	1197828
Ion Ratio	Lower	Upper	
78	100		
77	22.9	18.8	28.2
51	22.2	22.4	33.6#





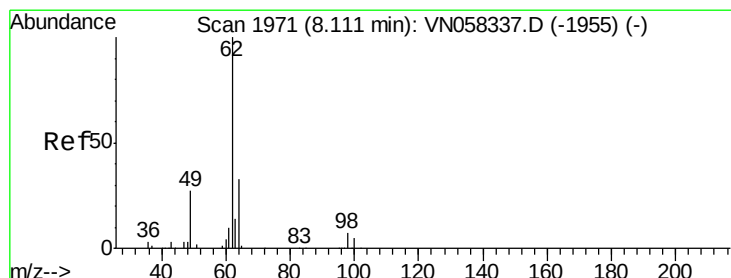
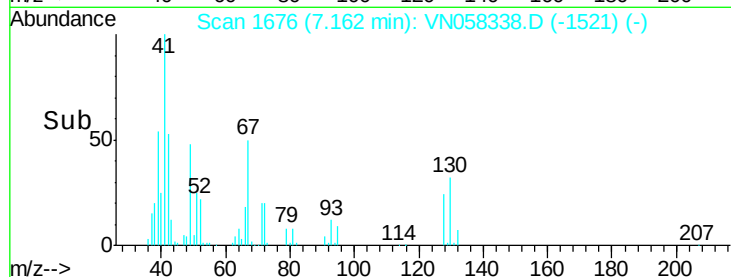
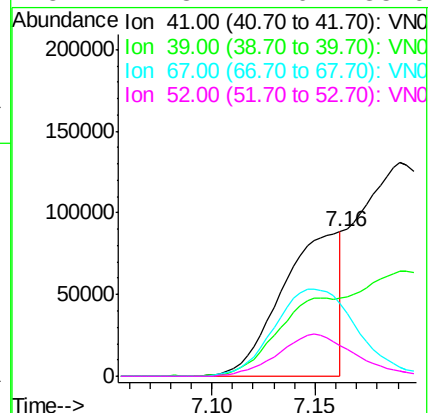
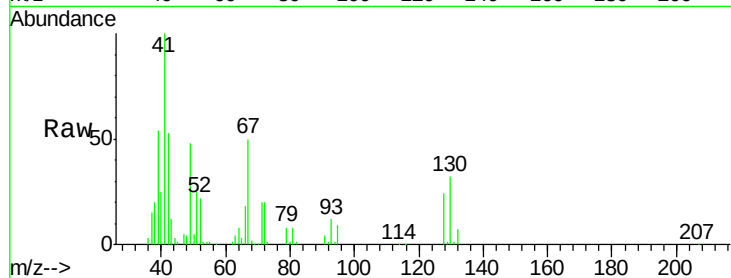
#35
Methacrylonitrile
Concen: 51.043 ug/l m
RT: 7.16 min Scan# 1676
Delta R.T. -0.00 min
Lab File: VN058338.D
Acq: 24 Sep 2019 10:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	54.2	27.3	81.9
67	50.3	26.3	78.9
52	21.8	11.0	33.0

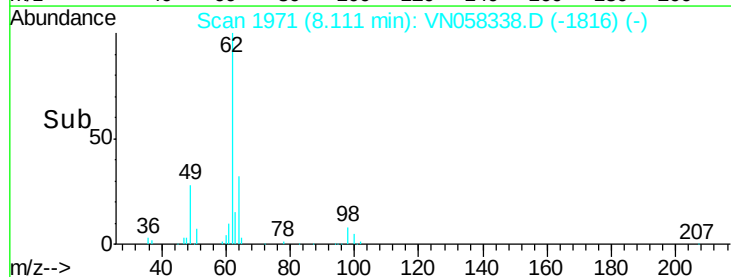
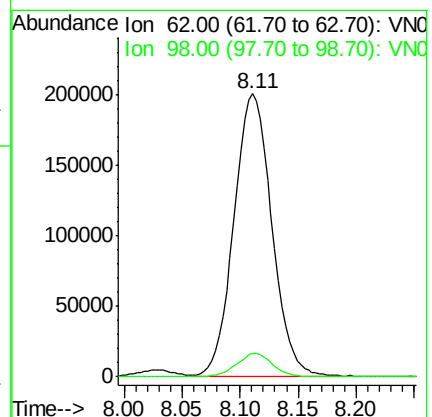
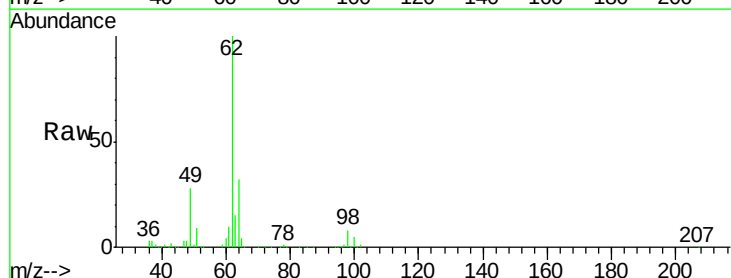
Manual Integrations
APPROVED

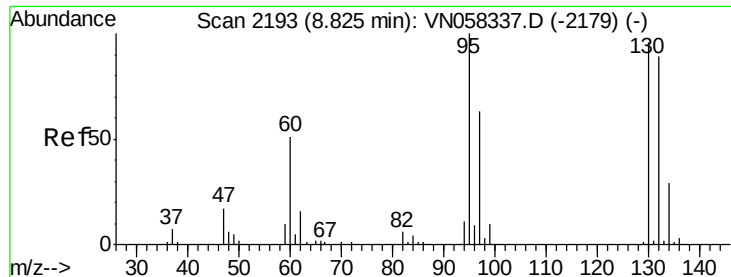
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#36
1,2-Dichloroethane
Concen: 49.008 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VN058338.D
Acq: 24 Sep 2019 10:52

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.9	6.0	9.0





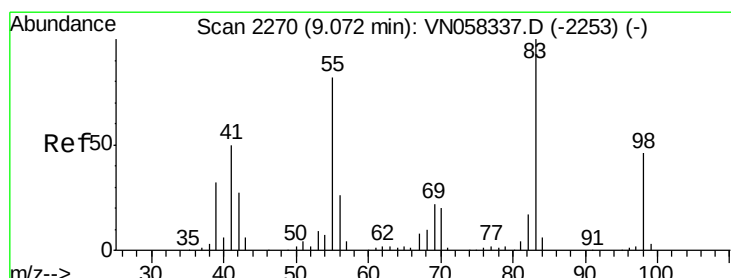
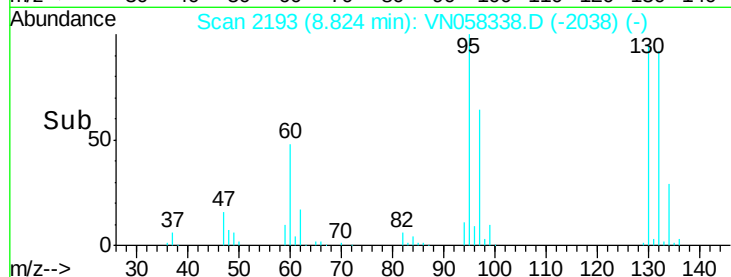
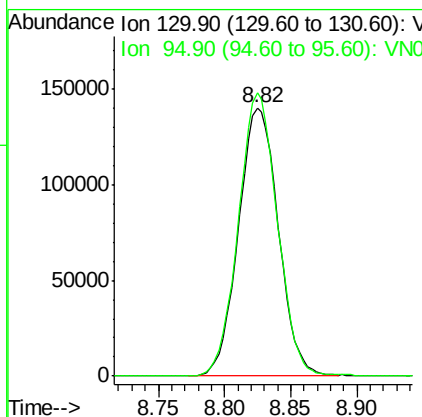
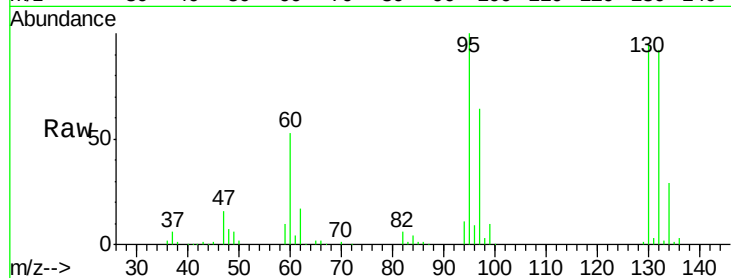
#37
 Trichloroethene
 Concen: 50.147 ug/l
 RT: 8.82 min Scan# 2193
 Delta R.T. -0.00 min
 Lab File: VN058338.D
 Acq: 24 Sep 2019 10:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
130	100	293020		
95	105.5	83.3	124.9	

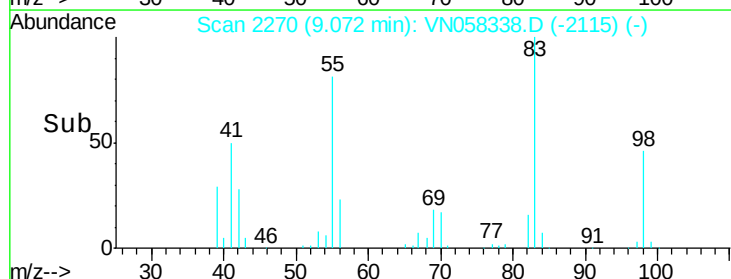
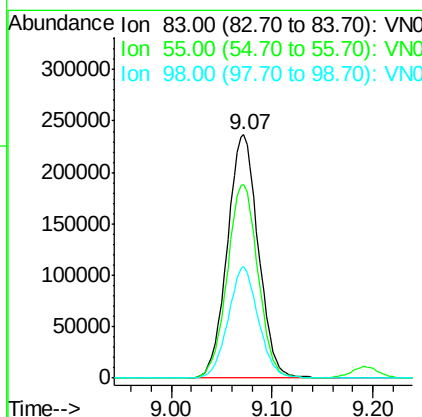
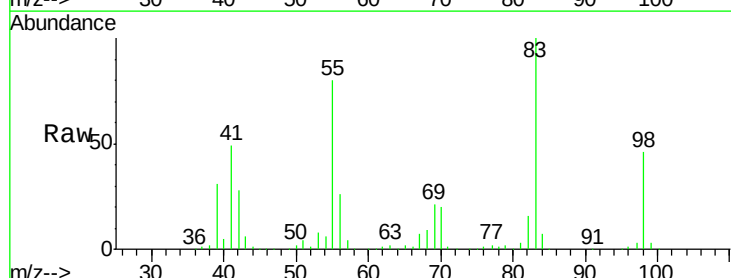
Manual Integrations
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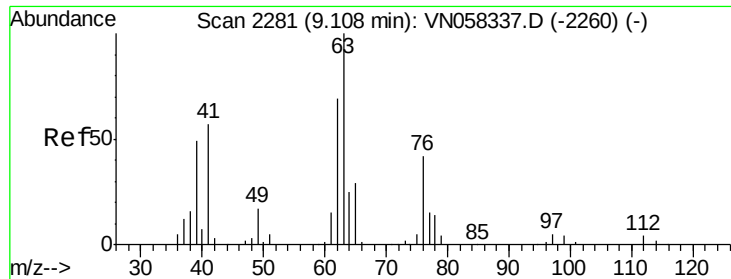
MMDadoda
 9/25/2019 8:23:44 AM



#38
 Methylcyclohexane
 Concen: 54.113 ug/l
 RT: 9.07 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: VN058338.D
 Acq: 24 Sep 2019 10:52

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	506072		
55	78.9	40.5	121.4	
98	44.6	23.1	69.2	





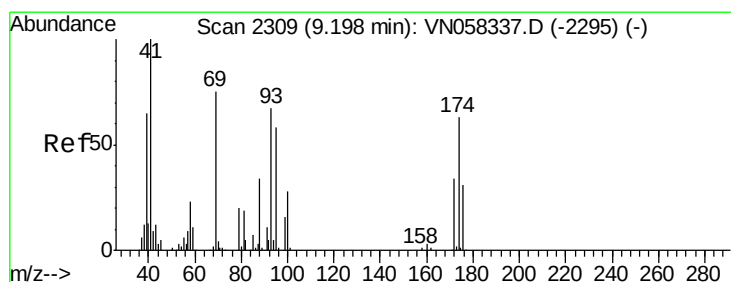
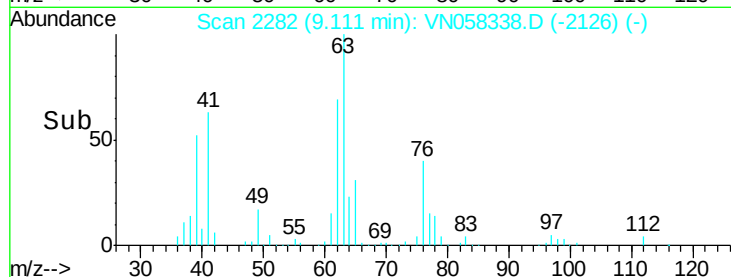
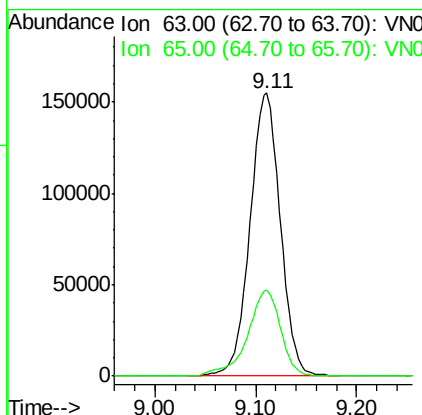
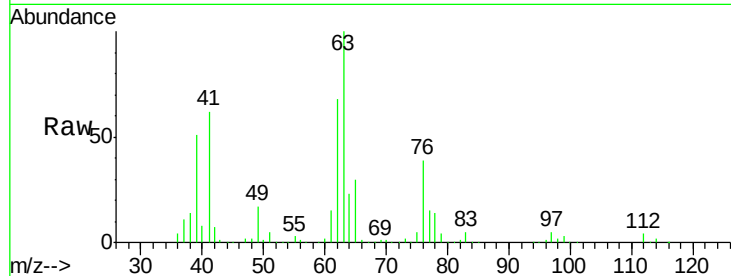
#39
 1,2-Dichloropropane
 Concen: 48.237 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN058338.D
 Acq: 24 Sep 2019 10:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion: 63 Resp: 321662
 Ion Ratio Lower Upper
 63 100
 65 30.2 23.4 35.0

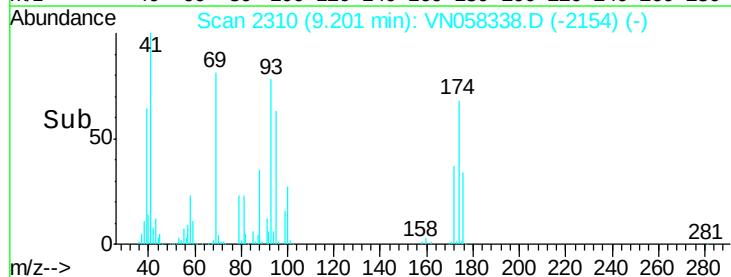
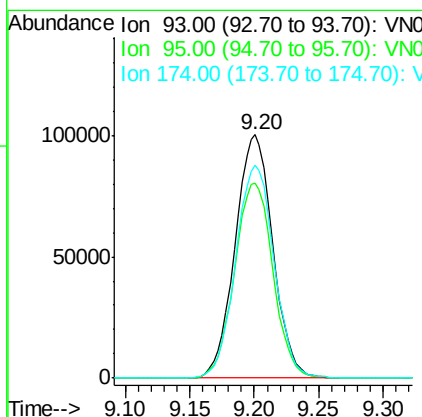
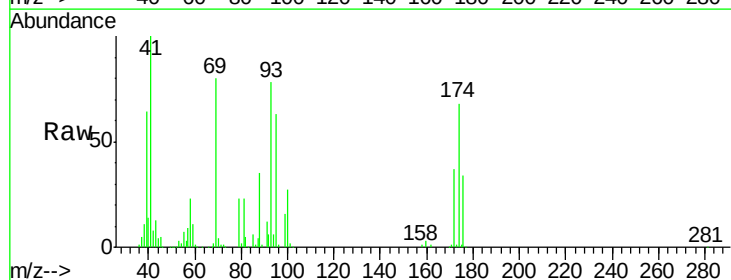
Manual Integrations
 APPROVED

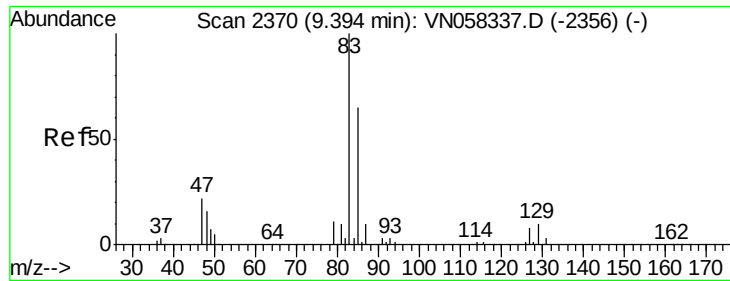
MMDadoda
 9/25/2019 8:23:44 AM



#40
 Dibromomethane
 Concen: 50.013 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN058338.D
 Acq: 24 Sep 2019 10:52

Tgt Ion: 93 Resp: 204036
 Ion Ratio Lower Upper
 93 100
 95 81.7 0.0 166.8
 174 89.1 0.0 187.2





#41

Bromodichloromethane

Concen: 49.195 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN058338.D

Acq: 24 Sep 2019 10:52

Instrument :

MSVOA_N

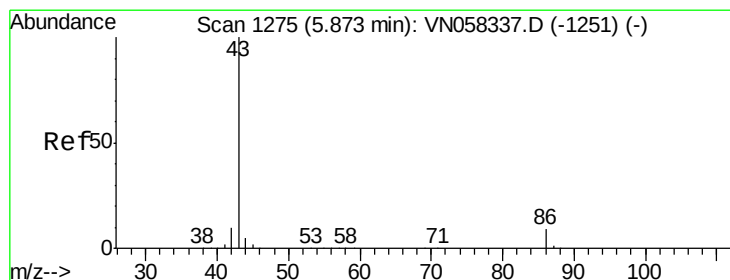
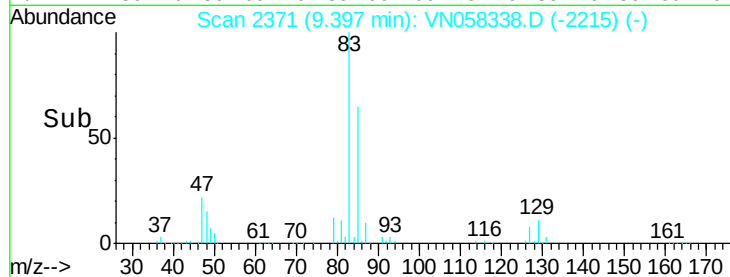
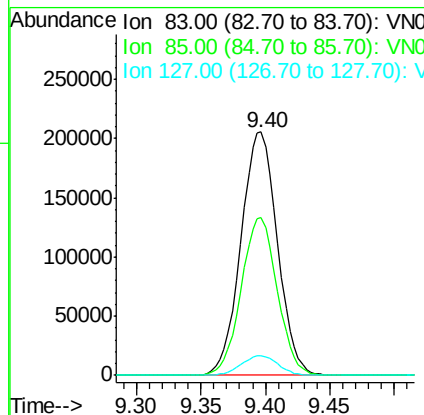
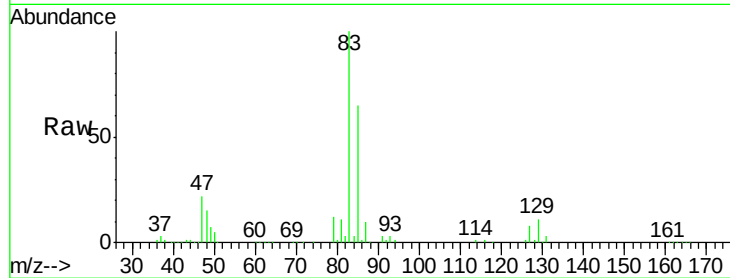
ClientSampleId :

VSTDIC050

Tot Ion:	83	Resp:	404843
Ion Ratio	Lower	Upper	
83	100		
85	64.7	52.0	78.0
127	8.3	6.1	9.1

Manual Integrations
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9/25/2019 8:23:44 AM



