

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101419\
 Data File : VN058744.D
 Acq On : 14 Oct 2019 12:45
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 10/16/2019 12:56:46 AM

Quant Time: Oct 15 03:28:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 12 00:00:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	438349	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	697588	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	649606	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	326553	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	314852	51.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.62%	
35) Dibromofluoromethane	7.57	113	230664	53.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.06%	
50) Toluene-d8	10.08	98	898005	52.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.24%	
62) 4-Bromofluorobenzene	12.41	95	336430	51.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	284338	52.082	ug/l	99
3) Chloromethane	2.04	50	315025	48.526	ug/l	98
4) Vinyl Chloride	2.17	62	305181	47.200	ug/l	100
5) Bromomethane	2.54	94	187715	47.724	ug/l	99
6) Chloroethane	2.68	64	193799	48.593	ug/l	98
7) Trichlorofluoromethane	3.00	101	382042	49.371	ug/l	98
8) Diethyl Ether	3.39	74	139297	48.721	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.73	101	222990	50.540	ug/l	97
10) Methyl Iodide	3.93	142	293834	48.802	ug/l	99
11) Tert butyl alcohol	4.76	59	236656	238.116	ug/l	100
12) 1,1-Dichloroethene	3.71	96	208886	49.620	ug/l	97
13) Acrolein	3.58	56	168619	210.953	ug/l	97
14) Allyl chloride	4.30	41	419875	49.423	ug/l	99
15) Acrylonitrile	4.95	53	622405	248.329	ug/l	100
16) Acetone	3.79	43	666030	262.154	ug/l	99
17) Carbon Disulfide	4.03	76	662250	49.214	ug/l	100
18) Methyl Acetate	4.30	43	310072	48.114	ug/l	98
19) Methyl tert-butyl Ether	5.01	73	758720	50.473	ug/l	97
20) Methylene Chloride	4.52	84	249953	47.074	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	235900	50.097	ug/l	97
22) Diisopropyl ether	5.92	45	841135	50.922	ug/l	99
23) Vinyl Acetate	5.87	43	3589660	269.323	ug/l	100
24) 1,1-Dichloroethane	5.82	63	474947	50.486	ug/l	99
25) 2-Butanone	6.81	43	912143	248.393	ug/l	100
26) 2,2-Dichloropropane	6.80	77	417634	48.632	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	267788	48.767	ug/l	99
28) Bromochloromethane	7.17	49	168492	51.482	ug/l	96
29) Tetrahydrofuran	7.19	42	580763	244.730	ug/l	100
30) Chloroform	7.35	83	469437	49.666	ug/l	100
31) Cyclohexane	7.63	56	428523	47.607	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	413041	51.241	ug/l	100
36) 1,1-Dichloropropene	7.77	75	356657	50.567	ug/l	100
37) Ethyl Acetate	6.91	43	363928	51.020	ug/l	99
38) Carbon Tetrachloride	7.75	117	358648	52.175	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	415294	50.743	ug/l	97
40) Benzene	8.02	78	1035949	51.142	ug/l	100
41) Methacrylonitrile	7.16	41	194482m	58.245	ug/l	
42) 1,2-Dichloroethane	8.11	62	397421	51.068	ug/l	99
43) Isopropyl Acetate	8.15	43	600075	49.383	ug/l	100
44) Trichloroethene	8.82	130	251405	49.978	ug/l	99
45) 1,2-Dichloropropane	9.11	63	280890	51.799	ug/l	98
46) Dibromomethane	9.20	93	177376	51.592	ug/l	99
47) Bromodichloromethane	9.39	83	370869	52.974	ug/l	99
48) Methyl methacrylate	9.19	41	280299	50.888	ug/l	99
49) 1,4-Dioxane	9.19	88	95411	1119.667	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	1850315	271.132	ug/l	99
52) Toluene	10.15	92	643622	51.950	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	426240	53.083	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	448091	52.559	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	251610	49.619	ug/l	99
56) Ethyl methacrylate	10.43	69	394954	53.314	ug/l	100
57) 1,3-Dichloropropane	10.70	76	441206	51.059	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	924292	258.896	ug/l	100
59) 2-Hexanone	10.75	43	1415127	268.325	ug/l	99
60) Dibromochloromethane	10.90	129	277377	53.026	ug/l	100
61) 1,2-Dibromoethane	11.00	107	258904	50.964	ug/l	100
64) Tetrachloroethene	10.63	164	224119	49.299	ug/l	95
65) Chlorobenzene	11.43	112	673575	51.059	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	251485	51.554	ug/l	99
67) Ethyl Benzene	11.51	91	1252583	53.265	ug/l	100
68) m/p-Xylenes	11.62	106	934427	105.885	ug/l	99
69) o-Xylene	11.95	106	436154	51.082	ug/l	99
70) Styrene	11.97	104	744397	53.193	ug/l	99
71) Bromoform	12.13	173	188814	52.806	ug/l #	100
73) Isopropylbenzene	12.25	105	1216015	51.418	ug/l	100
74) N-amyl acetate	12.07	43	546494	51.450	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	381380	48.952	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	342528m	47.814	ug/l	
77) Bromobenzene	12.53	156	284085	49.385	ug/l	100
78) n-propylbenzene	12.59	91	1460188	52.986	ug/l	100
79) 2-Chlorotoluene	12.68	91	850445	49.720	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	1051283	52.068	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	133249	49.824	ug/l	97
82) 4-Chlorotoluene	12.78	91	903983	51.503	ug/l	99
83) tert-Butylbenzene	13.00	119	880052	50.879	ug/l	99
84) 1,2,4-Trimethylbenzene	13.05	105	1065203	53.143	ug/l	99
85) sec-Butylbenzene	13.18	105	1211091	53.138	ug/l	99
86) p-Isopropyltoluene	13.29	119	1104427	53.317	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	535685	50.495	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	525976	48.764	ug/l	99
89) n-Butylbenzene	13.62	91	1013878	52.934	ug/l	100
90) Hexachloroethane	13.88	117	193448	52.192	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	519253	50.220	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	83539	45.898	ug/l	96

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VSTDCCC050

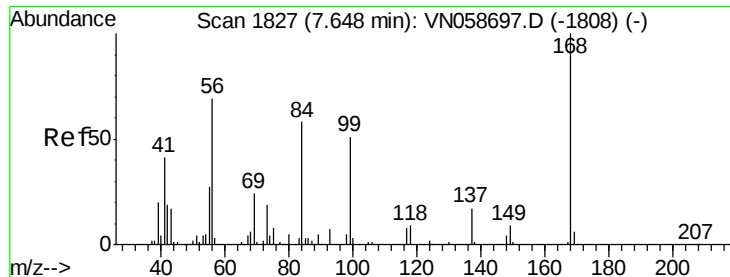
Manual Integrations
APPROVED

MMDadoda
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	312991	49.624	ug/l	99
94) Hexachlorobutadiene	15.02	225	162437	48.905	ug/l	98
95) Naphthalene	15.13	128	865987	47.774	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	294050	47.752	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN058744.D