#42

Vinyl Acetate

Concen: 270.227 ug/l

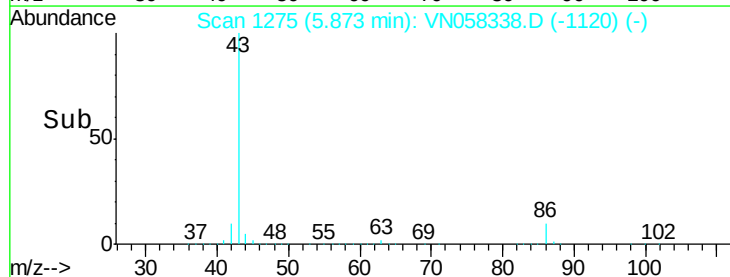
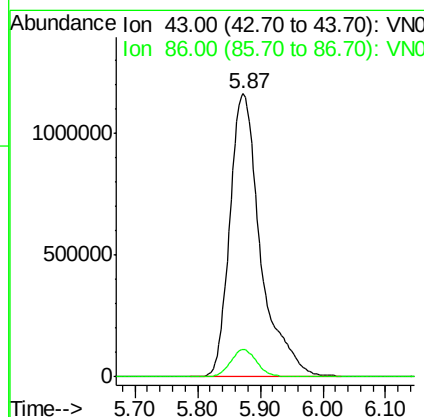
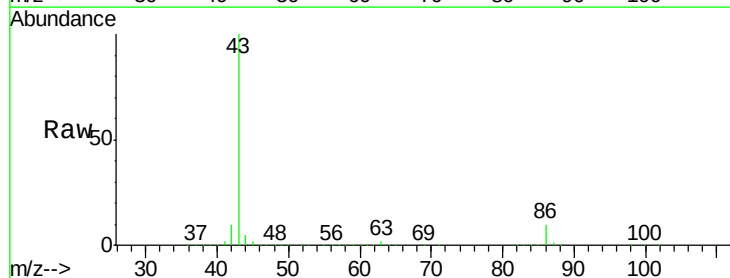
RT: 5.87 min Scan# 1275

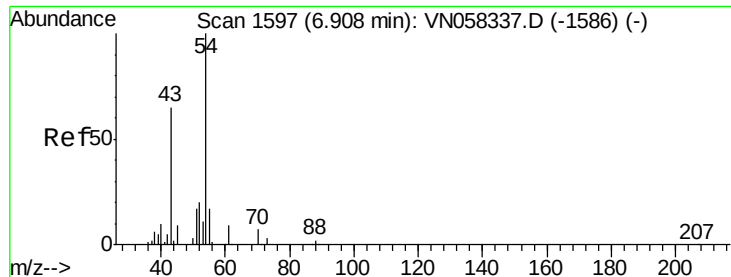
Delta R.T. -0.00 min

Lab File: VN058338.D

Acq: 24 Sep 2019 10:52

Tgt Ion:	43	Resp:	3959868
Ion Ratio	Lower	Upper	
43	100		
86	8.3	6.6	9.8





#43

Ethyl Acetate

Concen: 52.417 ug/l

RT: 6.91 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VN058338.D

Acq: 24 Sep 2019 10:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion: 43 Resp: 387584

Ion Ratio Lower Upper

43 100

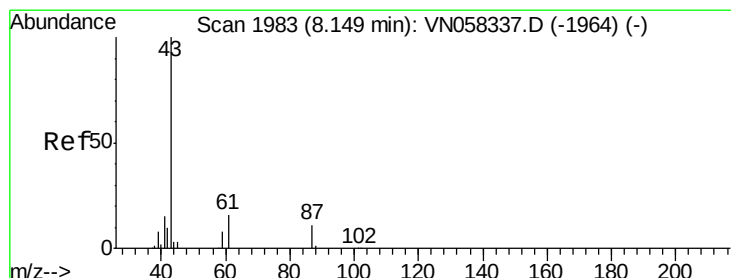
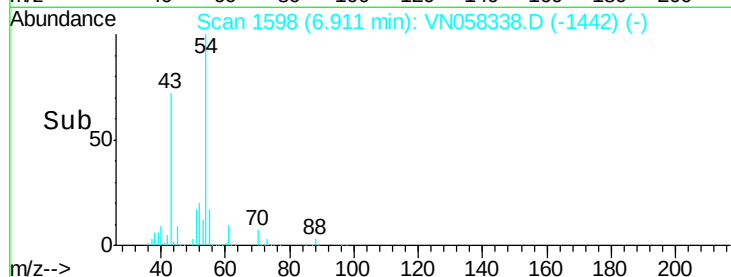
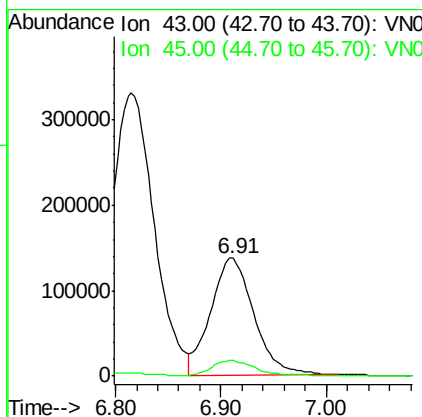
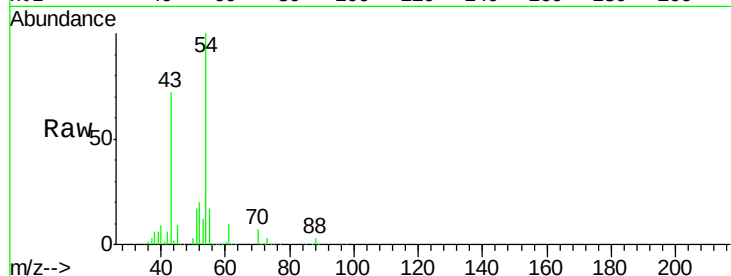
45 12.7 9.8 14.6

Manual Integrations

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MMDadoda

9/25/2019 8:23:44 AM



#44

Isopropyl Acetate

Concen: 51.165 ug/l

RT: 8.15 min Scan# 1983

Delta R.T. -0.00 min

Lab File: VN058338.D

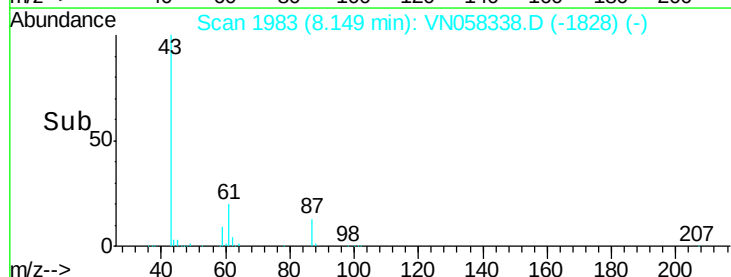
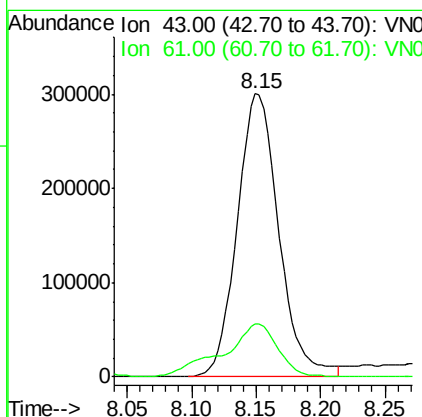
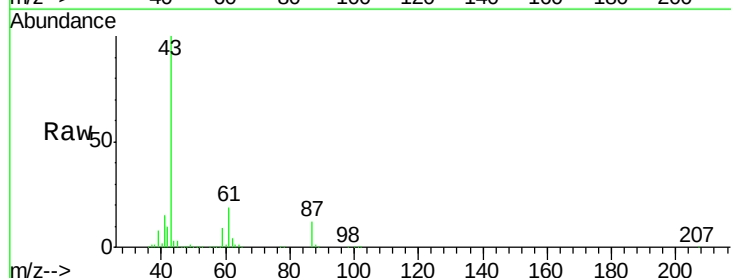
Acq: 24 Sep 2019 10:52

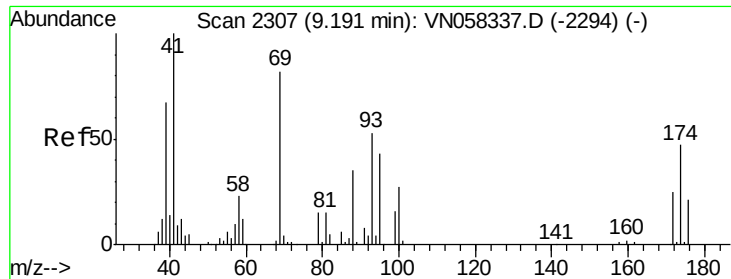
Tgt Ion: 43 Resp: 671269

Ion Ratio Lower Upper

43 100

61 17.6 14.4 21.6





#45

1,4-Dioxane

Concen: 1059.463 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. -0.00 min

Lab File: VN058338.D

Acq: 24 Sep 2019 10:52

Instrument :

MSVOA_N

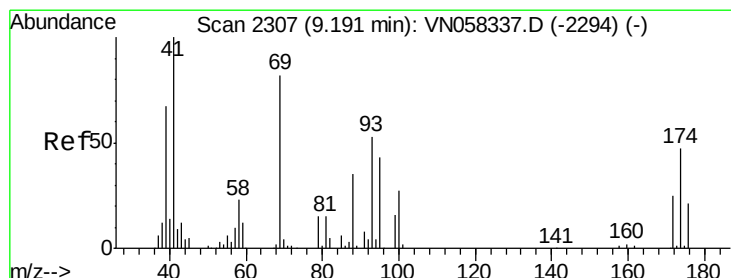
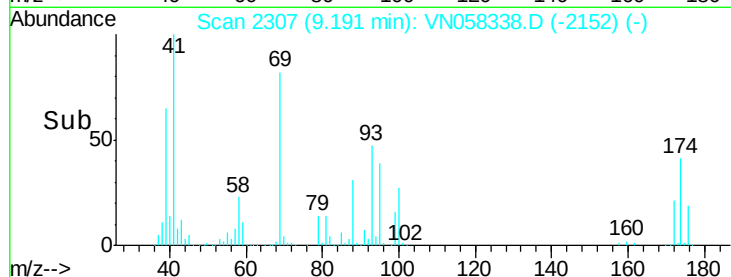
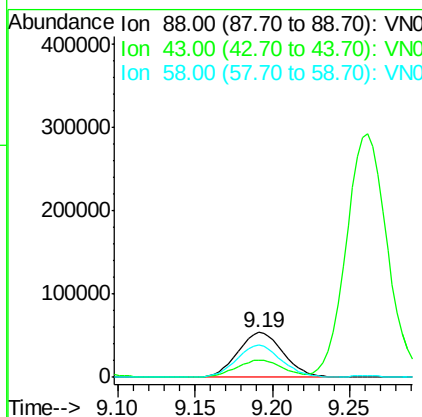
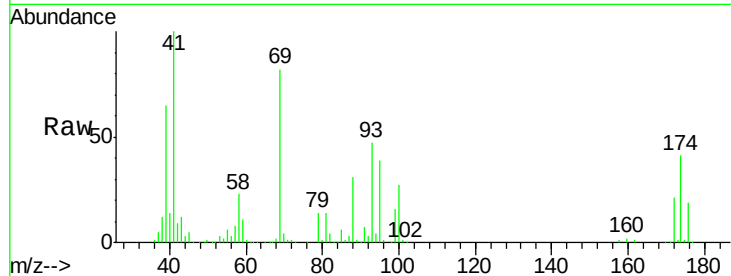
ClientSampleId :

VSTDIC050

Tot Ion:	88	Resp:	111151
Ion	Ratio	Lower	Upper
88	100		
43	35.8	27.2	40.8
58	70.1	55.4	83.0

Manual Integrations
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#46

Methyl methacrylate

Concen: 49.888 ug/l

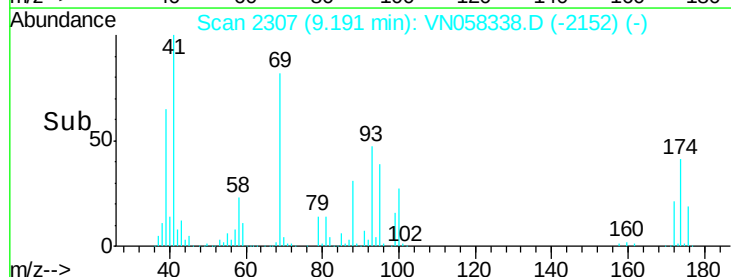
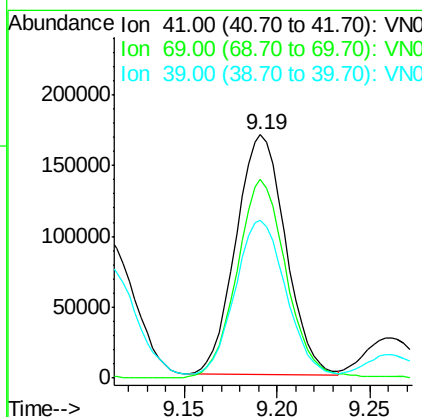
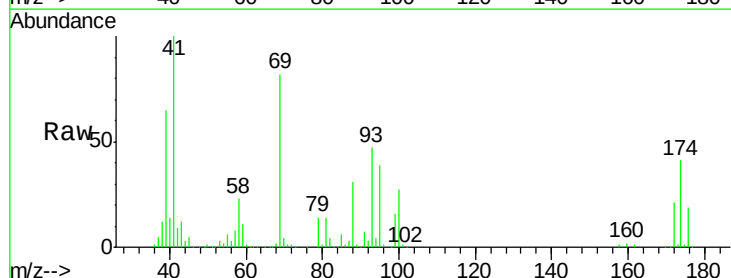
RT: 9.19 min Scan# 2307

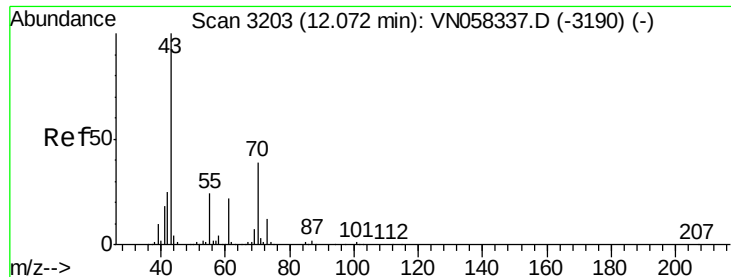
Delta R.T. -0.00 min

Lab File: VN058338.D

Acq: 24 Sep 2019 10:52

Tgt Ion:	41	Resp:	316445
Ion	Ratio	Lower	Upper
41	100		
69	82.4	40.9	122.7
39	64.3	33.6	100.6





#47

n-amvl Acetate

Concen: 50.654 ug/l

RT: 12.08 min Scan# 3204

Delta R.T. 0.00 min

Lab File: VN058338.D

Acq: 24 Sep 2019 10:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion: 43 Resp: 602128

Ion Ratio Lower Upper

43 100

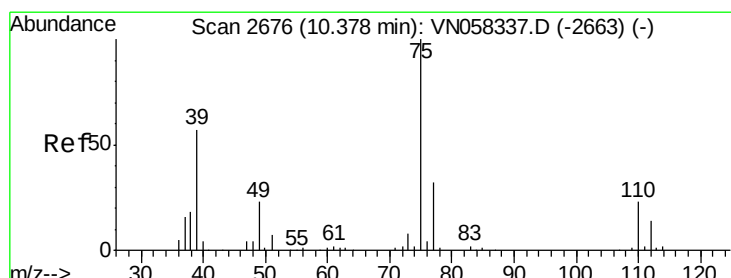
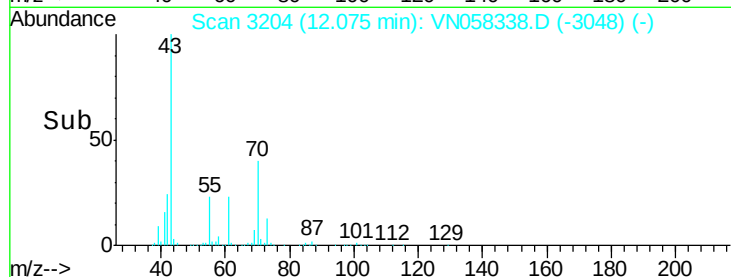
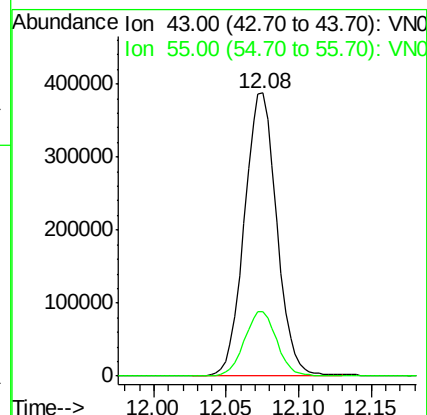
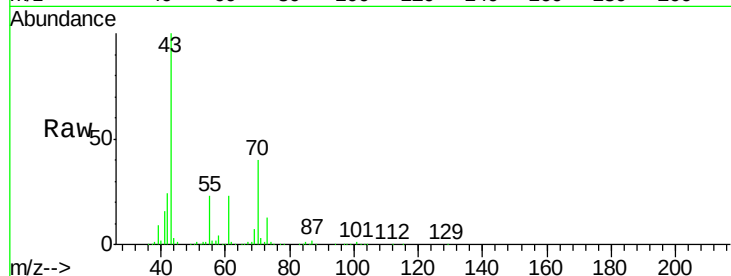
55 23.1 19.0 28.4

Manual Integrations

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#48

t-1,3-Dichloropropene

Concen: 51.242 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN058338.D

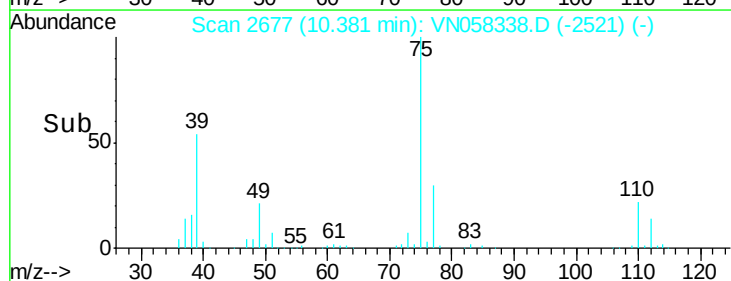
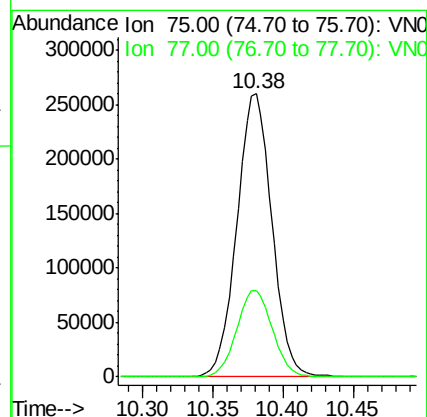
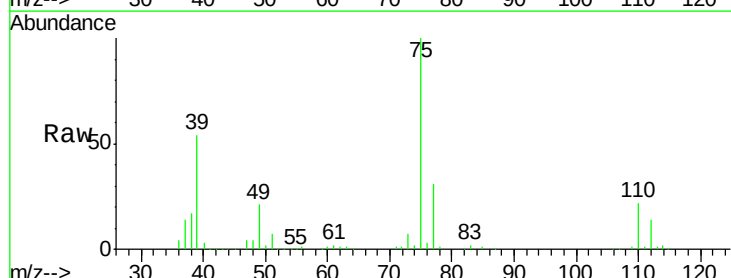
Acq: 24 Sep 2019 10:52

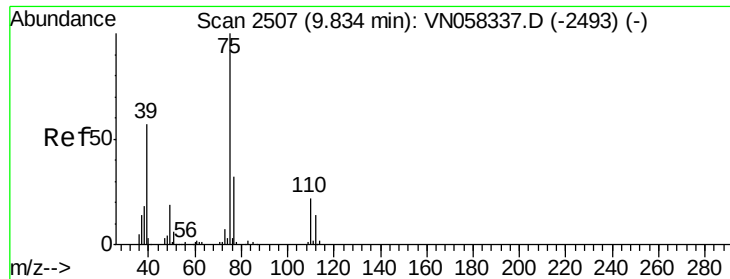
Tgt Ion: 75 Resp: 451442

Ion Ratio Lower Upper

75 100

77 30.5 25.4 38.0





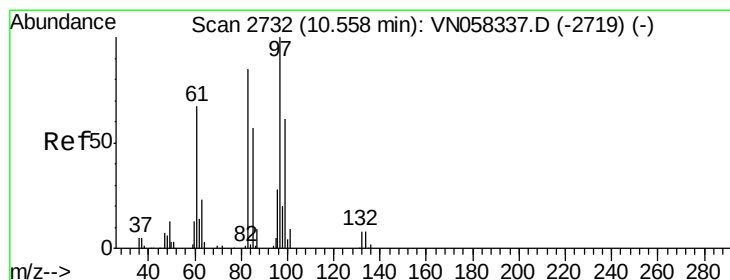
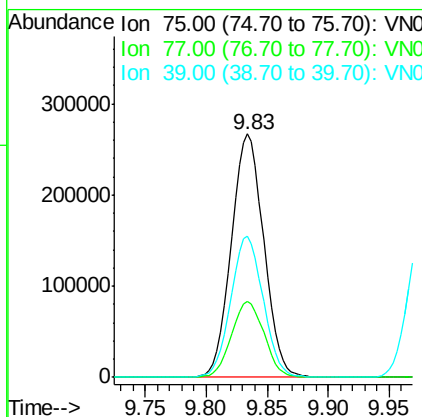
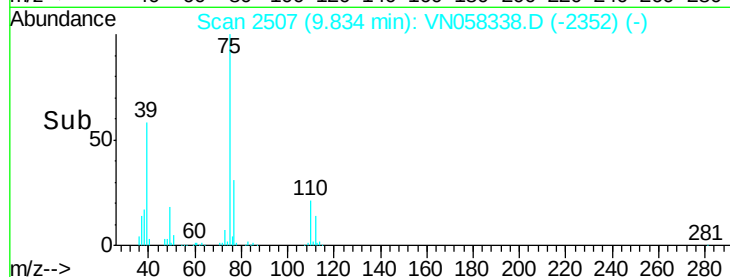
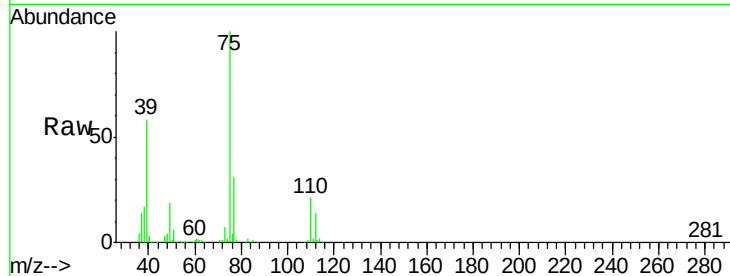
#49
 cis-1,3-Dichloropropene
 Concen: 49.897 ug/l
 RT: 9.83 min Scan# 2507
 Delta R.T. -0.00 min
 Lab File: VN058338.D
 Acq: 24 Sep 2019 10:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.0	25.2	37.8
39	57.9	45.8	68.6

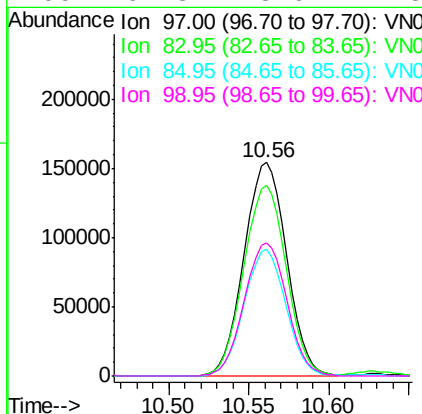
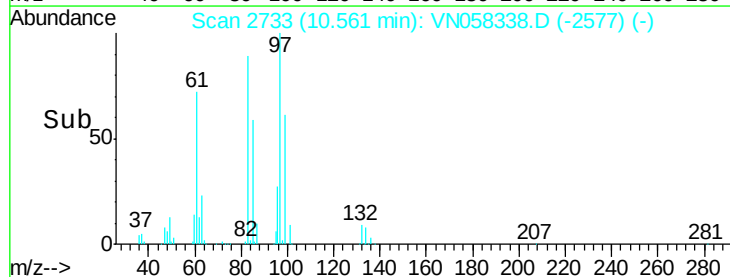
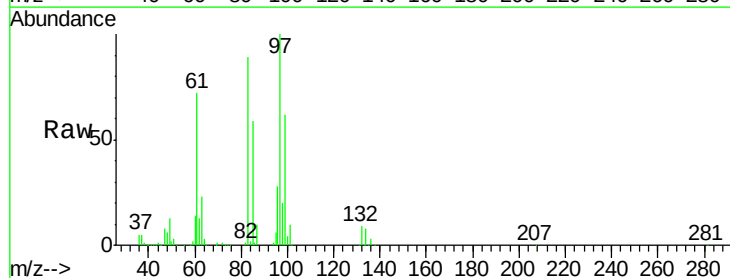
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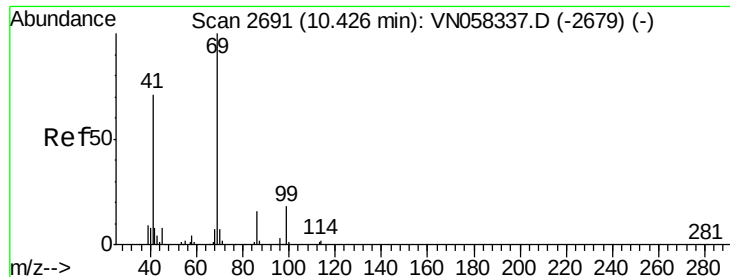
MMDadoda
 9/25/2019 8:23:44 AM



#50
 1,1,2-Trichloroethane
 Concen: 47.870 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN058338.D
 Acq: 24 Sep 2019 10:52

Tgt Ion	Ratio	Lower	Upper
97	100		
83	89.2	67.8	101.6
85	59.1	45.8	68.6
99	62.3	48.6	72.8





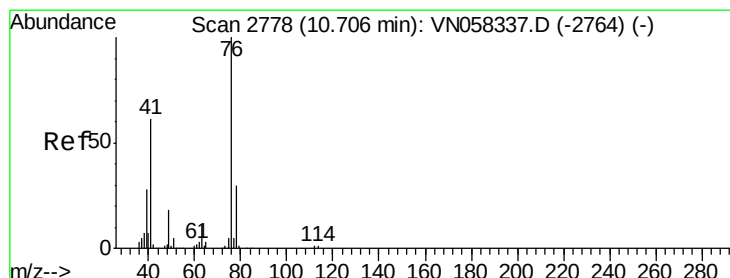
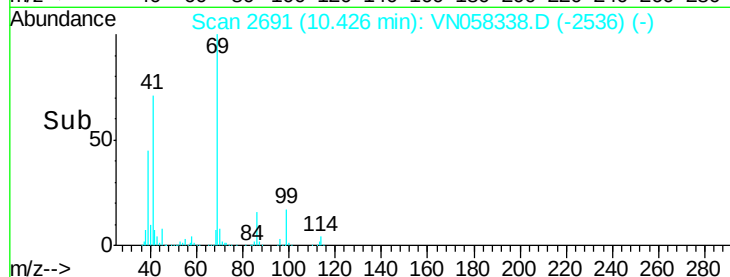
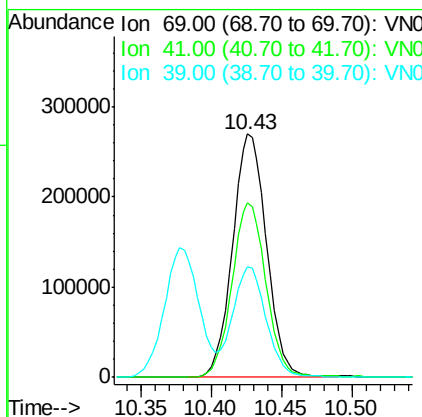
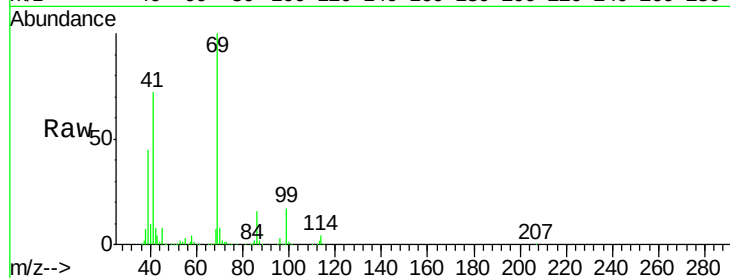
#51
Ethyl methacrylate
Concen: 49.722 ug/l
RT: 10.43 min Scan# 2691
Delta R.T. -0.00 min
Lab File: VN058338.D
Acq: 24 Sep 2019 10:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
69	100		
41	71.4	35.4	106.1
39	44.8	23.5	70.5

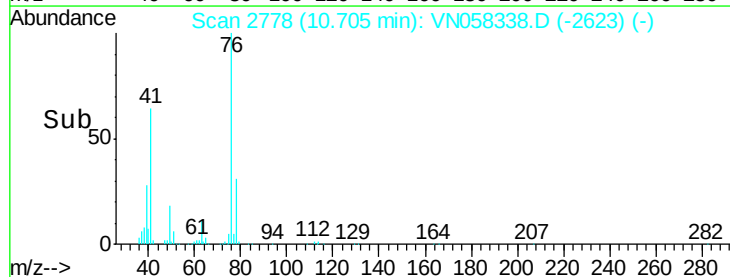
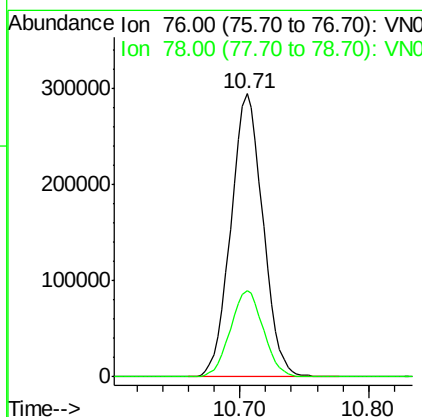
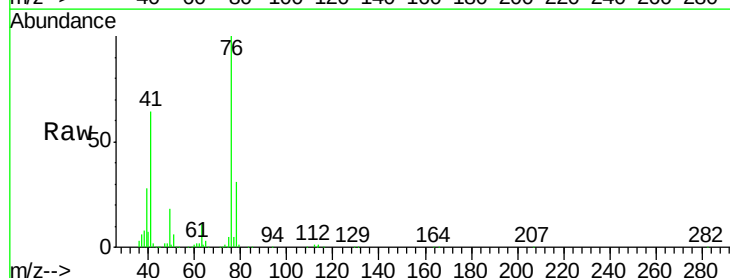
Manual Integrations
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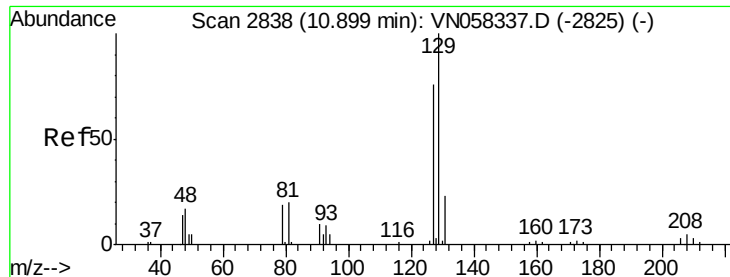
MMDadoda
9/25/2019 8:23:44 AM



#52
1,3-Dichloropropane
Concen: 49.211 ug/l
RT: 10.71 min Scan# 2778
Delta R.T. -0.00 min
Lab File: VN058338.D
Acq: 24 Sep 2019 10:52

Tgt Ion	Ratio	Lower	Upper
76	100		
78	31.3	0.0	63.0





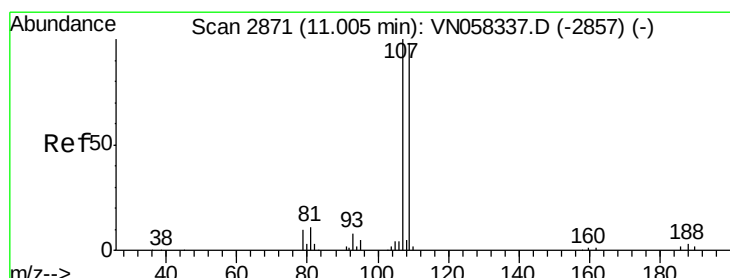
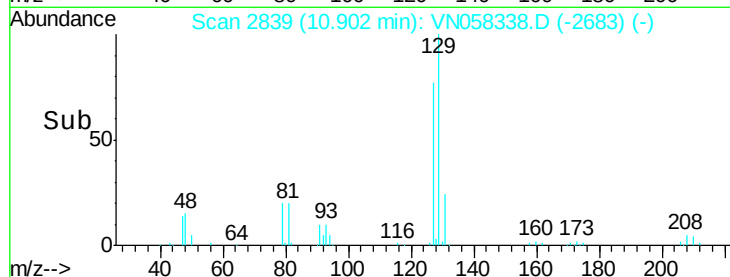
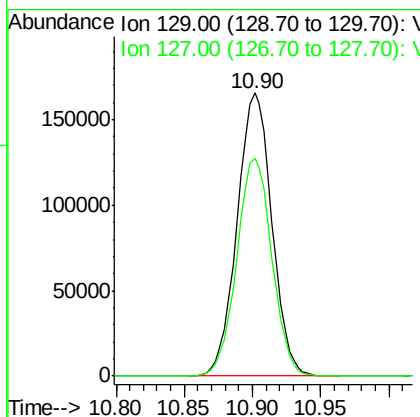
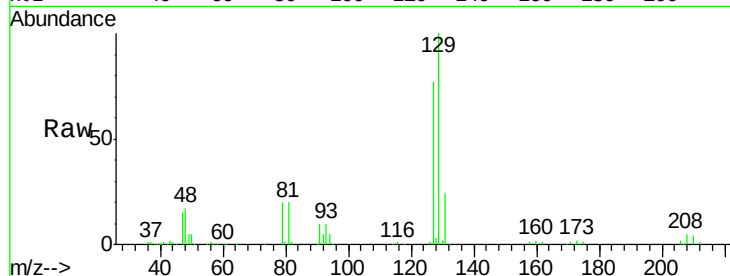
#53
 Dibromochloromethane
 Concen: 49.922 ug/l
 RT: 10.90 min Scan# 2839
 Delta R.T. 0.00 min
 Lab File: VN058338.D
 Acq: 24 Sep 2019 10:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
129	100		
127	77.5	38.4	115.2

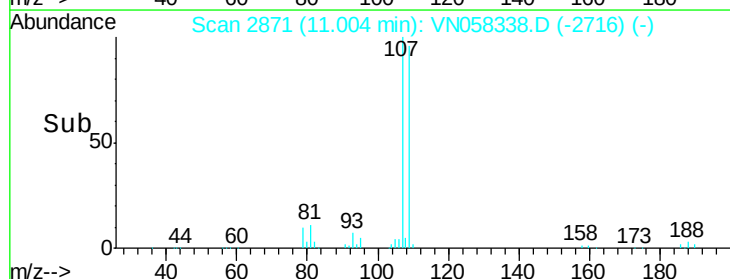
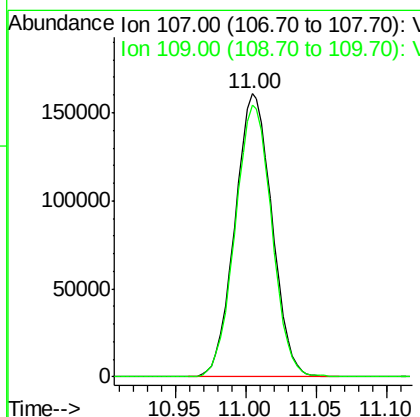
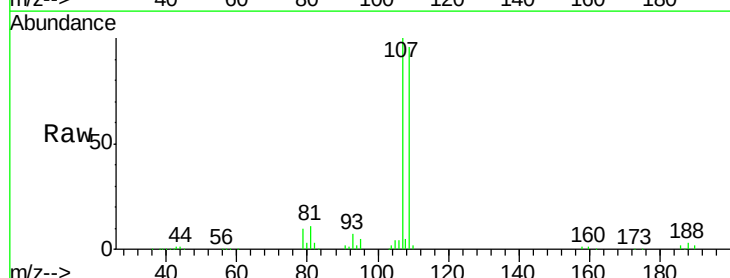
Manual Integrations
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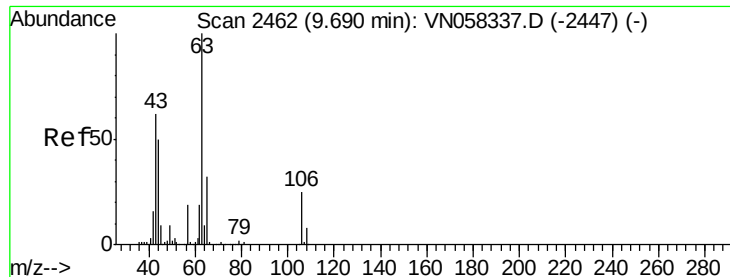
MMDadoda
 9/25/2019 8:23:44 AM



#54
 1,2-Dibromoethane
 Concen: 50.127 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN058338.D
 Acq: 24 Sep 2019 10:52

Tgt Ion	Ratio	Lower	Upper
107	100		
109	95.3	76.5	114.7





#55

2-Chloroethyl vinyl ether

Concen: 234.860 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. -0.00 min

Lab File: VN058338.D

Acq: 24 Sep 2019 10:52

Instrument :

MSVOA_N

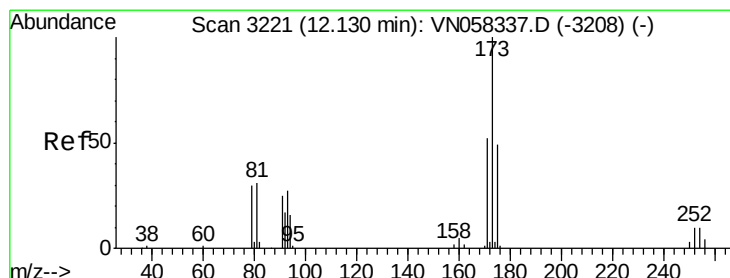
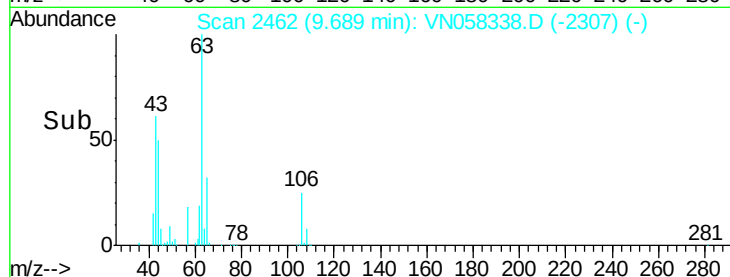
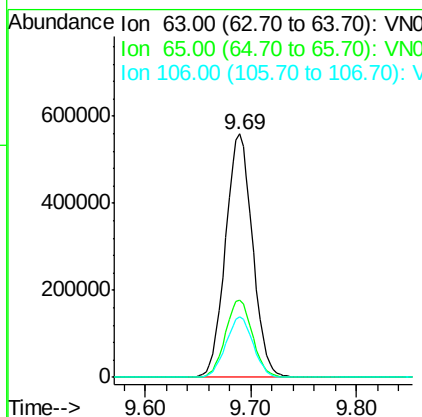
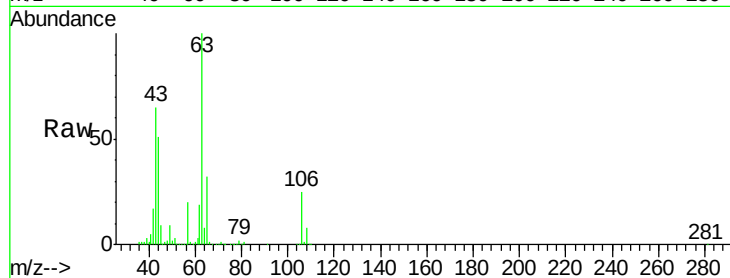
ClientSampleId :

VSTDIC050

Tot Ion:	63	Resp:	989936
Ion	Ratio	Lower	Upper
63	100		
65	31.7	25.4	38.2
106	24.9	20.4	30.6

Manual Integrations
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9/25/2019 8:23:44 AM