Acq: 14 Oct 2019 12:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 438349

Ion Ratio Lower Upper

168 100

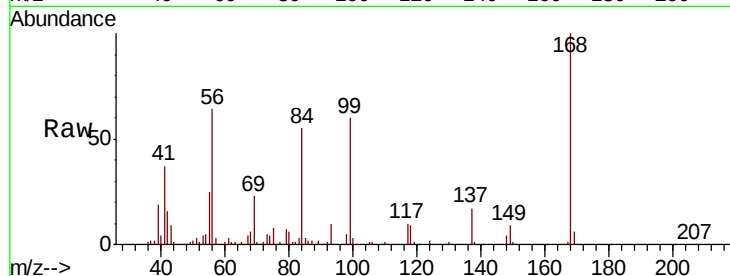
99 59.5 47.5 71.3

Manual Integrations

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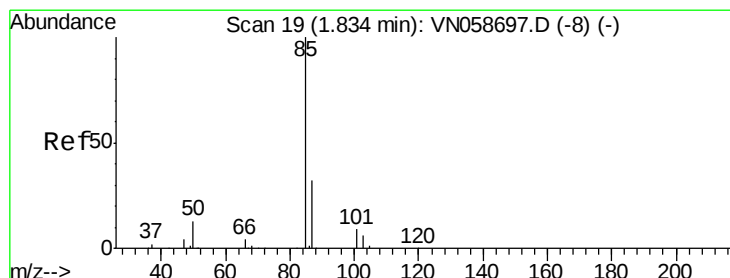
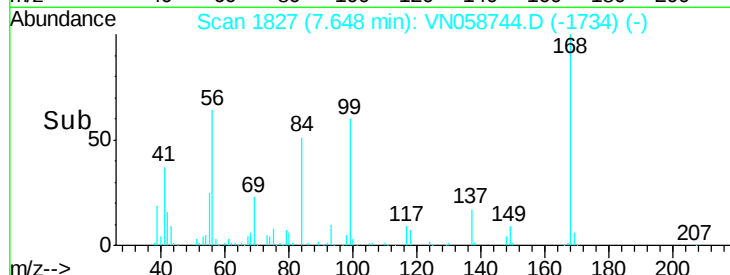
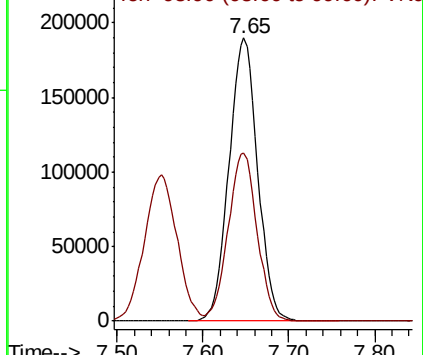
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 52.082 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058744.D

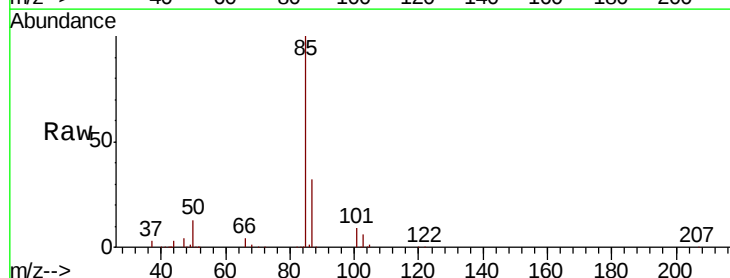
Acq: 14 Oct 2019 12:45

Tgt Ion: 85 Resp: 284338

Ion Ratio Lower Upper

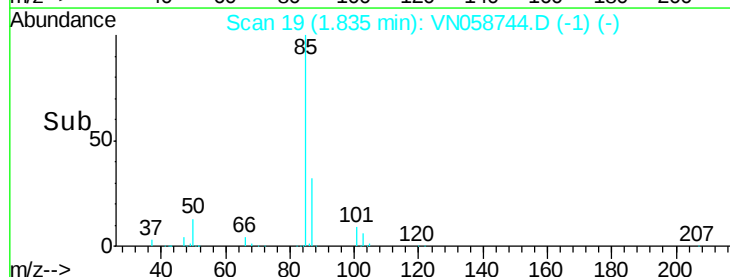
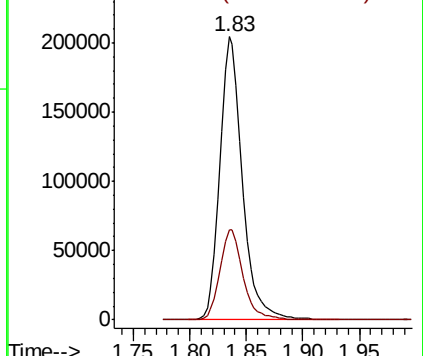
85 100

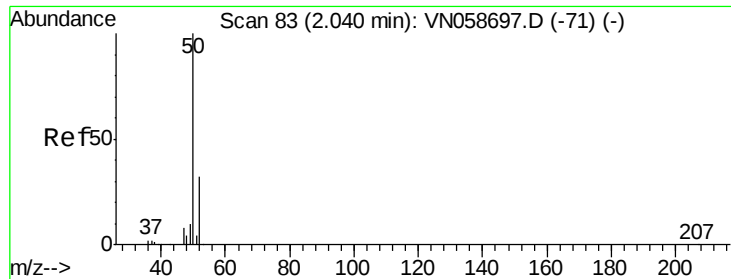
87 31.9 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 48.526 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN058744.D

Acq: 14 Oct 2019 12:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 315025

Ion Ratio Lower Upper

50 100

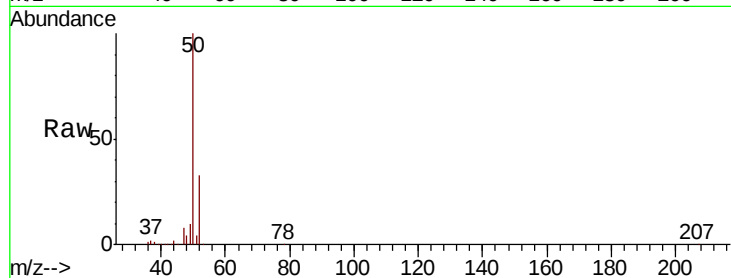
52 33.2 25.8 38.6

Manual Integrations

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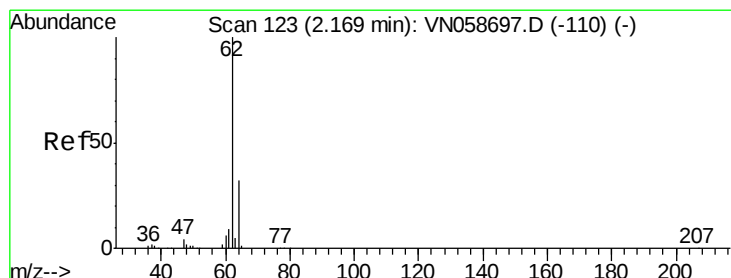
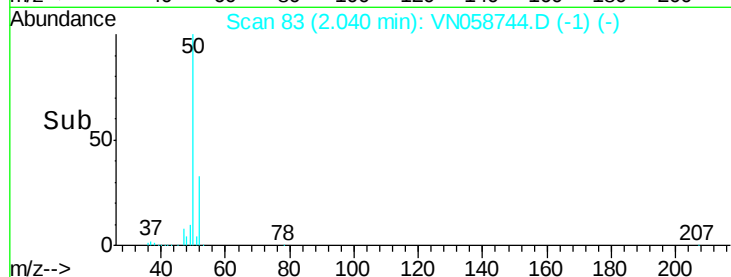
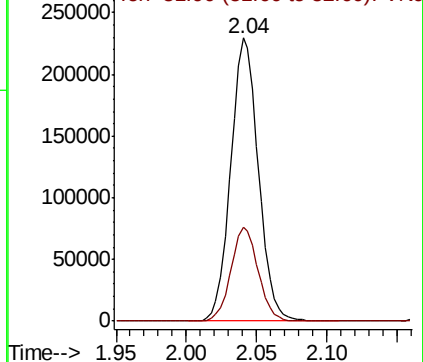
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Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 47.200 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058744.D