#56

Bromoform

Concen: 51.222 ug/l

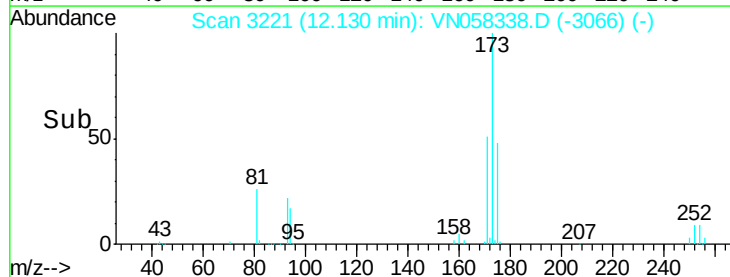
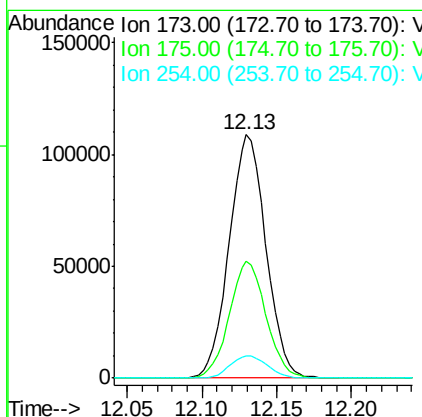
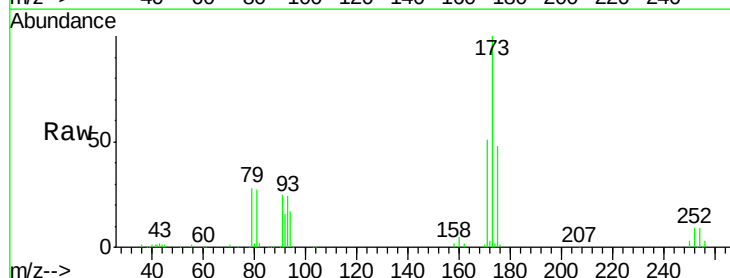
RT: 12.13 min Scan# 3221

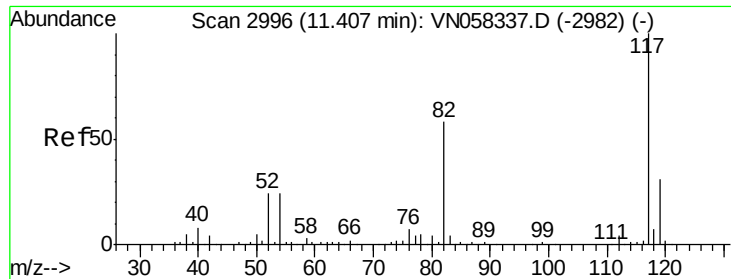
Delta R.T. -0.00 min

Lab File: VN058338.D

Acq: 24 Sep 2019 10:52

Tgt Ion:	173	Resp:	186321
Ion	Ratio	Lower	Upper
173	100		
175	47.8	38.8	58.2
254	9.2	7.8	11.8





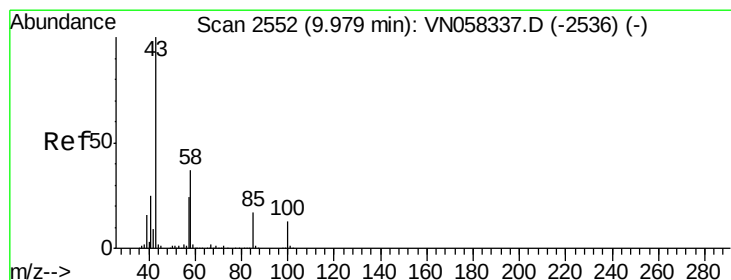
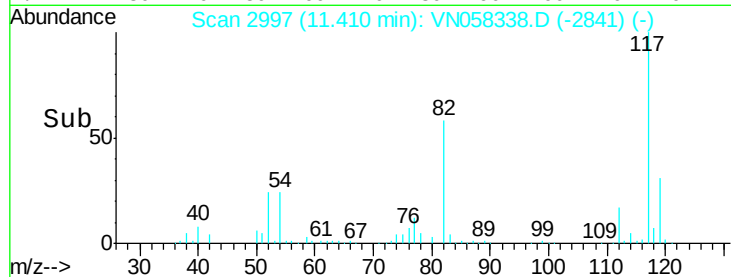
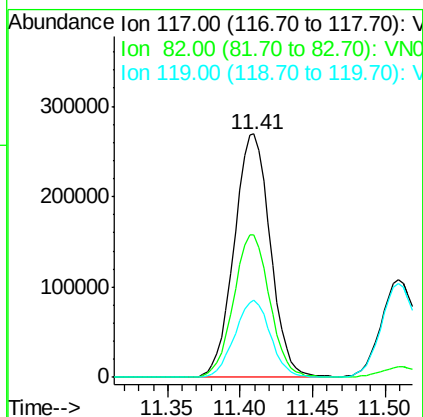
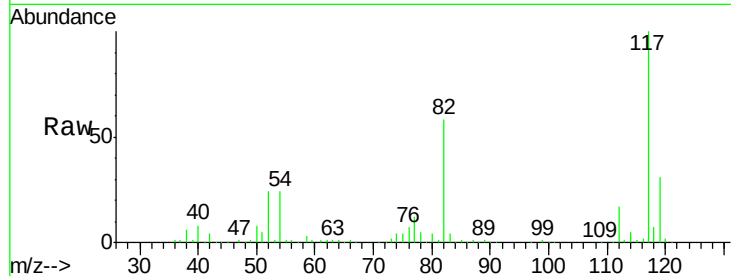
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN058338.D
Acq: 24 Sep 2019 10:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.4	46.4	69.6
119	31.3	25.1	37.7

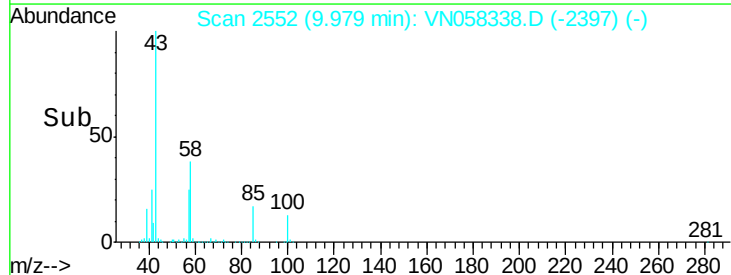
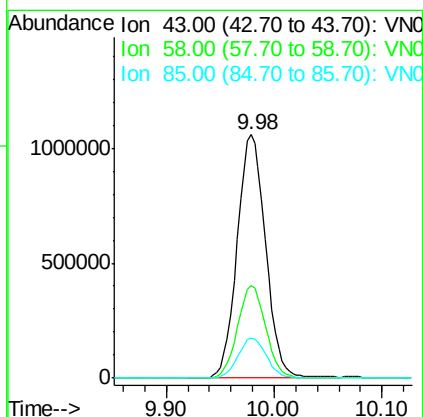
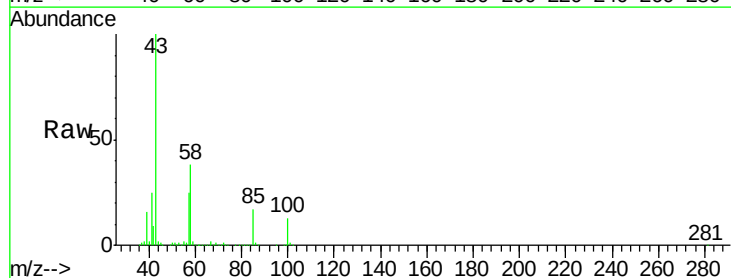
Manual Integrations
APPROVED

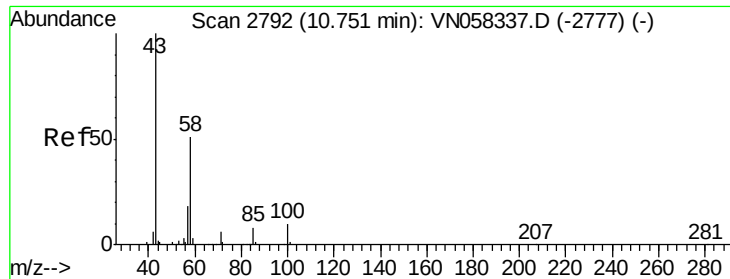
MMDadoda
9/25/2019 8:23:44 AM



#58
4-Methyl-2-Pentanone
Concen: 265.975 ug/l
RT: 9.98 min Scan# 2552
Delta R.T. -0.00 min
Lab File: VN058338.D
Acq: 24 Sep 2019 10:52

Tgt Ion	Ratio	Lower	Upper
43	100		
58	37.6	29.3	43.9
85	16.5	13.1	19.7





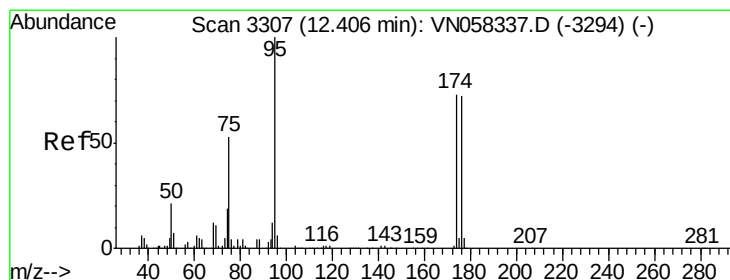
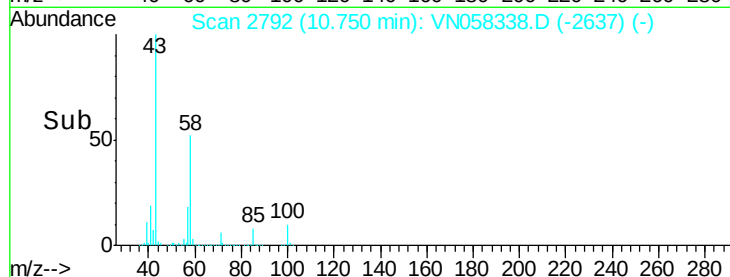
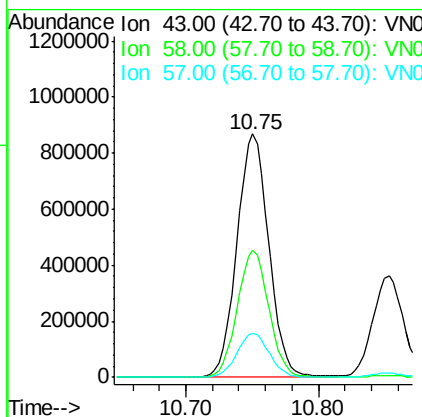
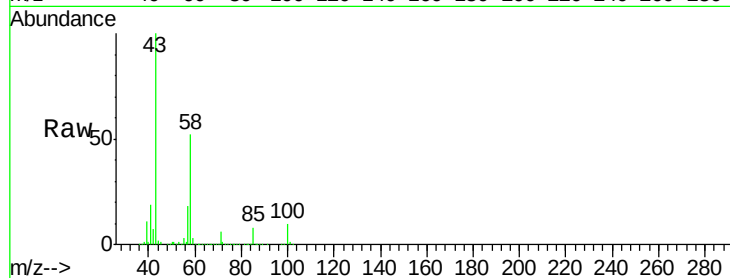
#59
2-Hexanone
Concen: 264.152 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN058338.D
Acq: 24 Sep 2019 10:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	51.8	40.7	61.1
57	18.2	14.7	22.1

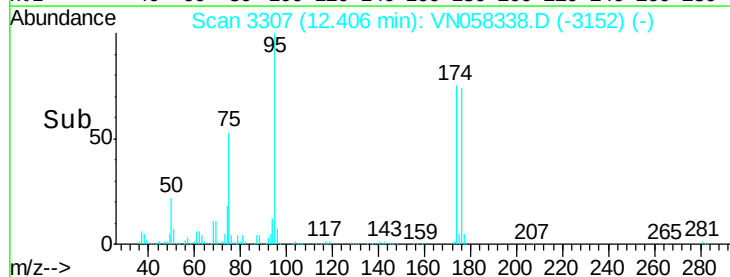
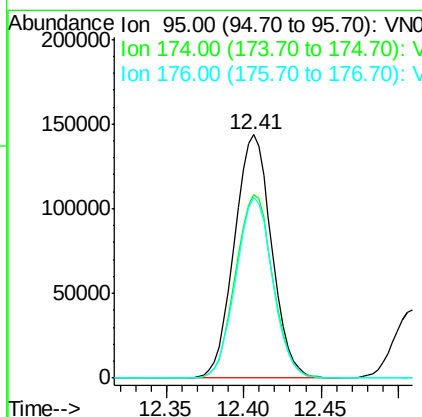
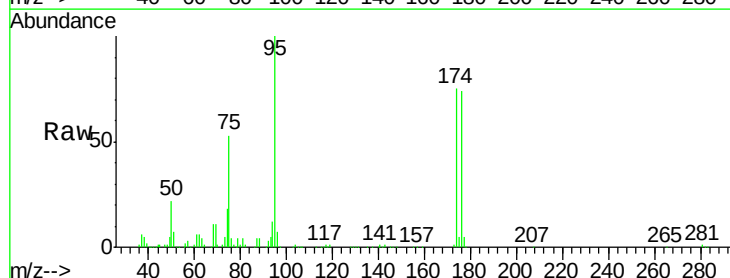
Manual Integrations
APPROVED

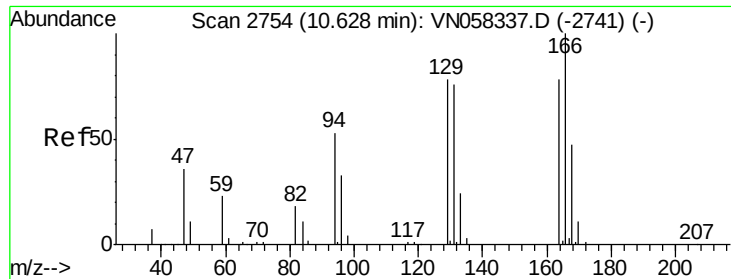
MMDadoda
9/25/2019 8:23:44 AM



#60
4-Bromofluorobenzene
Concen: 29.924 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. -0.00 min
Lab File: VN058338.D
Acq: 24 Sep 2019 10:52

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.4	59.0	88.6
176	73.5	58.2	87.2





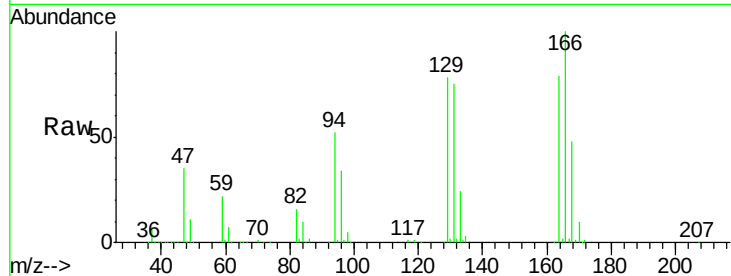
#61
Tetrachloroethene
Concen: 50.527 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN058338.D
Acq: 24 Sep 2019 10:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
164	100		
166	127.2	102.6	154.0
129	99.8	79.8	119.6
131	94.9	78.1	117.1

Manual Integrations
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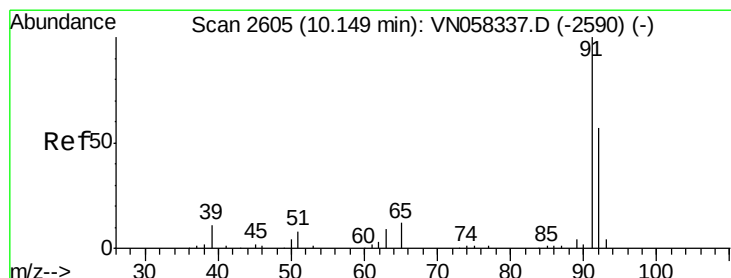
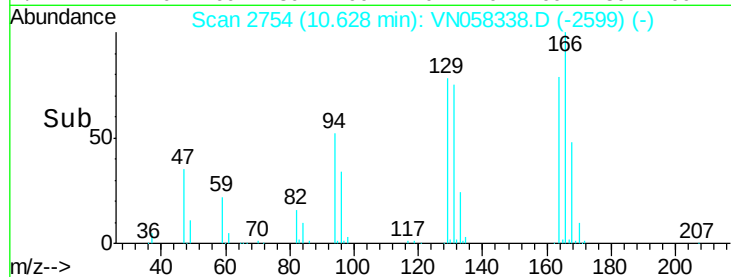
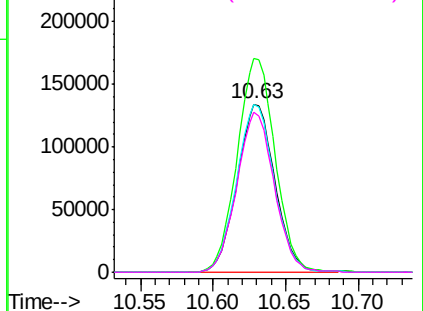
Abundance

Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

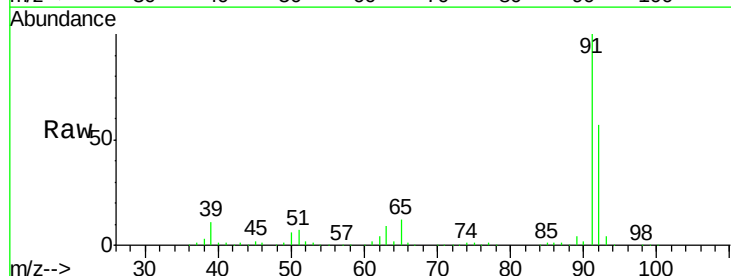
Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62
Toluene
Concen: 50.128 ug/l
RT: 10.15 min Scan# 2605
Delta R.T. -0.00 min
Lab File: VN058338.D
Acq: 24 Sep 2019 10:52

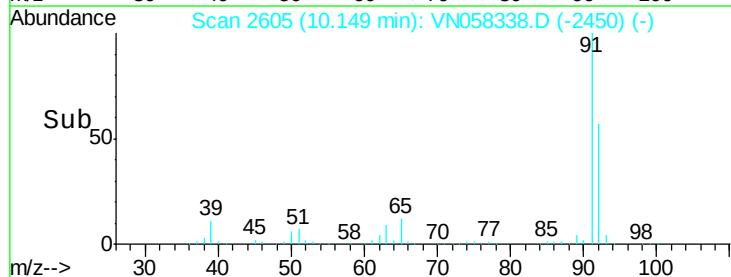
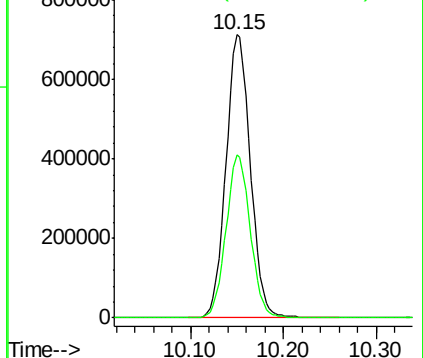
Tgt Ion	Ratio	Lower	Upper
91	100		
92	57.2	45.5	68.3

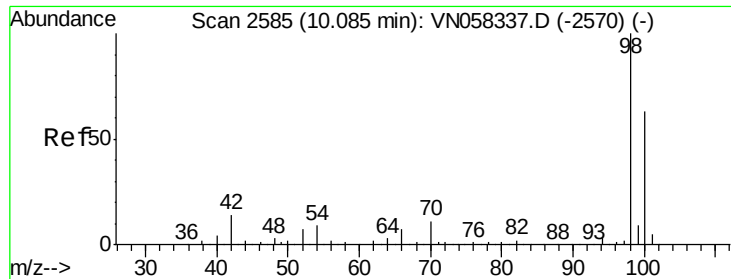


Abundance

Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





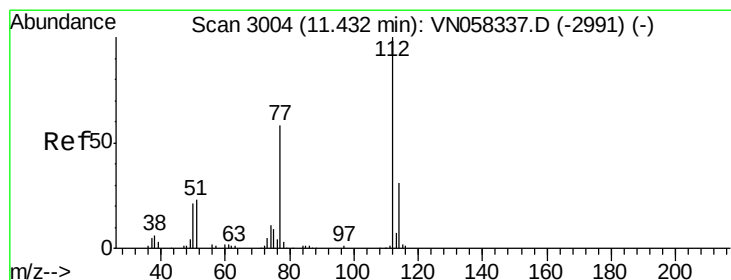
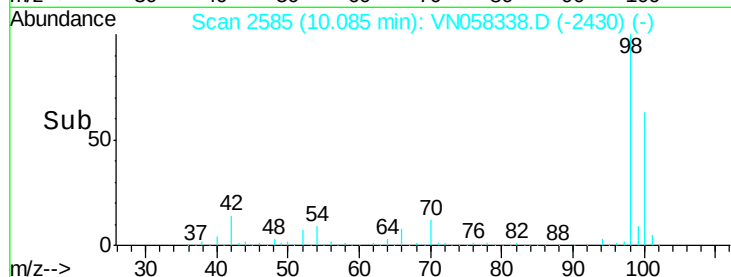
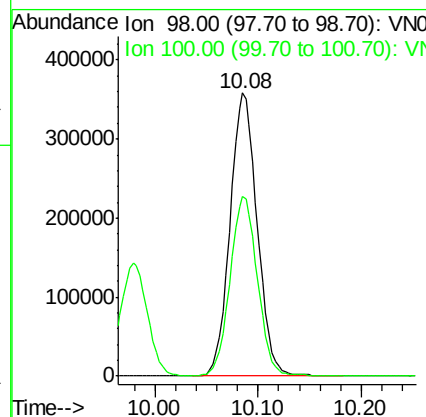
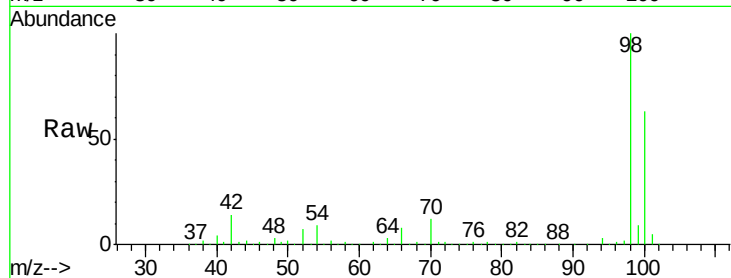
#63
Toluene-d8
Concen: 29.437 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. -0.00 min
Lab File: VN058338.D
Acq: 24 Sep 2019 10:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion: 98 Resp: 656673
Ion Ratio Lower Upper
98 100
100 64.0 50.2 75.2

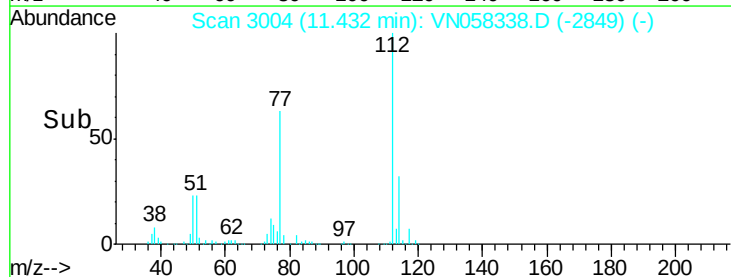
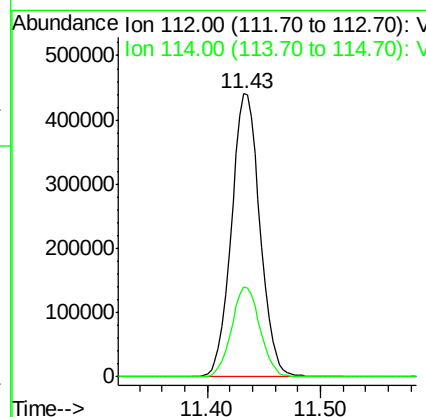
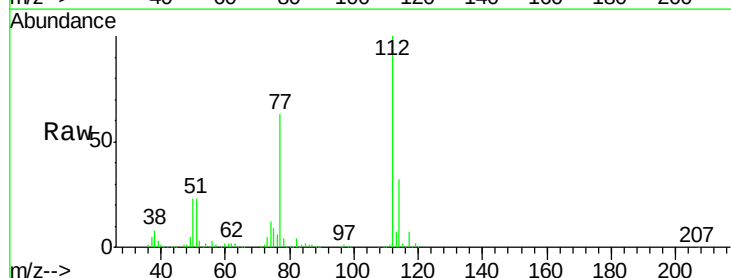
Manual Integrations
APPROVED

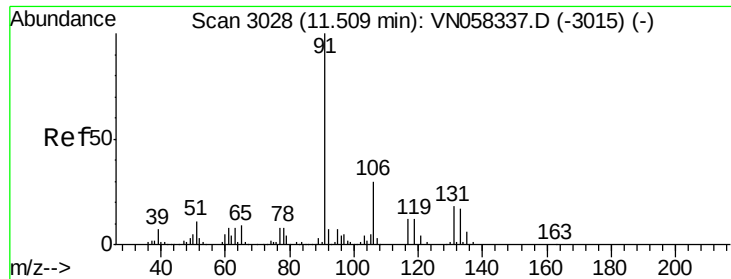
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#64
Chlorobenzene
Concen: 48.064 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN058338.D
Acq: 24 Sep 2019 10:52

Tgt Ion: 112 Resp: 773056
Ion Ratio Lower Upper
112 100
114 31.6 25.1 37.7





#65

1,1,1,2-Tetrachloroethane

Concen: 48.976 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN058338.D

Acq: 24 Sep 2019 10:52

Instrument :

MSVOA_N

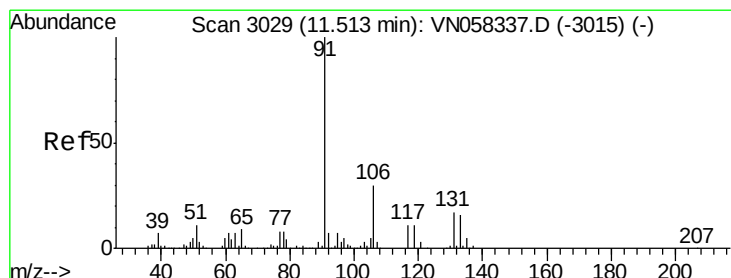
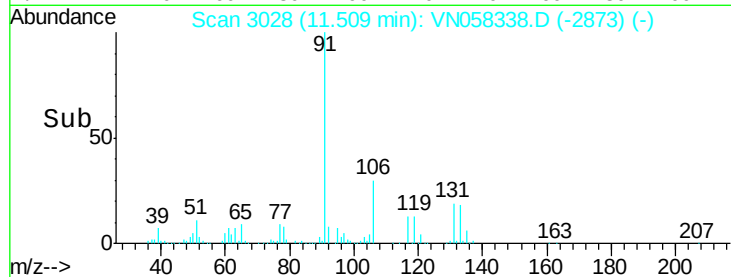
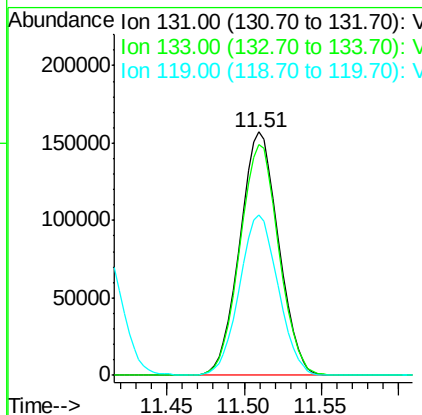
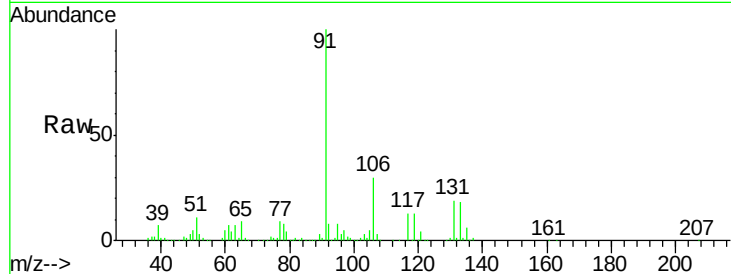
ClientSampleId :

VSTDIC050

Tot Ion:	131	Resp:	274289
Ion Ratio	Lower	Upper	
131	100		
133	95.6	0.0	191.8
119	65.5	0.0	134.2

Manual Integrations
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#66

Ethyl Benzene

Concen: 51.257 ug/l

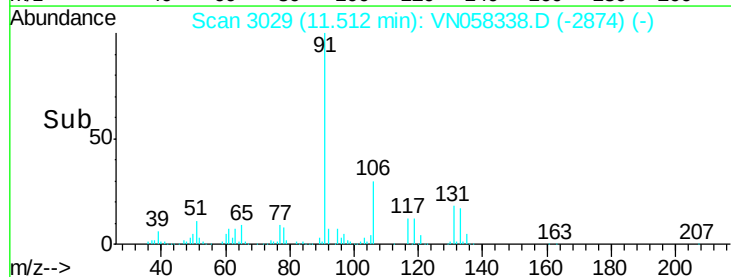
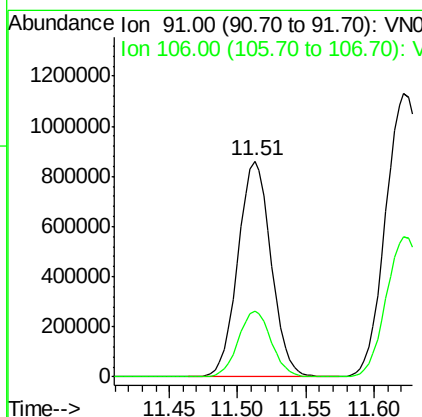
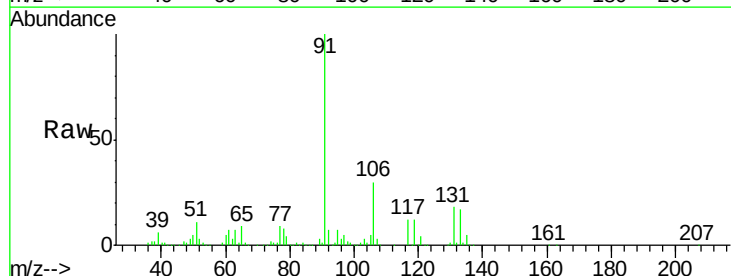
RT: 11.51 min Scan# 3029

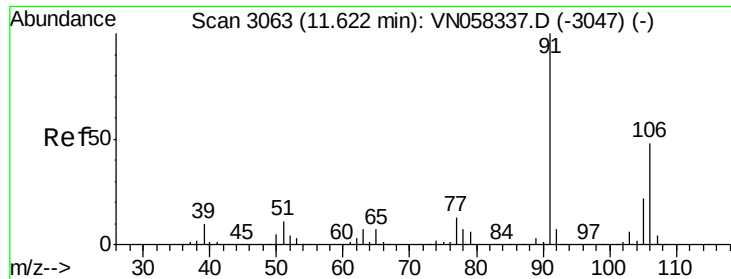
Delta R.T. -0.00 min

Lab File: VN058338.D

Acq: 24 Sep 2019 10:52

Tgt Ion:	91	Resp:	1455482
Ion Ratio	Lower	Upper	
91	100		
106	30.4	24.2	36.4





#67

m/p-Xylenes

Concen: 99.793 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. -0.00 min

Lab File: VN058338.D

Acq: 24 Sep 2019 10:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion:106 Resp: 1082456

Ion Ratio Lower Upper

106 100

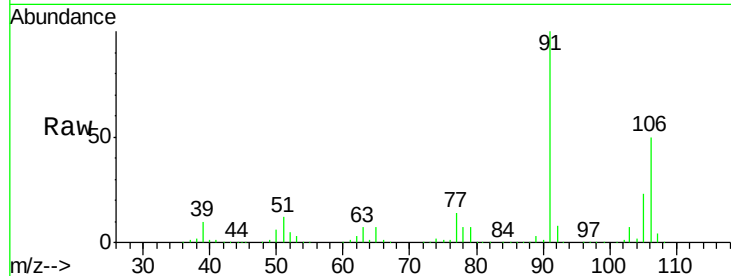
91 206.1 167.8 251.6

Manual Integrations

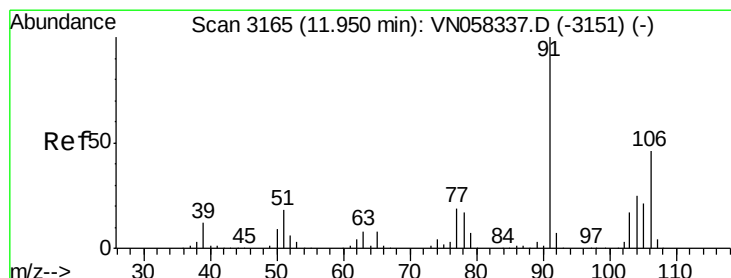
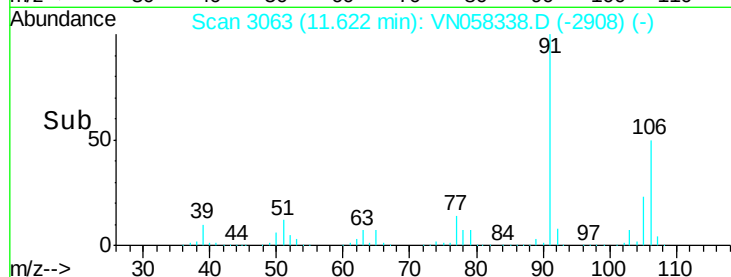
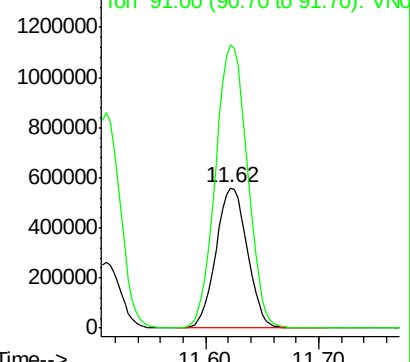
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Abundance Ion 106.00 (105.70 to 106.70): V



#68

o-Xylene

Concen: 48.441 ug/l

RT: 11.95 min Scan# 3165

Delta R.T. -0.00 min

Lab File: VN058338.D

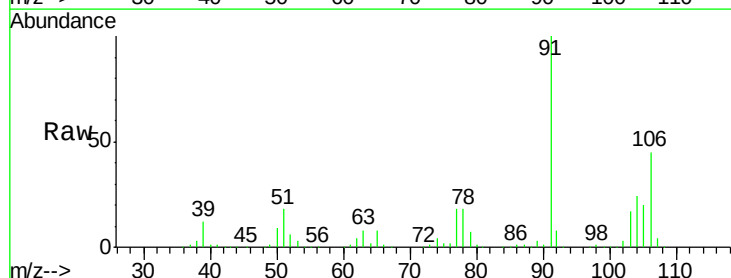
Acq: 24 Sep 2019 10:52

Tgt Ion:106 Resp: 515624

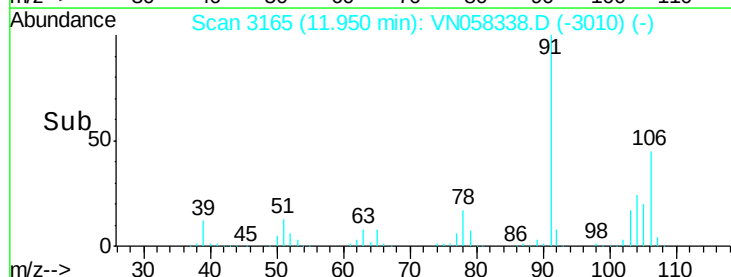
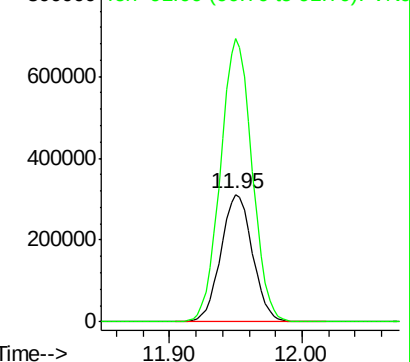
Ion Ratio Lower Upper

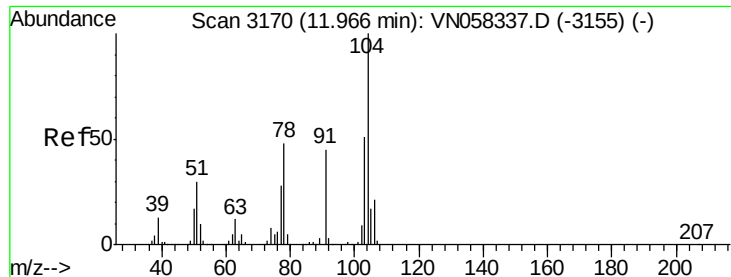
106 100

91 222.0 108.7 325.9



Abundance Ion 106.00 (105.70 to 106.70): V





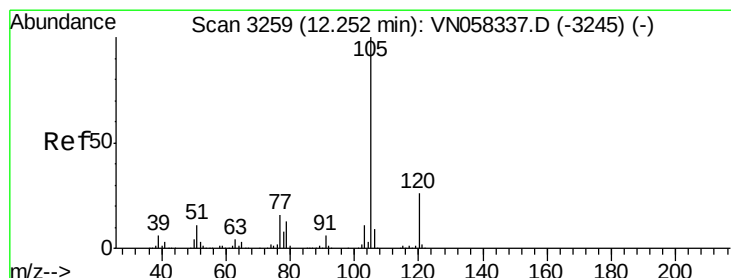
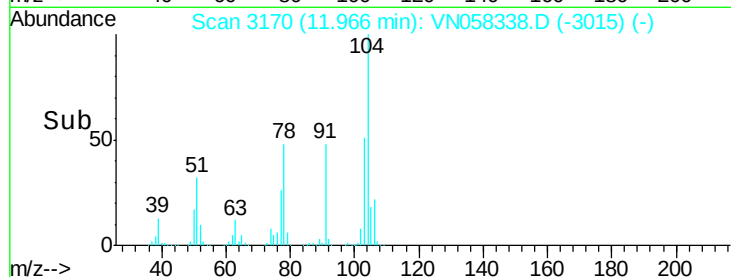
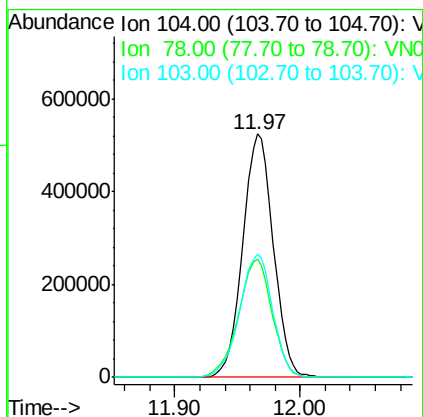
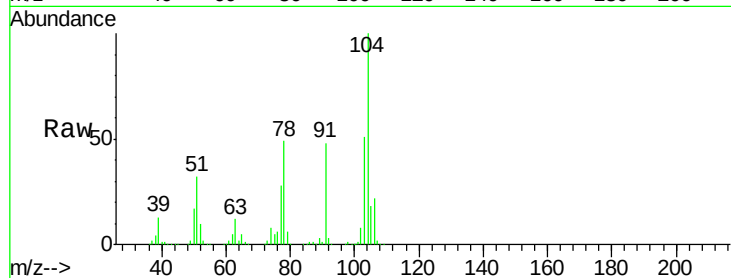
#69
Stvrene
Concen: 49.156 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. -0.00 min
Lab File: VN058338.D
Acq: 24 Sep 2019 10:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
104	100	886757		
78	53.6		42.3	63.5
103	54.8		44.1	66.1

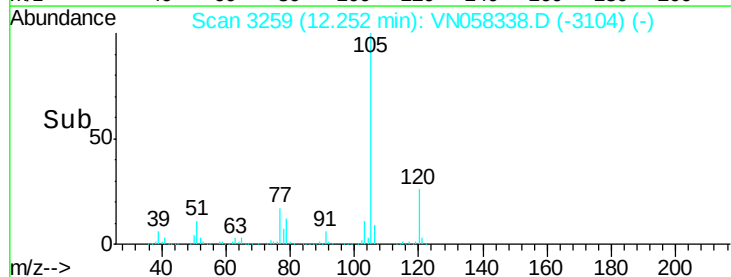
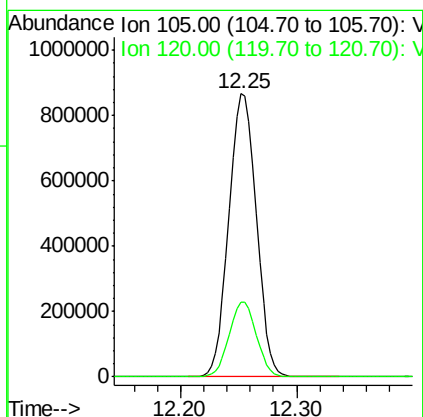
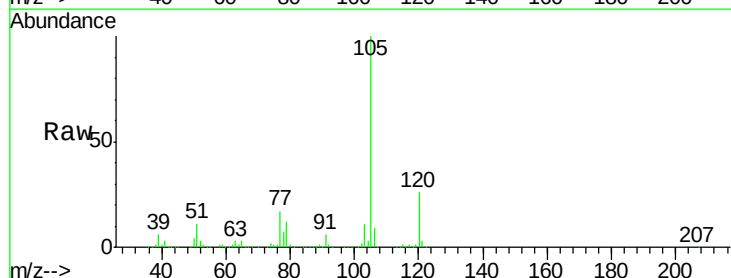
Manual Integrations
APPROVED