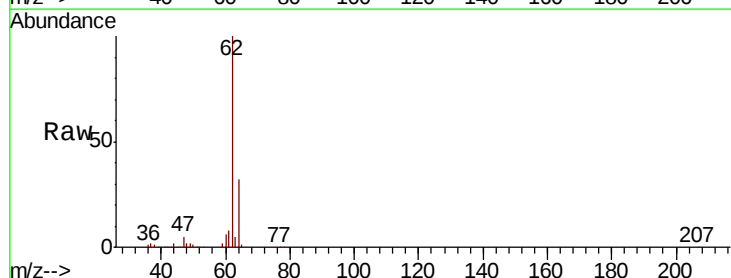
Acq: 14 Oct 2019 12:45

Tgt Ion: 62 Resp: 305181

Ion Ratio Lower Upper

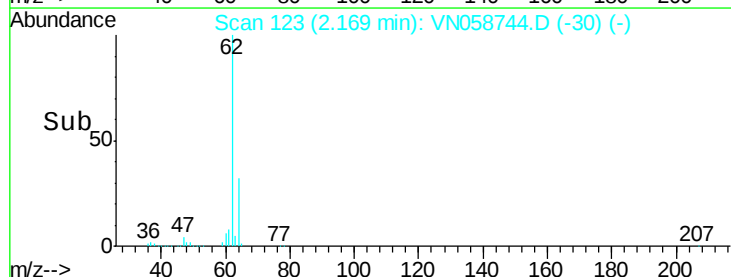
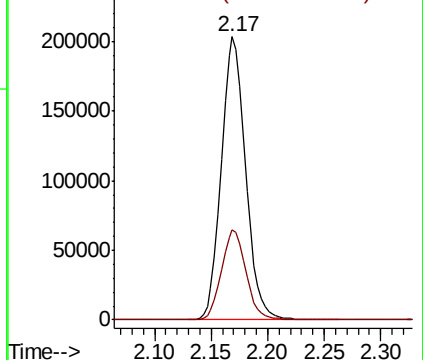
62 100

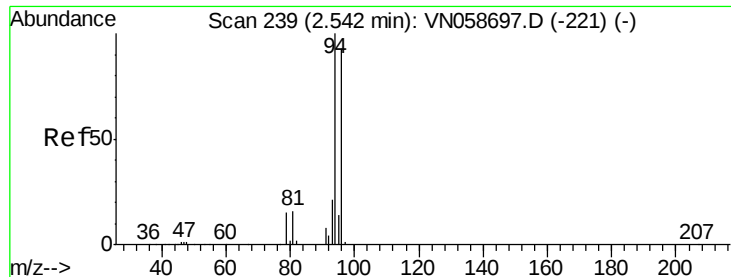
64 31.7 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





#5

Bromomethane

Concen: 47.724 ug/l

RT: 2.54 min Scan# 238

Delta R.T. -0.00 min

Lab File: VN058744.D

Acq: 14 Oct 2019 12:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 187715

Ion Ratio Lower Upper

94 100

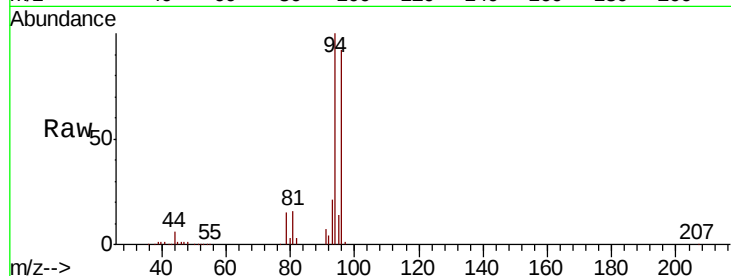
96 92.2 74.5 111.7

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

2.54

100000

80000

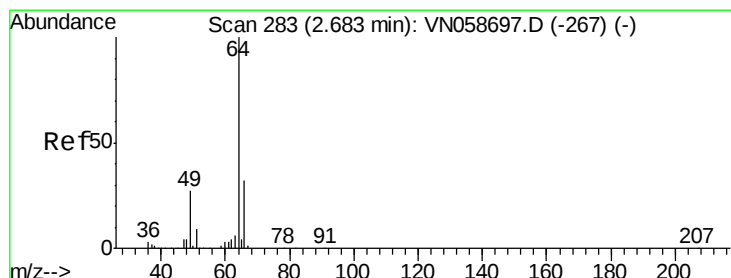
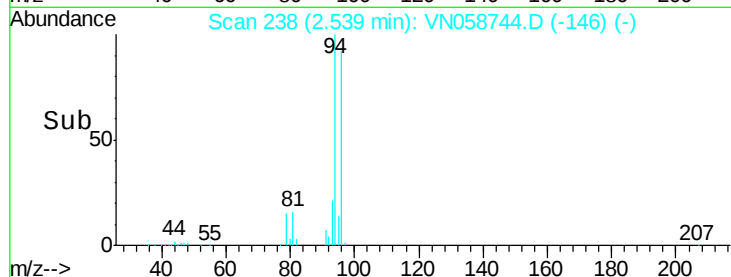
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 48.593 ug/l

RT: 2.68 min Scan# 282

Delta R.T. -0.00 min

Lab File: VN058744.D

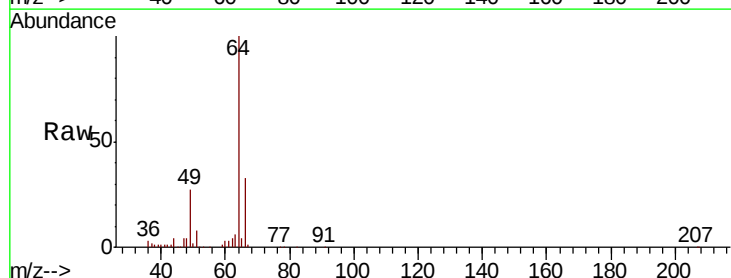
Acq: 14 Oct 2019 12:45

Tgt Ion: 64 Resp: 193799

Ion Ratio Lower Upper

64 100

66 33.0 25.4 38.2



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO

2.68

100000

80000

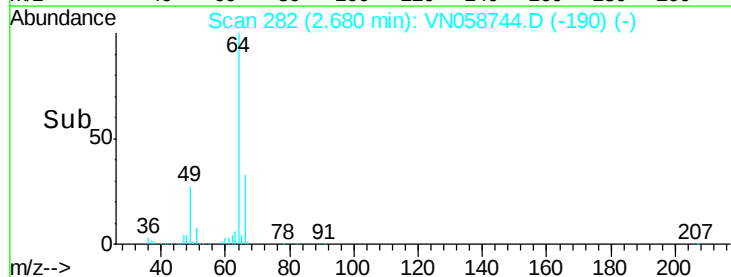
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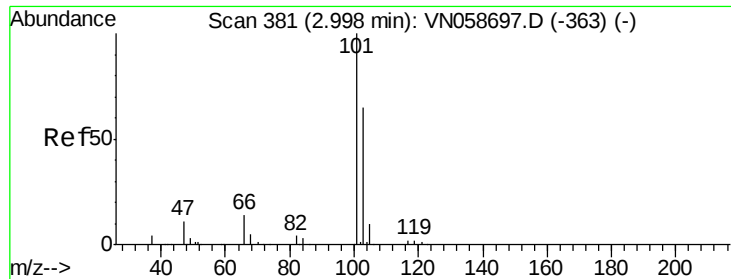
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Time-->