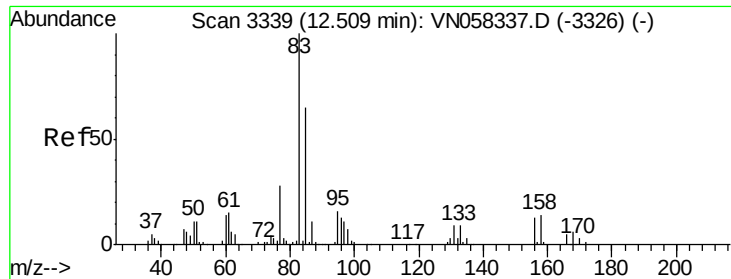
MMDadoda
9/25/2019 8:23:44 AM



#70
Isopropylbenzene
Concen: 50.791 ug/l
RT: 12.25 min Scan# 3259
Delta R.T. -0.00 min
Lab File: VN058338.D
Acq: 24 Sep 2019 10:52

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	1419403		
120	26.1		18.2	33.8





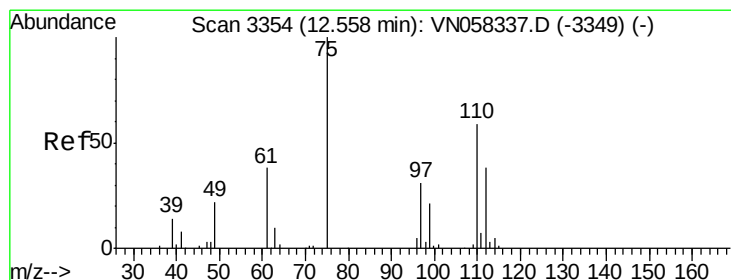
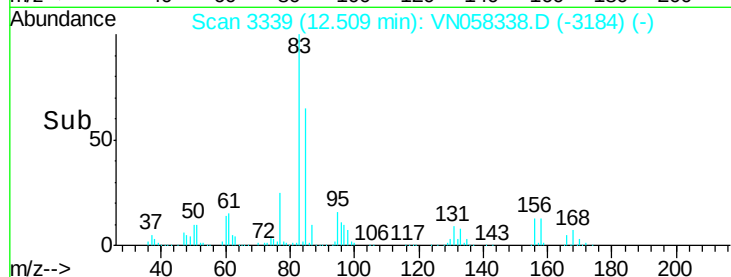
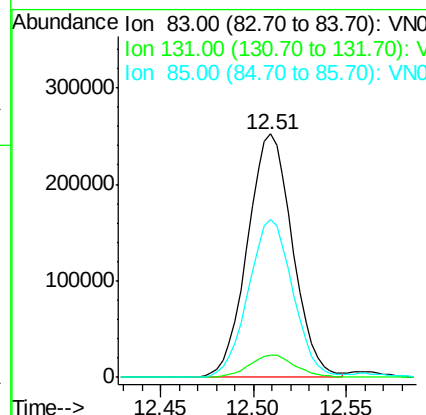
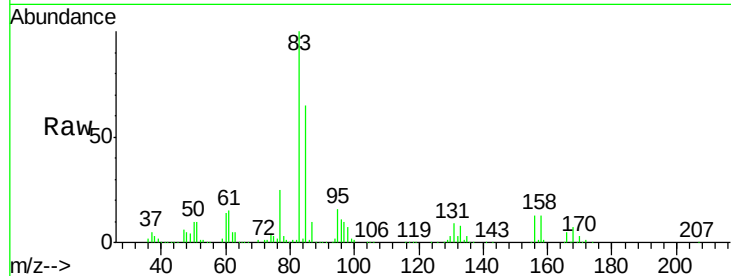
#71
 1,1,2,2-Tetrachloroethane
 Concen: 48.886 ug/l
 RT: 12.51 min Scan# 3339
 Delta R.T. -0.00 min
 Lab File: VN058338.D
 Acq: 24 Sep 2019 10:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	83	Resp	426866
Ion Ratio	100	Lower	Upper
83	100		
131	9.4	4.8	14.3
85	64.2	32.6	97.7

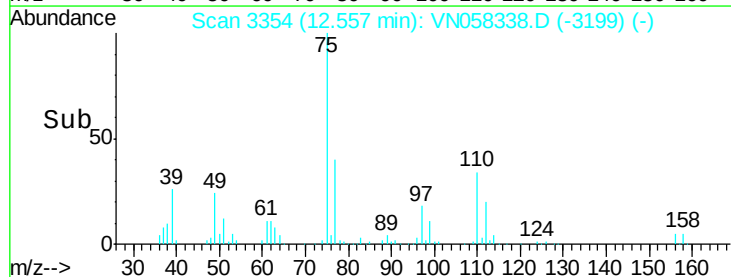
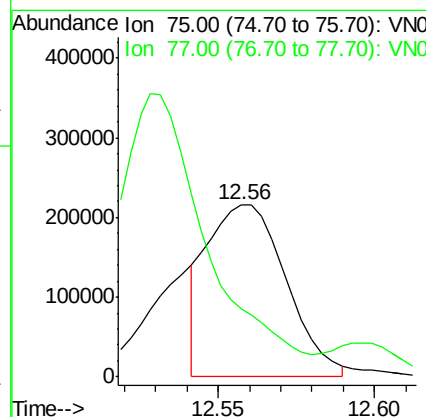
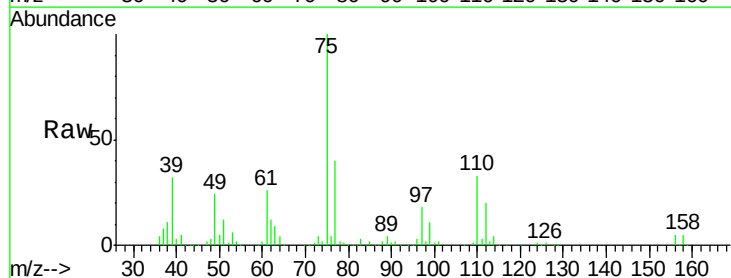
Manual Integrations
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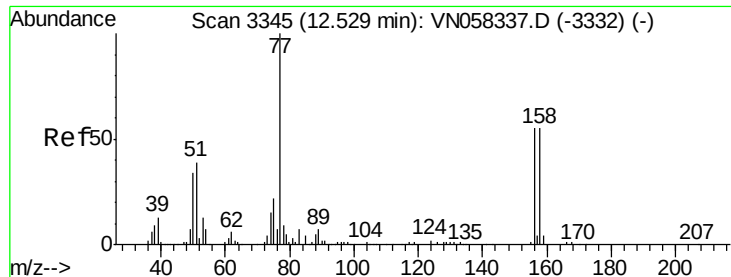
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 9/25/2019 8:23:44 AM



#72
 1,2,3-Trichloropropane
 Concen: 48.669 ug/l m
 RT: 12.56 min Scan# 3354
 Delta R.T. -0.00 min
 Lab File: VN058338.D
 Acq: 24 Sep 2019 10:52

Tgt Ion	75	Resp	377157
Ion Ratio	100	Lower	Upper
75	100		
77	191.9	0.0	382.4





#73

Bromobenzene

Concen: 47.841 ug/l

RT: 12.53 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN058338.D

Acq: 24 Sep 2019 10:52

Instrument :

MSVOA_N

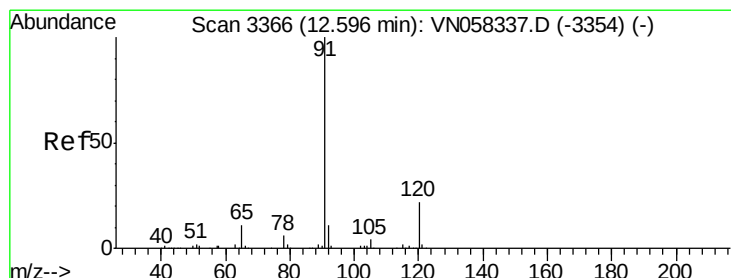
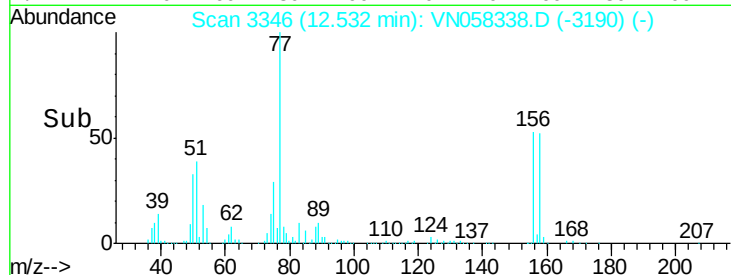
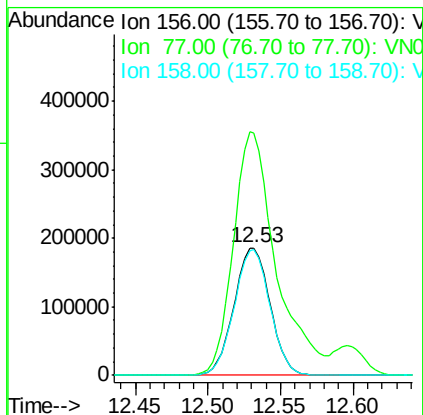
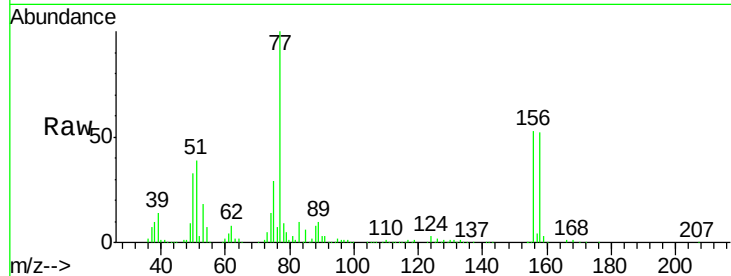
ClientSampled :

VSTDIC050

Tot Ion:	156	Resp:	322578
Ion Ratio	Lower	Upper	
156	100		
77	224.4	0.0	438.8
158	97.8	0.0	195.6

Manual Integrations
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#74

n-propylbenzene

Concen: 52.831 ug/l

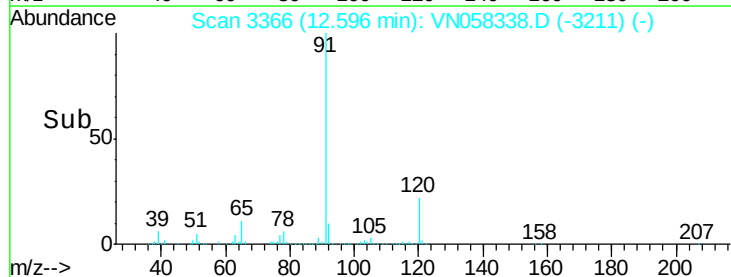
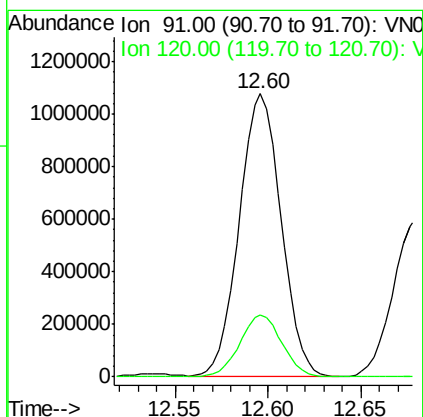
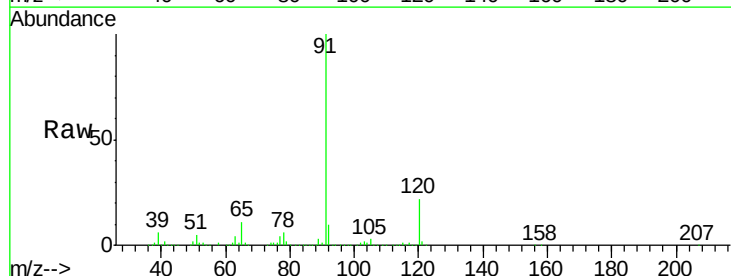
RT: 12.60 min Scan# 3366

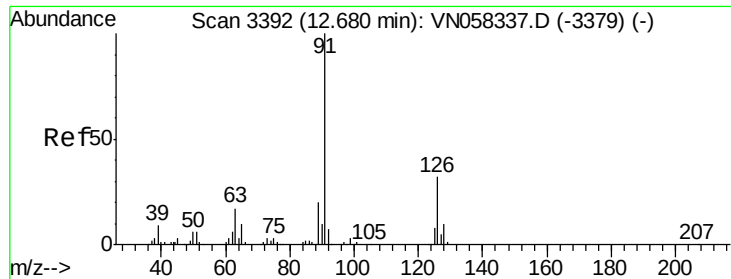
Delta R.T. -0.00 min

Lab File: VN058338.D

Acq: 24 Sep 2019 10:52

Tgt Ion:	91	Resp:	1690653
Ion Ratio	Lower	Upper	
91	100		
120	21.9	0.0	44.0





#75

2-Chlorotoluene

Concen: 49.064 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. -0.00 min

Lab File: VN058338.D

Acq: 24 Sep 2019 10:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion: 91 Resp: 979971

Ion Ratio Lower Upper

91 100

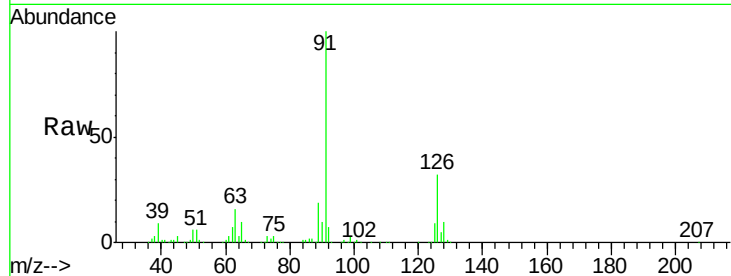
126 31.9 0.0 65.0

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN058338.D (-3392) (-)

Ion 126.00 (125.70 to 126.70): VN058338.D (-3392) (-)

1200000

800000

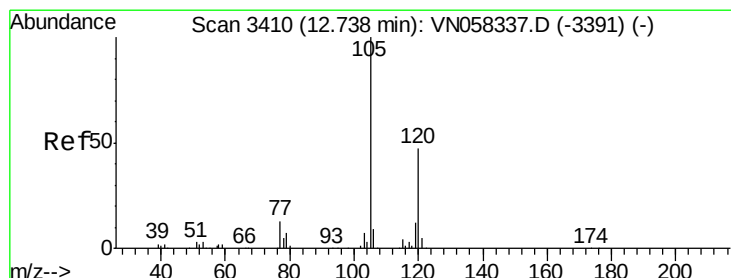
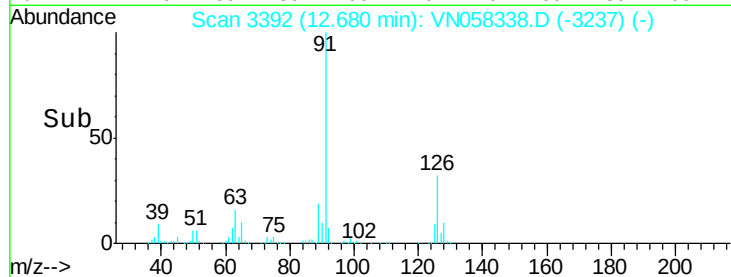
600000

400000

200000

0

Time--> 12.60 12.65 12.70



#76

1,3,5-Trimethylbenzene

Concen: 51.136 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN058338.D

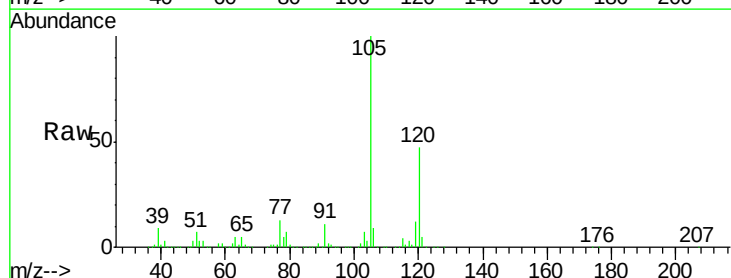
Acq: 24 Sep 2019 10:52

Tgt Ion:105 Resp: 1221383

Ion Ratio Lower Upper

105 100

120 47.2 0.0 94.4



Abundance Ion 105.00 (104.70 to 105.70): VN058338.D (-3410) (-)

Ion 120.00 (119.70 to 120.70): VN058338.D (-3410) (-)

800000

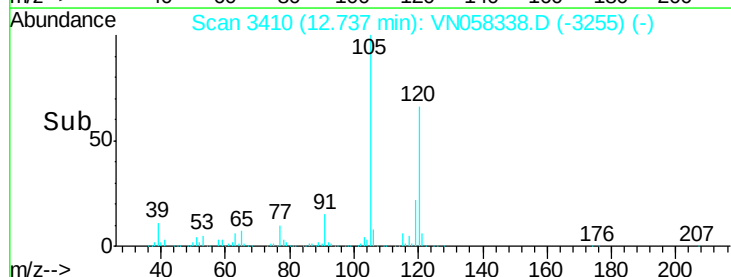
600000

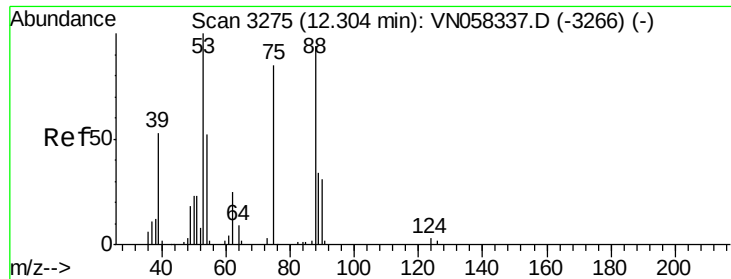
400000

200000

0

Time--> 12.70 12.80





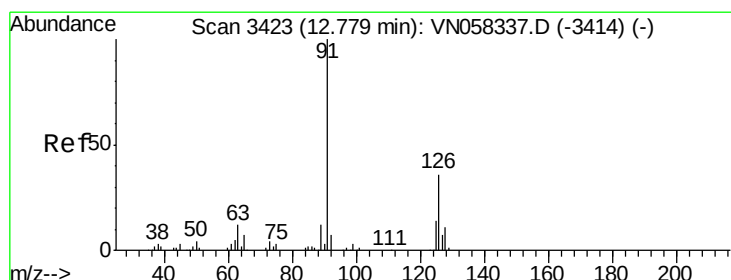
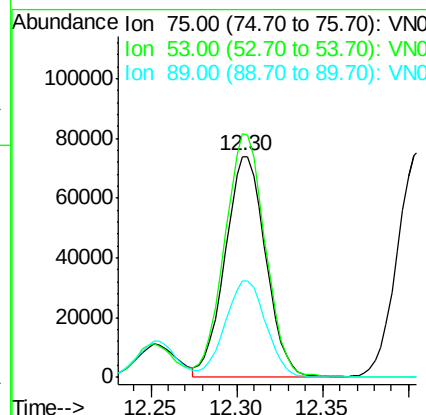
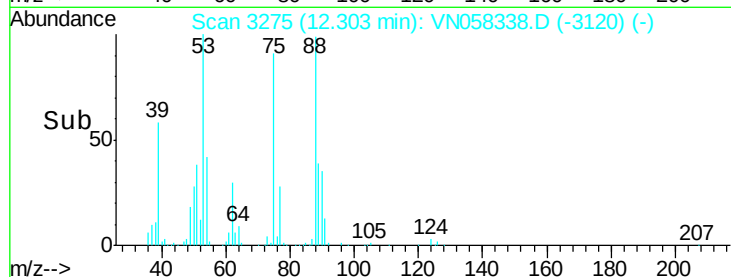
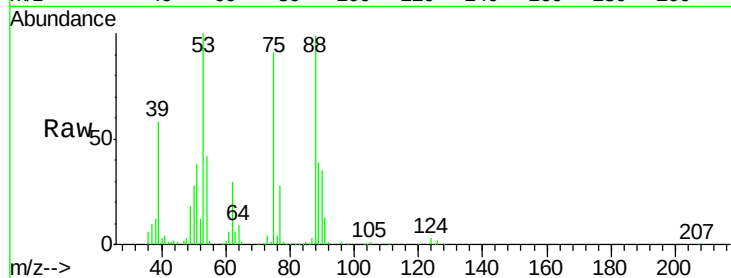
#77
t-1,4-Dichloro-2-butene
Concen: 51.997 ug/l
RT: 12.30 min Scan# 3275
Delta R.T. -0.00 min
Lab File: VN058338.D
Acq: 24 Sep 2019 10:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	110.1	59.0	176.8
89	43.6	21.6	65.0