#7

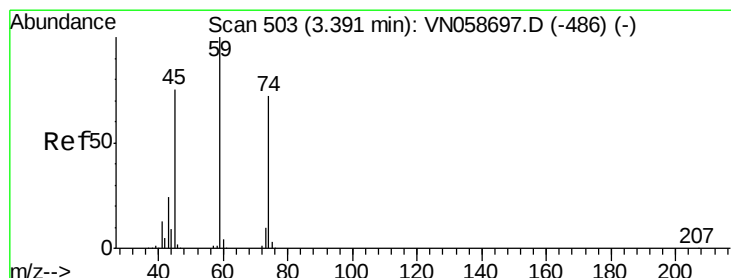
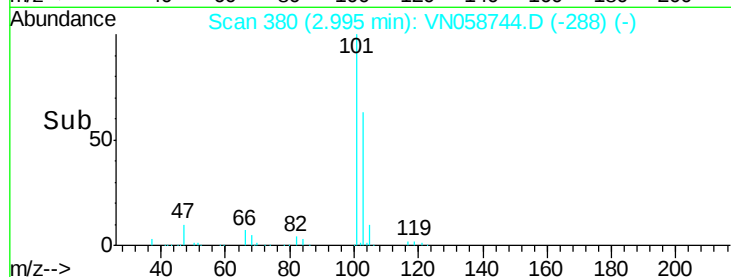
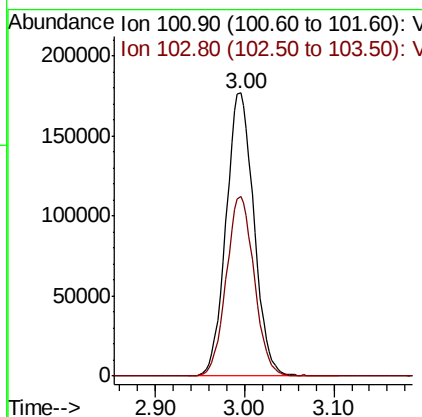
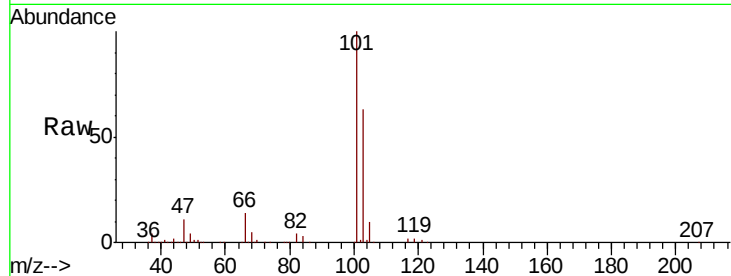
Trichlorofluoromethane
 Concen: 49.371 ug/l
 RT: 3.00 min Scan# 380
 Delta R.T. -0.00 min
 Lab File: VN058744.D
 Acq: 14 Oct 2019 12:45

Instrument :
 MSVOA_N
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 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.3	51.8	77.6

Manual Integrations
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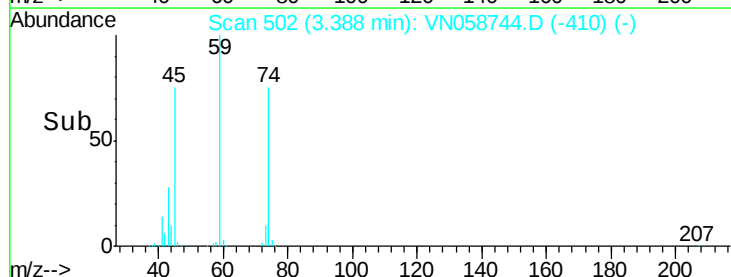
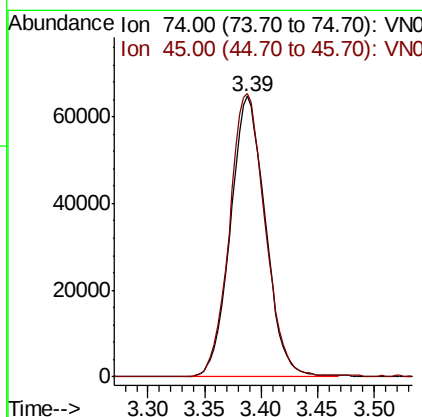
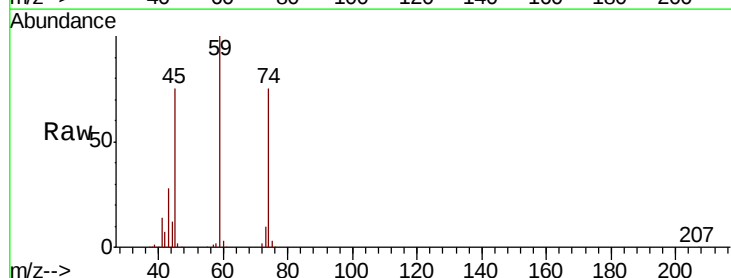
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 10/16/2019 12:56:46 AM

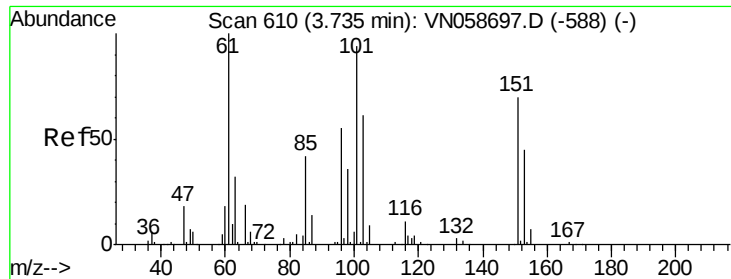


#8

Diethyl Ether
 Concen: 48.721 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. -0.00 min
 Lab File: VN058744.D
 Acq: 14 Oct 2019 12:45

Tgt Ion	Ratio	Lower	Upper
74	100		
45	103.1	51.3	154.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.540 ug/l

RT: 3.73 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN058744.D

Acq: 14 Oct 2019 12:45

Instrument :

MSVOA_N

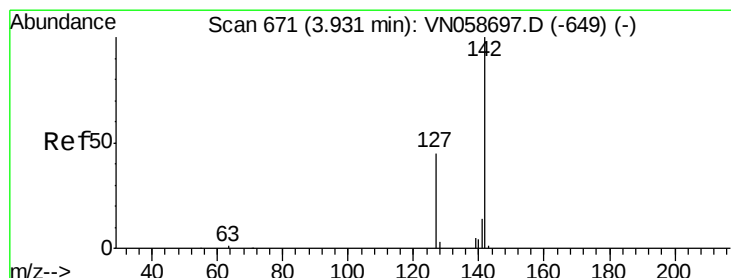
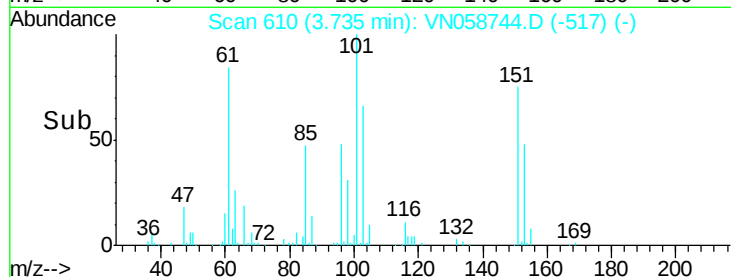
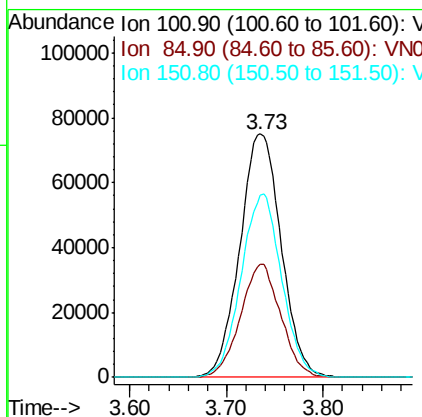
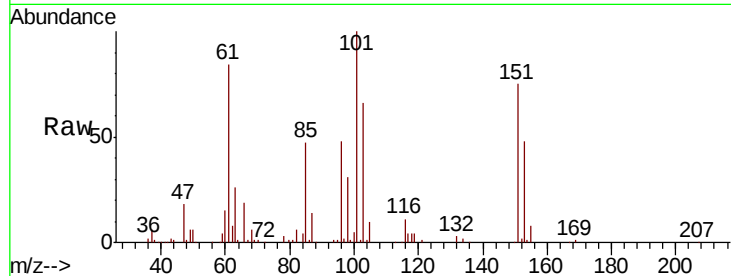
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	222990
Ion Ratio	Lower	Upper	
101	100		
85	45.3	37.0	55.6
151	74.0	61.8	92.6

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#10

Methyl Iodide

Concen: 48.802 ug/l

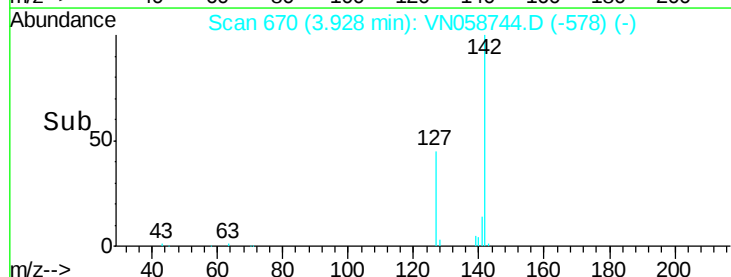
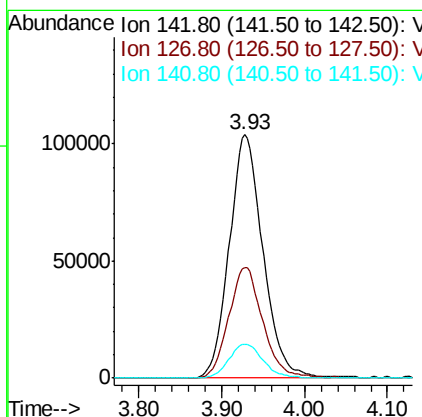
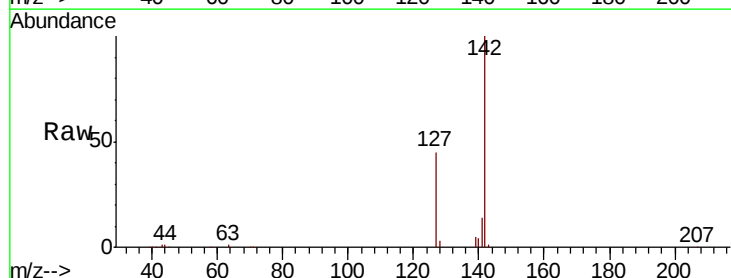
RT: 3.93 min Scan# 670

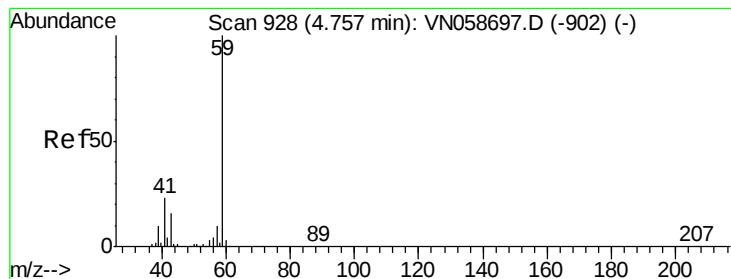
Delta R.T. -0.00 min

Lab File: VN058744.D

Acq: 14 Oct 2019 12:45

Tgt Ion:	142	Resp:	293834
Ion Ratio	Lower	Upper	
142	100		
127	46.0	36.4	54.6
141	14.4	11.1	16.7





#11

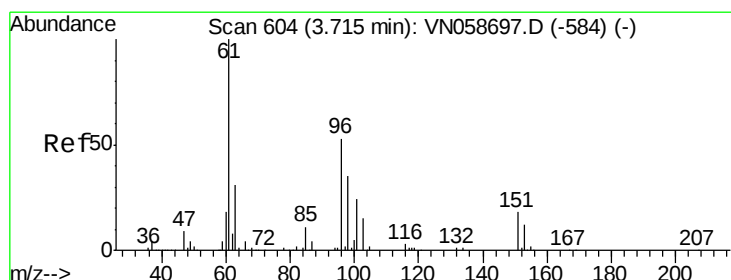
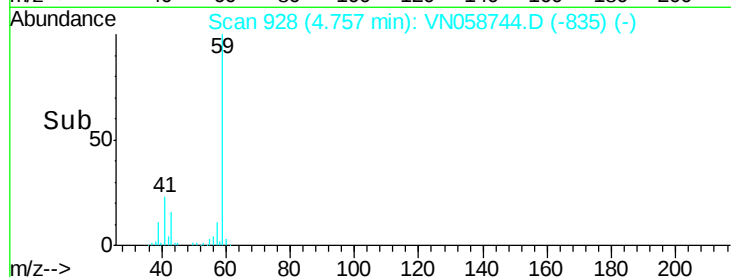
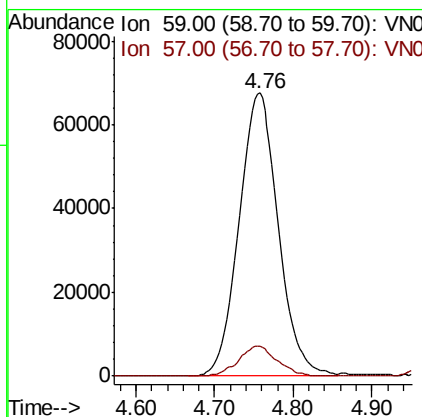
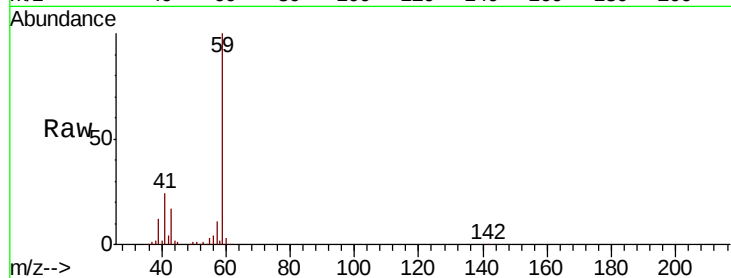
Tert butyl alcohol
Concen: 238.116 ug/l
RT: 4.76 min Scan# 928
Delta R.T. 0.00 min
Lab File: VN058744.D
Acq: 14 Oct 2019 12:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	59	Resp	236656
Ion Ratio	100	Lower	Upper
57	10.4	8.4	12.6