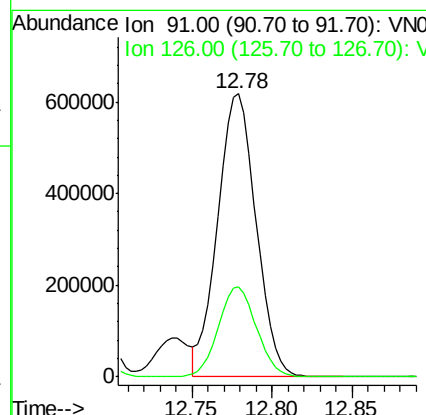
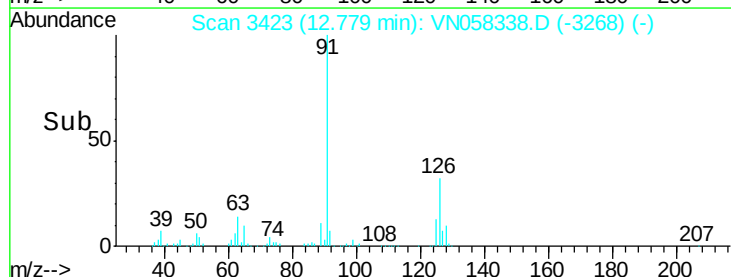
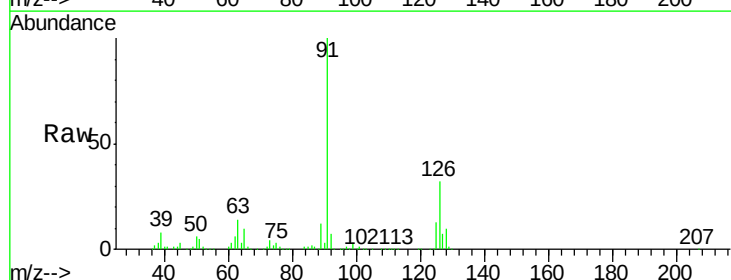
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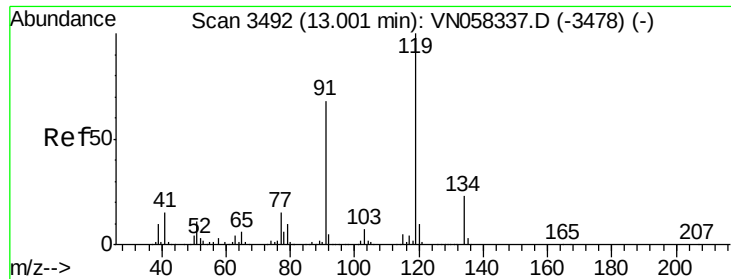
MMDadoda
9/25/2019 8:23:44 AM



#78
4-Chlorotoluene
Concen: 49.788 ug/l
RT: 12.78 min Scan# 3423
Delta R.T. -0.00 min
Lab File: VN058338.D
Acq: 24 Sep 2019 10:52

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.6	0.0	63.8





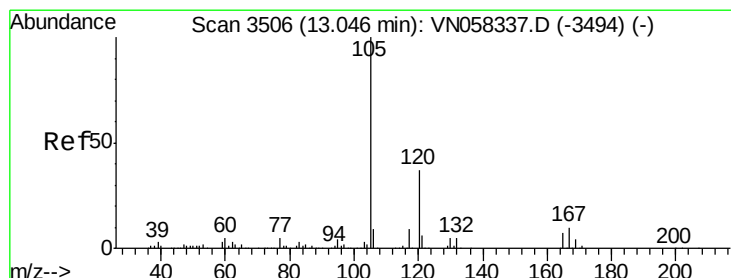
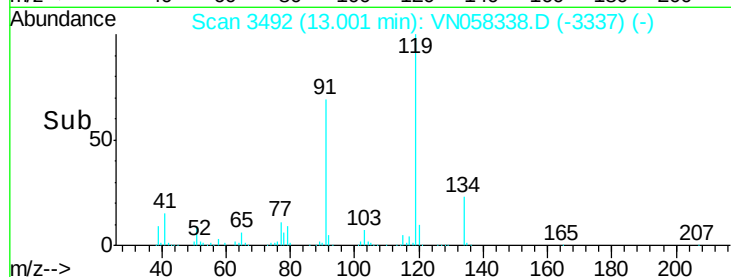
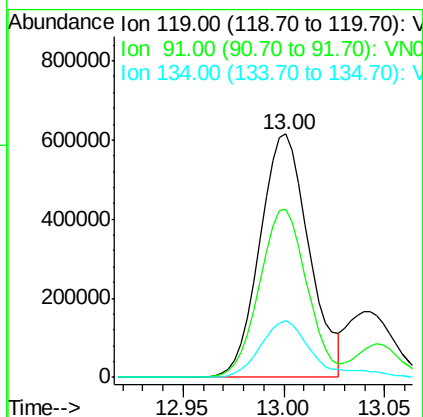
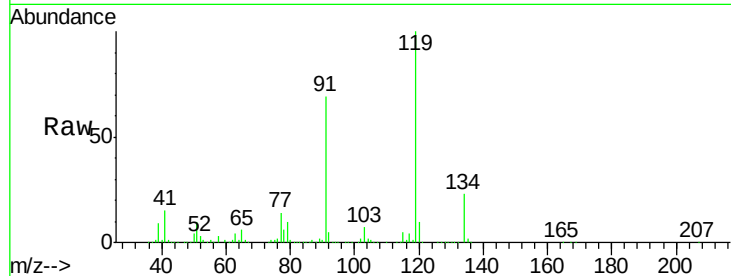
#79
tert-butylbenzene
Concen: 50.440 ug/l
RT: 13.00 min Scan# 3492
Delta R.T. -0.00 min
Lab File: VN058338.D
Acq: 24 Sep 2019 10:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion:119 Resp: 1043964
Ion Ratio Lower Upper
119 100
91 66.7 0.0 138.2
134 24.9 0.0 46.8

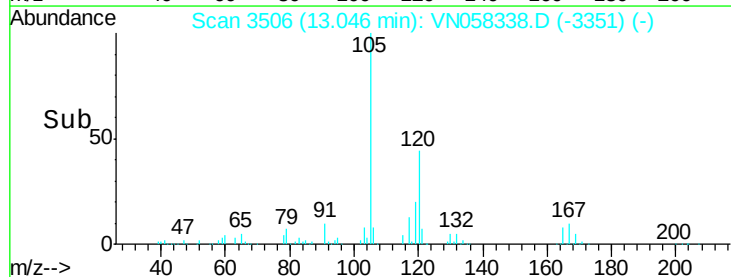
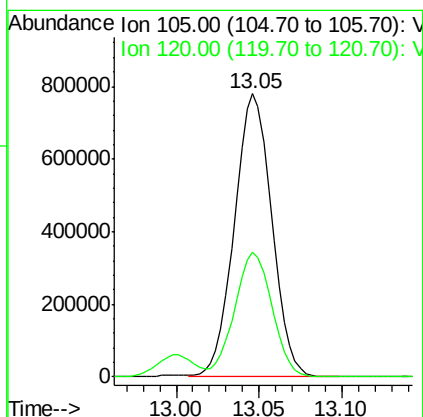
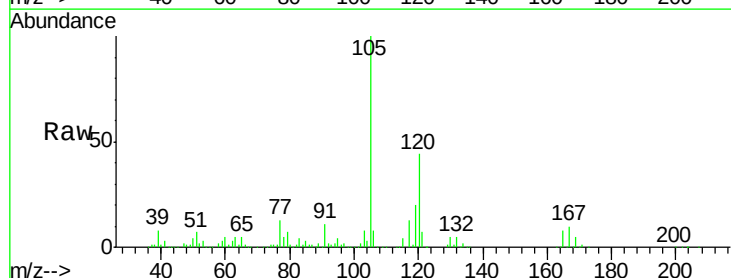
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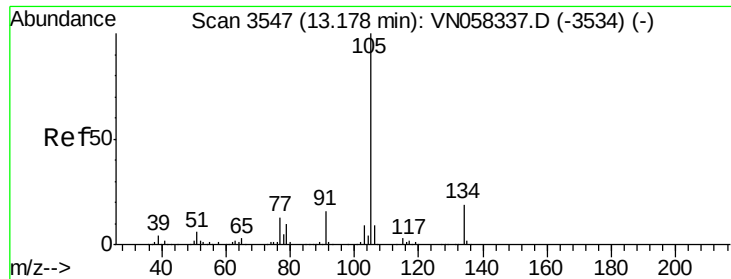
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#80
1,2,4-Trimethylbenzene
Concen: 51.281 ug/l
RT: 13.05 min Scan# 3506
Delta R.T. -0.00 min
Lab File: VN058338.D
Acq: 24 Sep 2019 10:52

Tgt Ion:105 Resp: 1223105
Ion Ratio Lower Upper
105 100
120 44.2 0.0 86.6





#81

sec-Butylbenzene

Concen: 50.815 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN058338.D

Acq: 24 Sep 2019 10:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion:105 Resp: 1406060

Ion Ratio Lower Upper

105 100

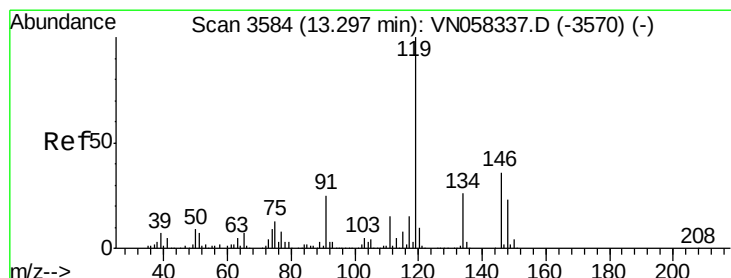
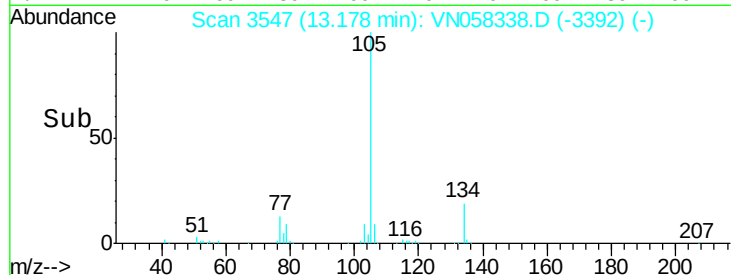
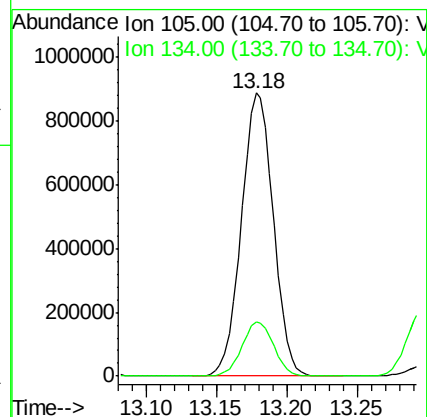
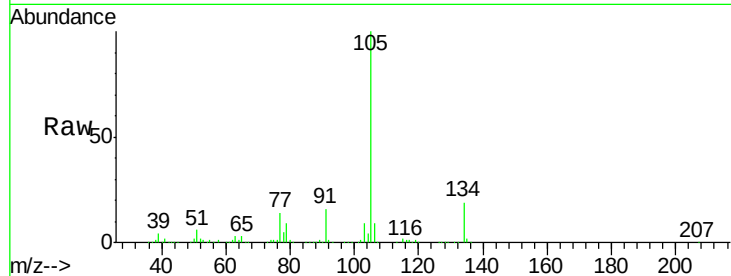
134 19.1 0.0 38.2

Manual Integrations

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#82

p-Isopropyltoluene

Concen: 51.337 ug/l

RT: 13.30 min Scan# 3584

Delta R.T. -0.00 min

Lab File: VN058338.D

Acq: 24 Sep 2019 10:52

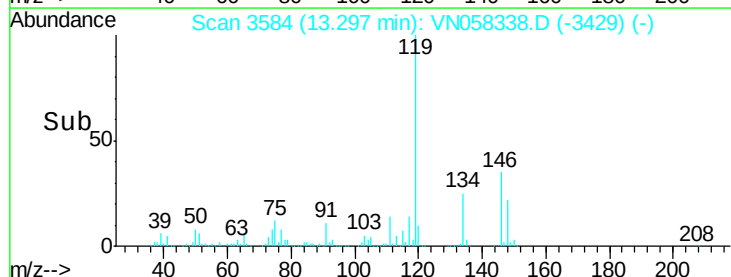
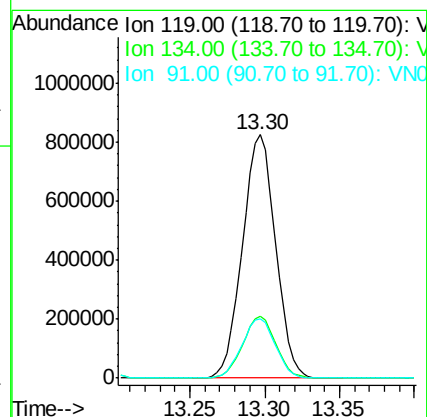
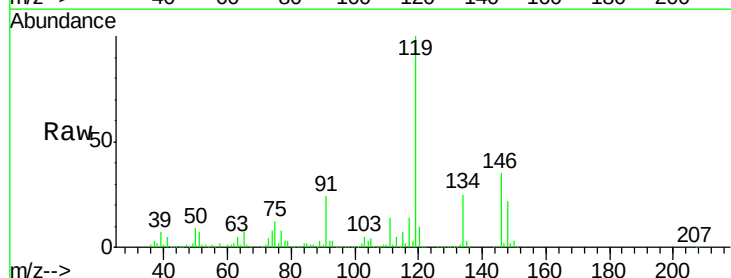
Tgt Ion:119 Resp: 1266786

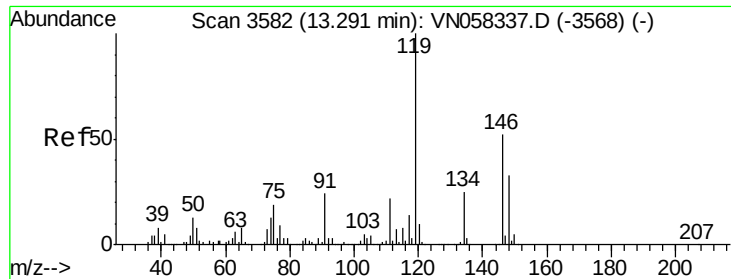
Ion Ratio Lower Upper

119 100

134 25.4 0.0 51.6

91 24.8 0.0 49.6





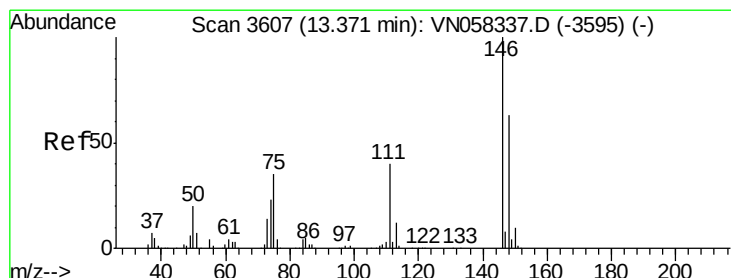
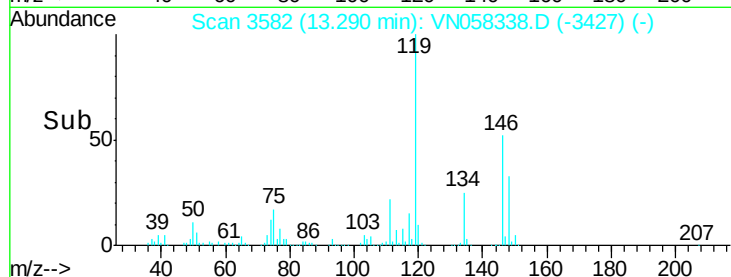
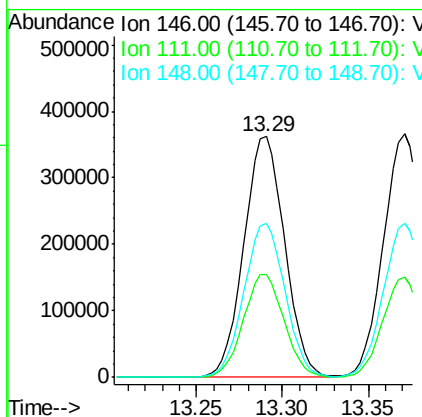
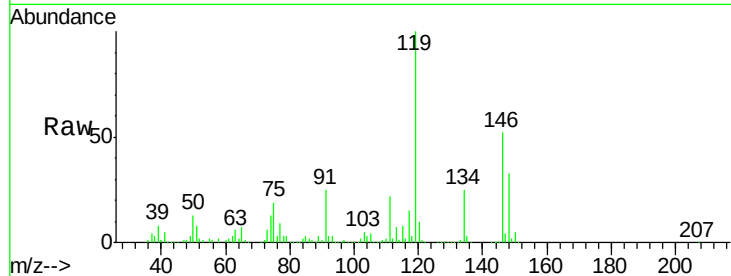
#83
 1,3-Dichlorobenzene
 Concen: 47.856 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN058338.D
 Acq: 24 Sep 2019 10:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100			
111	42.5	20.9	62.8	
148	64.3	32.0	96.2	

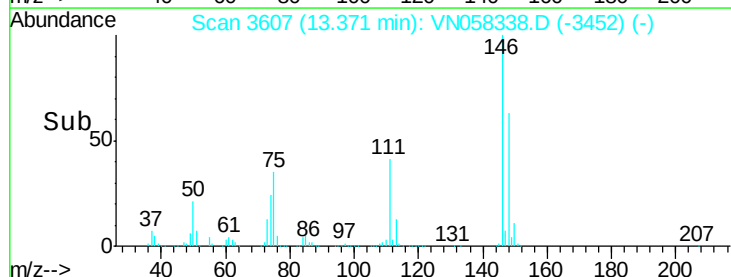
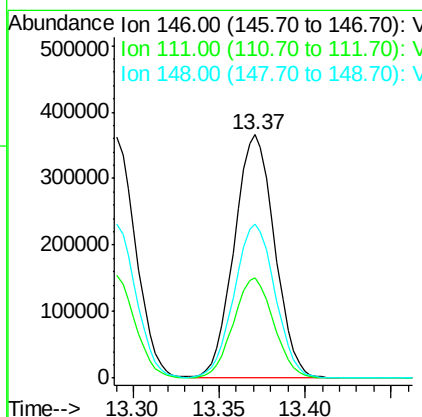
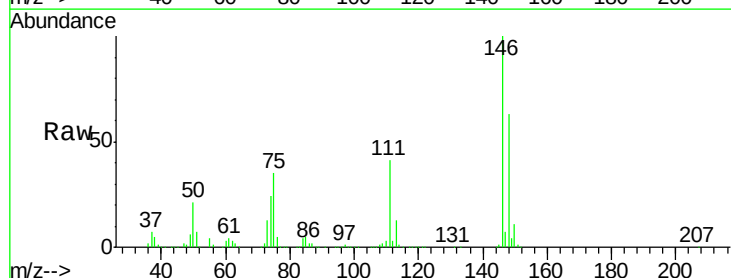
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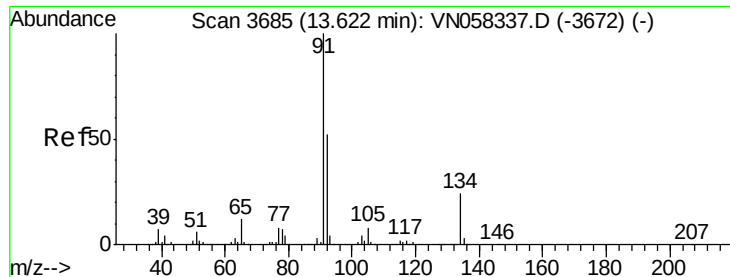
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#84
 1,4-Dichlorobenzene
 Concen: 48.403 ug/l
 RT: 13.37 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VN058338.D
 Acq: 24 Sep 2019 10:52