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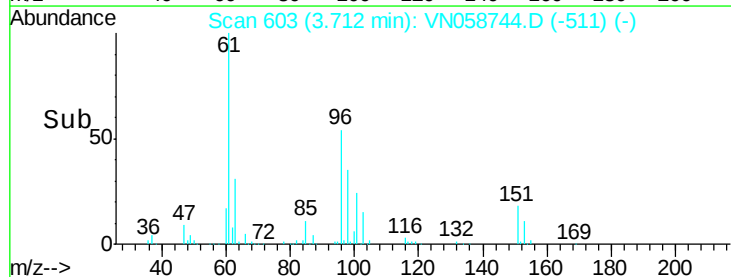
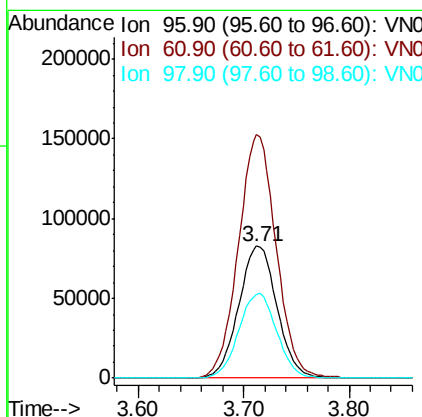
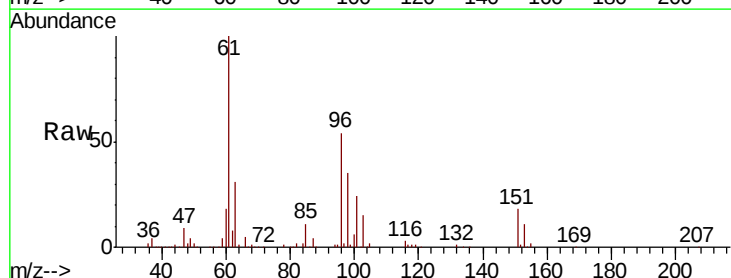
MMDadoda
10/16/2019 12:56:46 AM

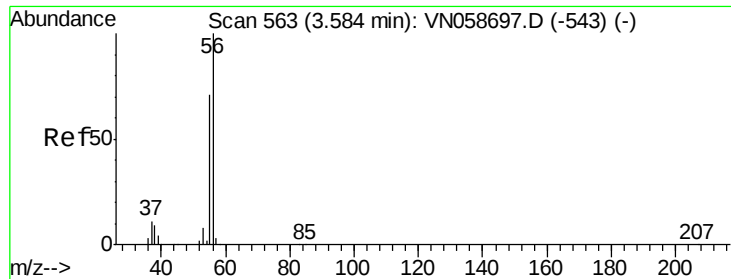


#12

1,1-Dichloroethene
Concen: 49.620 ug/l
RT: 3.71 min Scan# 603
Delta R.T. -0.00 min
Lab File: VN058744.D
Acq: 14 Oct 2019 12:45

Tgt Ion	96	Resp	208886
Ion Ratio	100	Lower	Upper
61	184.9	151.3	226.9
98	63.9	52.6	78.8





#13

Acrolein

Concen: 210.953 ug/l

RT: 3.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VN058744.D

Acq: 14 Oct 2019 12:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 168619

Ion Ratio Lower Upper

56 100

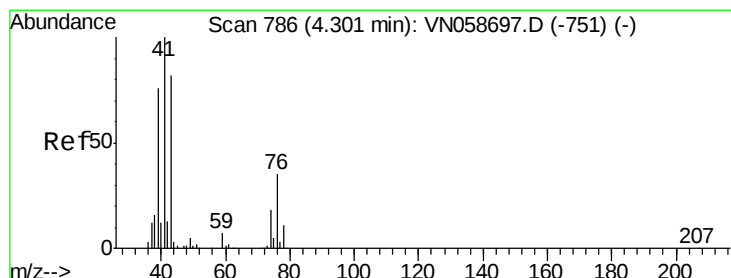
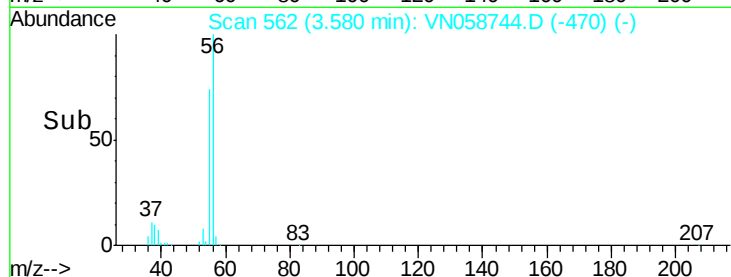
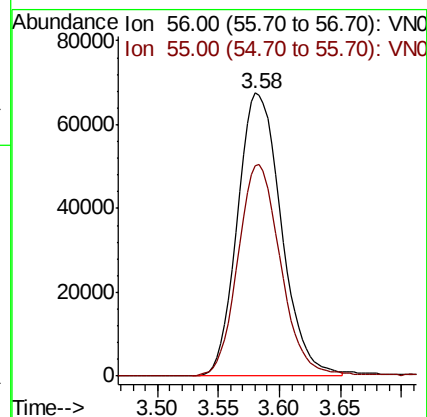
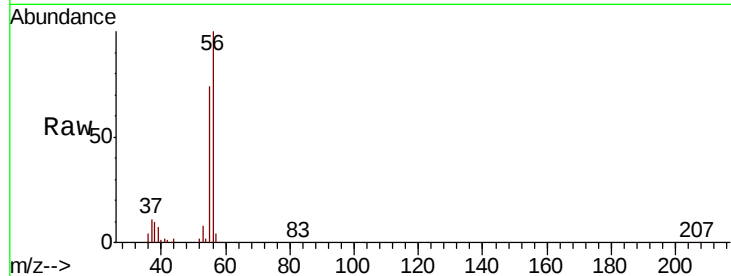
55 73.4 56.7 85.1