Tgt Ion	Ratio	Resp	Lower	Upper
146	100			
111	41.1	20.4	61.3	
148	64.6	31.9	95.7	





#85

n-Butylbenzene

Concen: 51.523 ug/l

RT: 13.62 min Scan# 3685

Delta R.T. -0.00 min

Lab File: VN058338.D

Acq: 24 Sep 2019 10:52

Instrument :

MSVOA_N

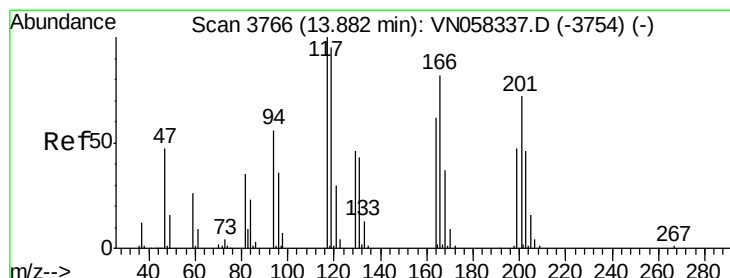
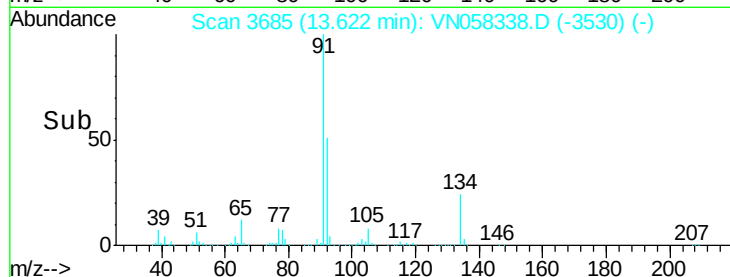
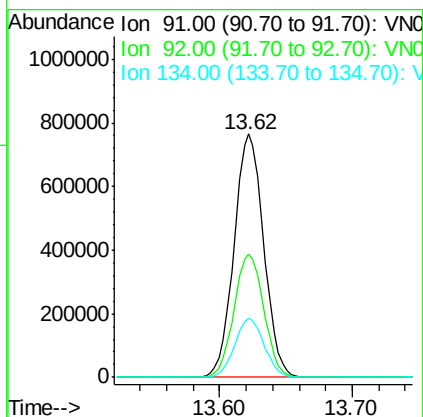
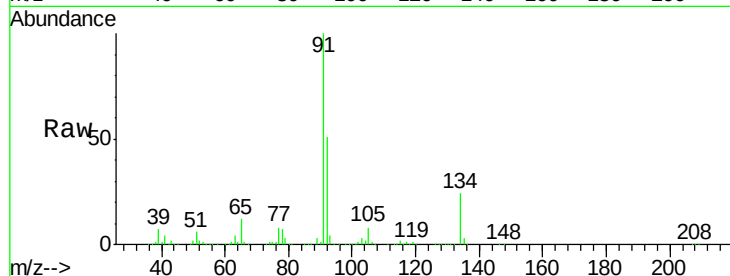
ClientSampled :

VSTDIC050

Tot Ion:	91	Resp:	1181721
Ion	Ratio	Lower	Upper
91	100		
92	50.9	0.0	102.6
134	24.2	0.0	47.8

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#86

Hexachloroethane

Concen: 48.830 ug/l

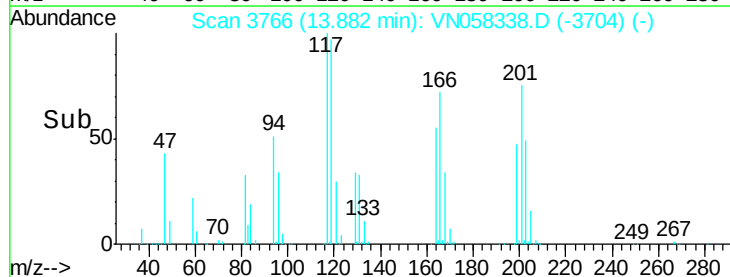
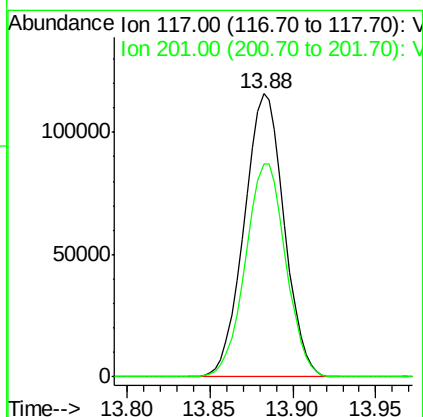
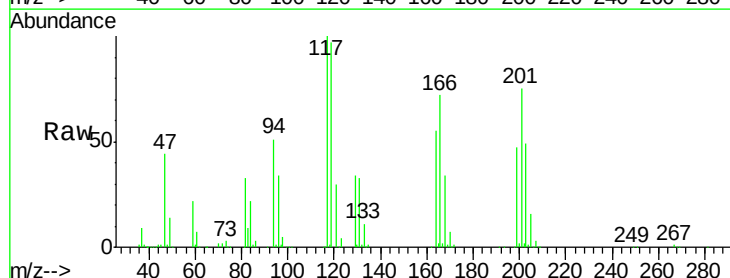
RT: 13.88 min Scan# 3766

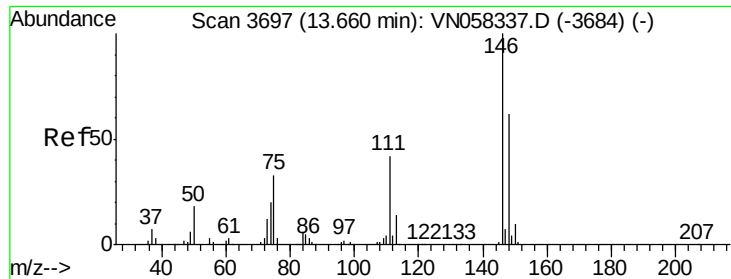
Delta R.T. -0.00 min

Lab File: VN058338.D

Acq: 24 Sep 2019 10:52

Tgt Ion:	117	Resp:	193879
Ion	Ratio	Lower	Upper
117	100		
201	75.9	37.2	111.6





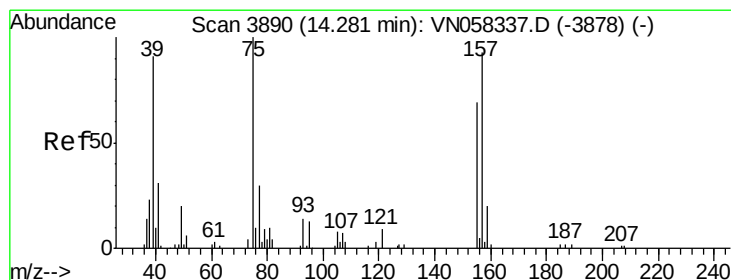
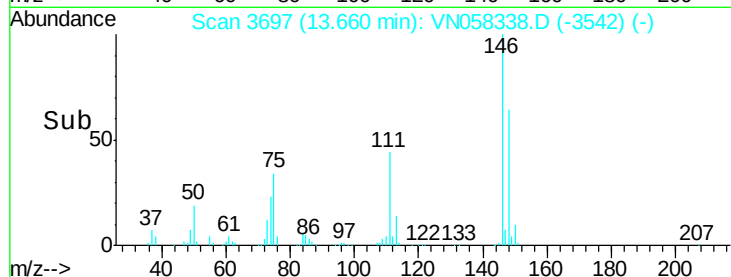
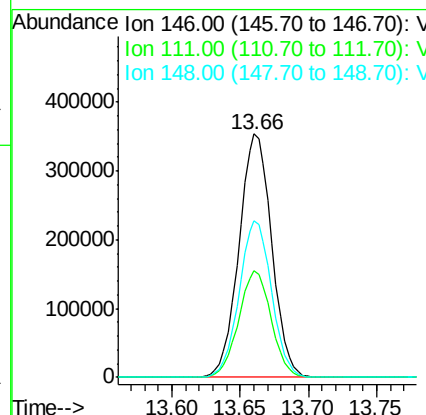
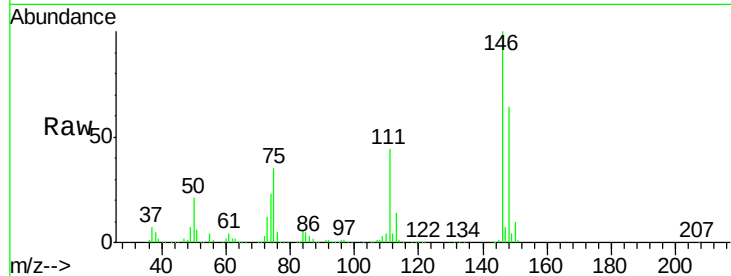
#87
 1,2-Dichlorobenzene
 Concen: 48.387 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. -0.00 min
 Lab File: VN058338.D
 Acq: 24 Sep 2019 10:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.6	21.1	63.3
148	63.7	31.9	95.7

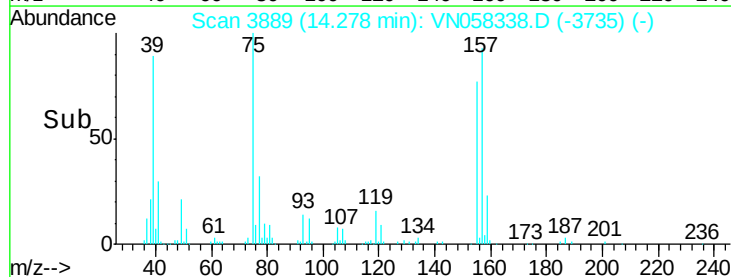
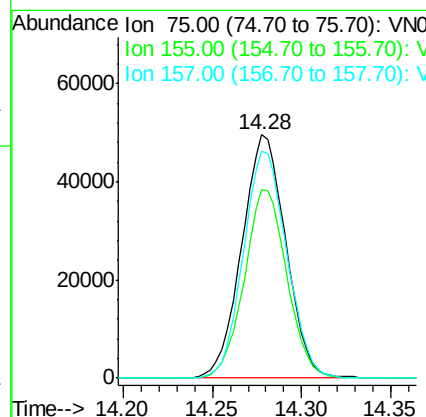
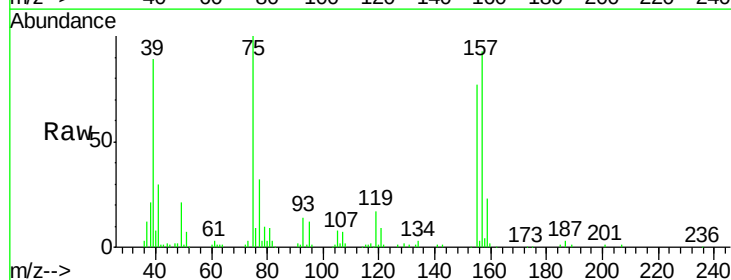
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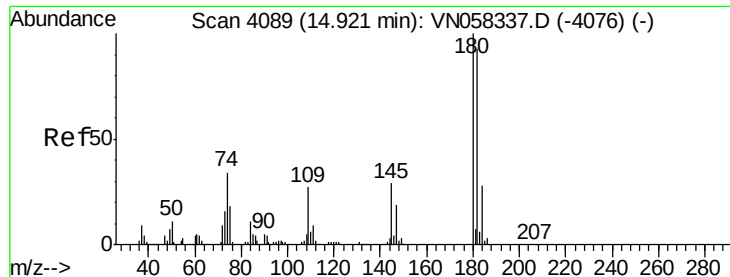
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 54.420 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. -0.00 min
 Lab File: VN058338.D
 Acq: 24 Sep 2019 10:52

Tgt Ion	Ratio	Lower	Upper
75	100		
155	75.1	58.5	87.7
157	92.3	75.4	113.2





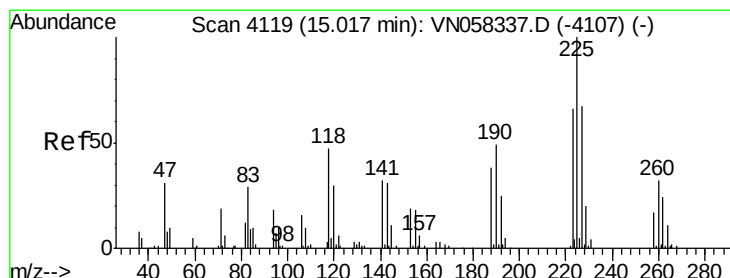
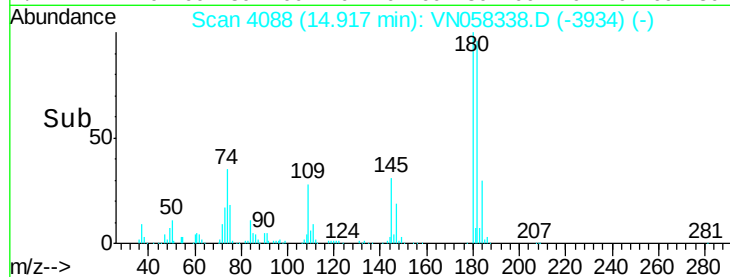
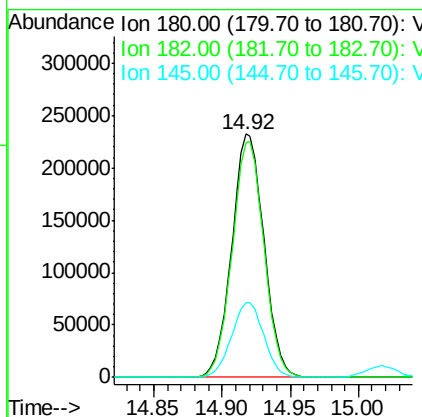
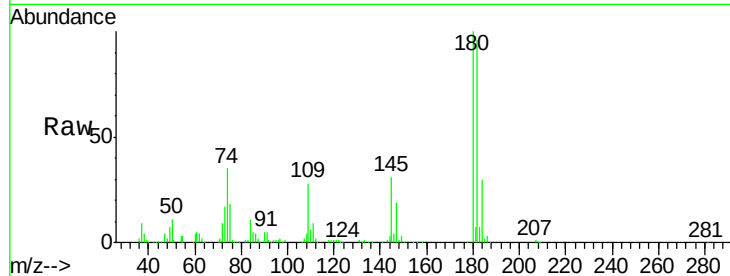
#89
 1,2,4-Trichlorobenzene
 Concen: 50.886 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. -0.00 min
 Lab File: VN058338.D
 Acq: 24 Sep 2019 10:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion:	180	Resp:	378948
Ion Ratio	Lower	Upper	
180	100		
182	95.8	75.2	112.8
145	30.8	25.1	37.7

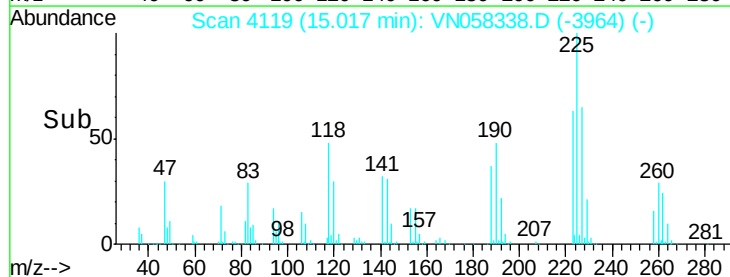
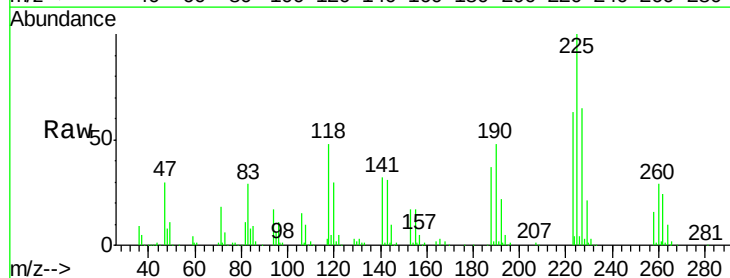
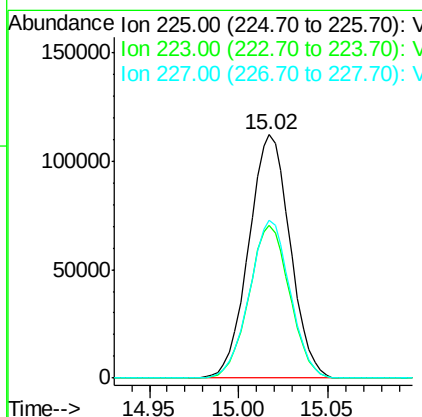
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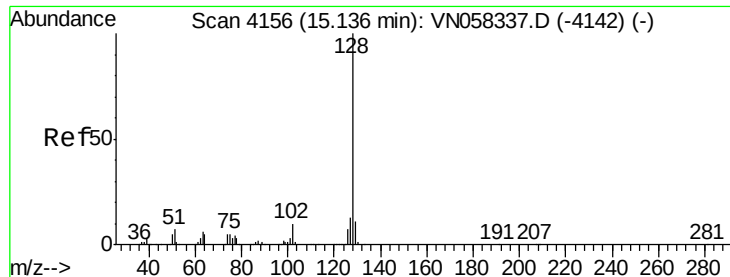
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#90
 Hexachlorobutadiene
 Concen: 52.710 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. -0.00 min
 Lab File: VN058338.D
 Acq: 24 Sep 2019 10:52

Tgt Ion:	225	Resp:	181427
Ion Ratio	Lower	Upper	
225	100		
223	62.0	0.0	132.6
227	63.9	0.0	129.2





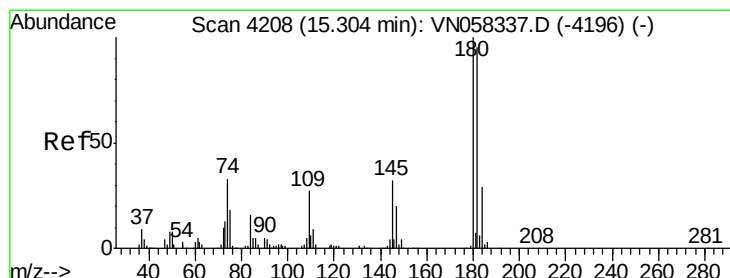
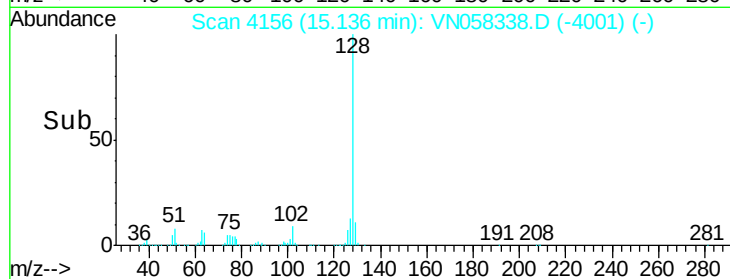
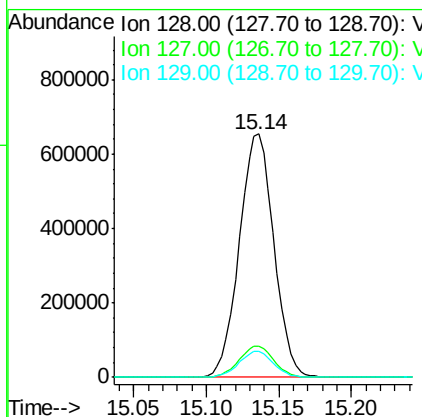
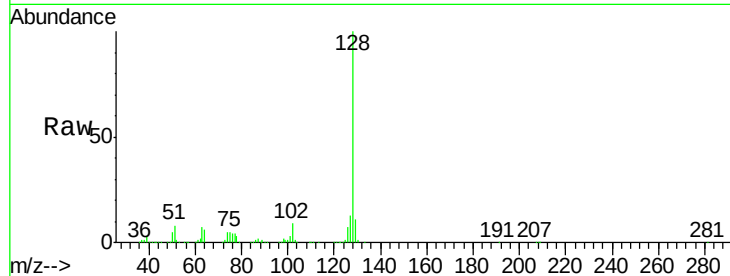
#91
Naphthalene
Concen: 53.158 ug/l
RT: 15.14 min Scan# 4156
Delta R.T. -0.00 min
Lab File: VN058338.D
Acq: 24 Sep 2019 10:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.4
129	10.7	8.6	13.0

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#92
1,2,3-Trichlorobenzene
Concen: 51.773 ug/l
RT: 15.30 min Scan# 4208
Delta R.T. -0.00 min
Lab File: VN058338.D
Acq: 24 Sep 2019 10:52

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.5	0.0	189.4
145	32.0	0.0	64.0