Manual Integrations

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#14

Allyl chloride

Concen: 49.423 ug/l

RT: 4.30 min Scan# 785

Delta R.T. -0.00 min

Lab File: VN058744.D

Acq: 14 Oct 2019 12:45

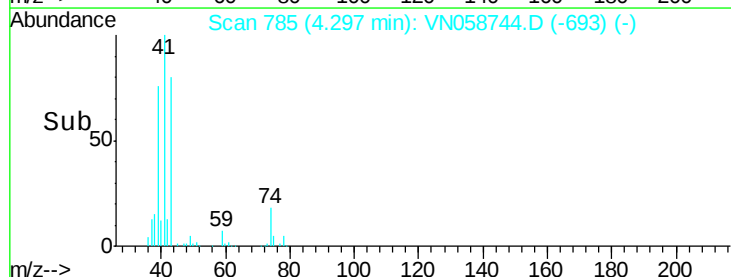
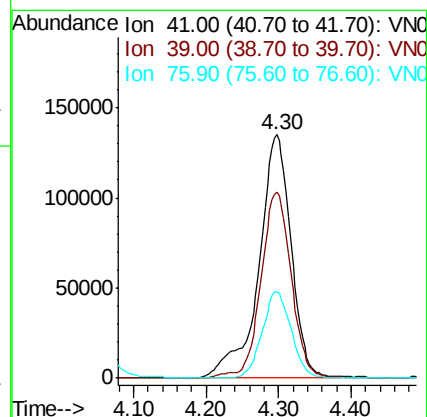
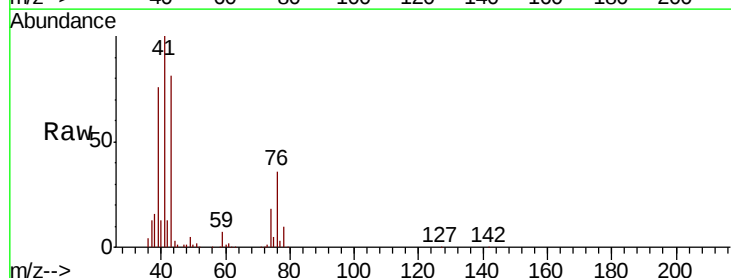
Tgt Ion: 41 Resp: 419875

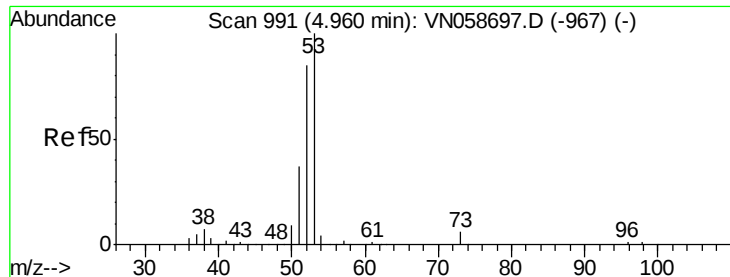
Ion Ratio Lower Upper

41 100

39 71.9 57.2 85.8

76 31.8 25.0 37.6





#15

Acrylonitrile

Concen: 248.329 ug/l

RT: 4.95 min Scan# 989

Delta R.T. -0.01 min

Lab File: VN058744.D

Acq: 14 Oct 2019 12:45

Instrument :

MSVOA_N

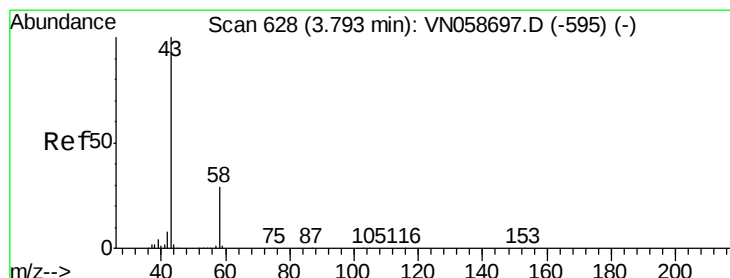
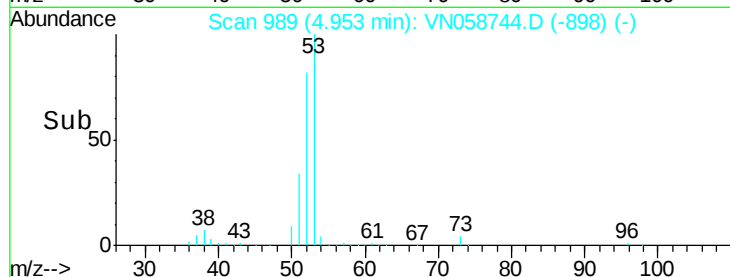
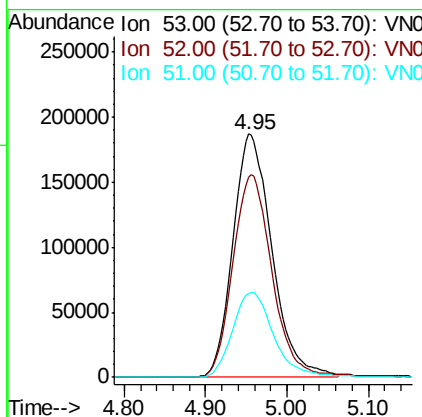
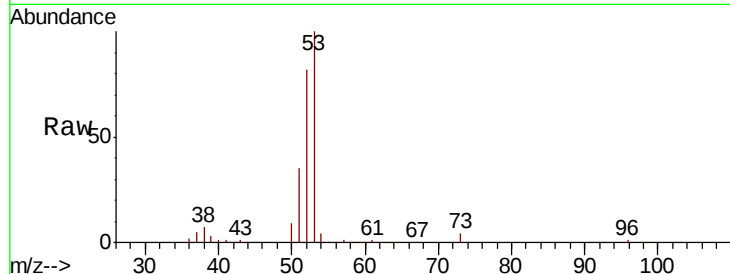
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	622405
Ion Ratio	Lower	Upper	
53	100		
52	83.0	66.2	99.2
51	37.1	29.4	44.2

Manual Integrations
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#16

Acetone

Concen: 262.154 ug/l

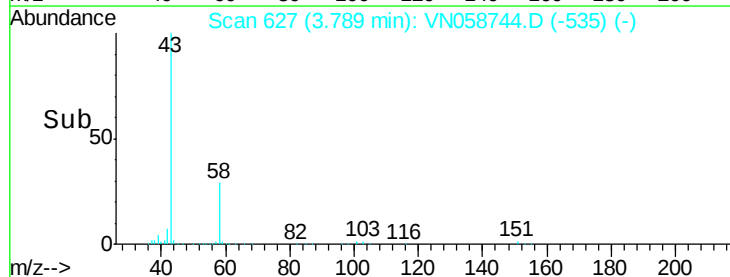
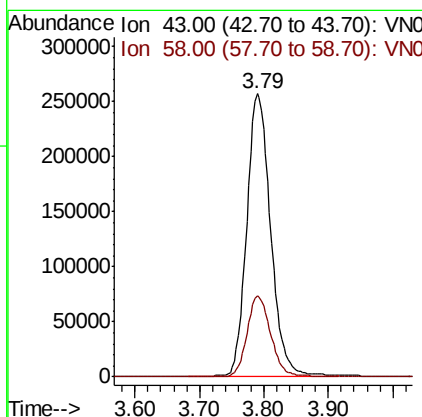
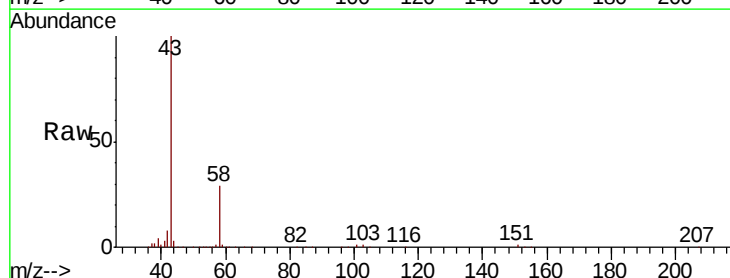
RT: 3.79 min Scan# 627

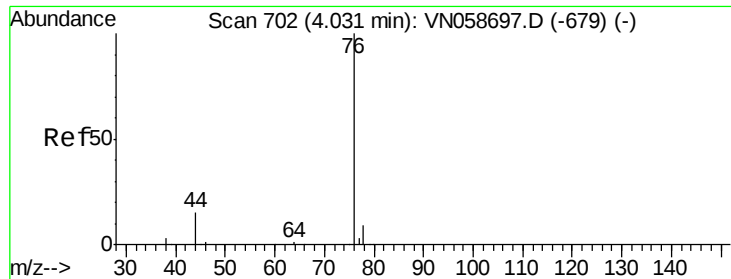
Delta R.T. -0.00 min

Lab File: VN058744.D

Acq: 14 Oct 2019 12:45

Tgt Ion:	43	Resp:	666030
Ion Ratio	Lower	Upper	
43	100		
58	28.5	23.3	34.9





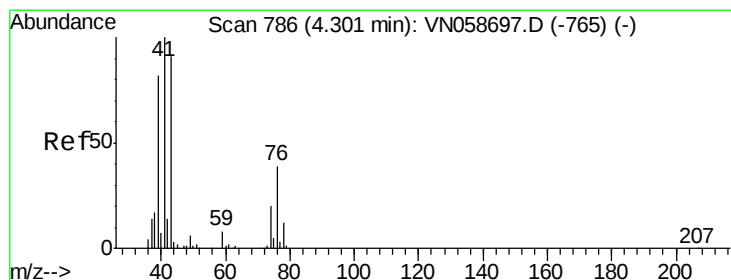
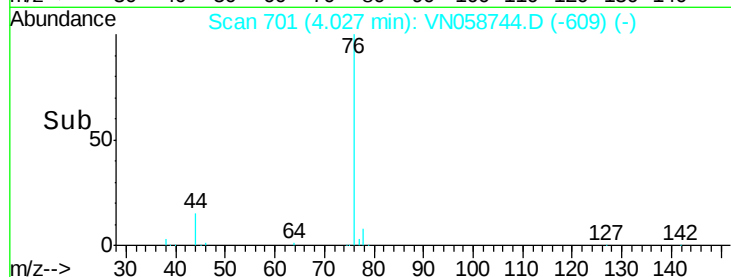
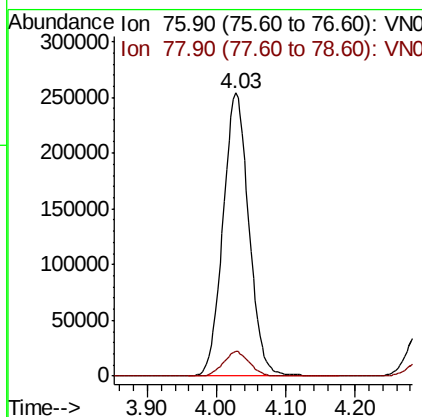
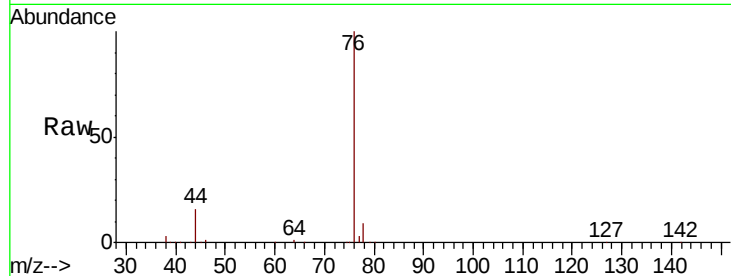
#17
Carbon Disulfide
Concen: 49.214 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN058744.D
Acq: 14 Oct 2019 12:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.1	10.7

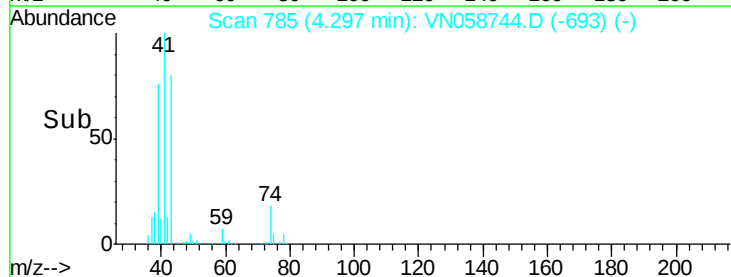
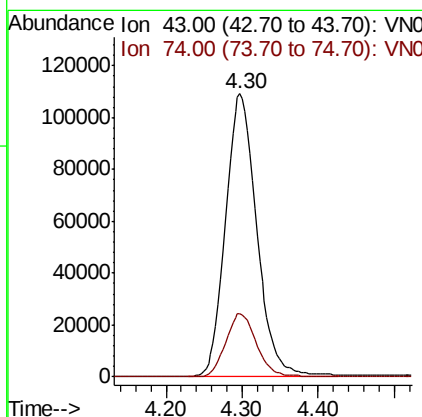
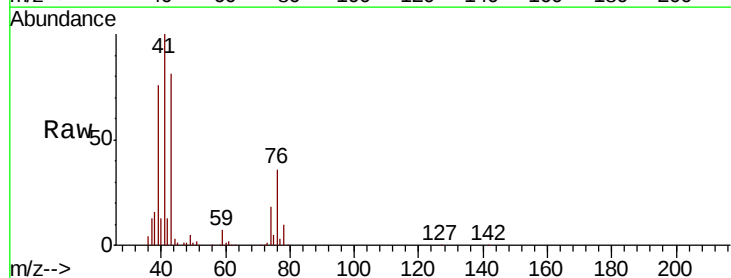
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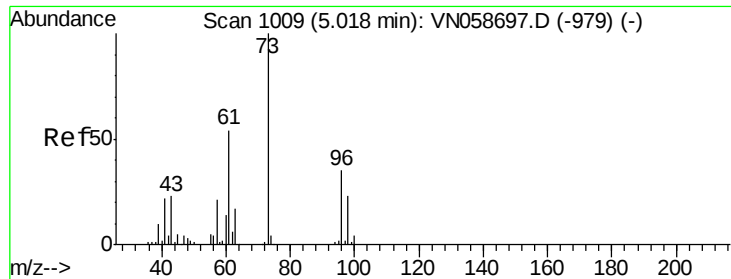
MMDadoda
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#18
Methyl Acetate
Concen: 48.114 ug/l
RT: 4.30 min Scan# 785
Delta R.T. -0.00 min
Lab File: VN058744.D
Acq: 14 Oct 2019 12:45

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.2	17.2	25.8





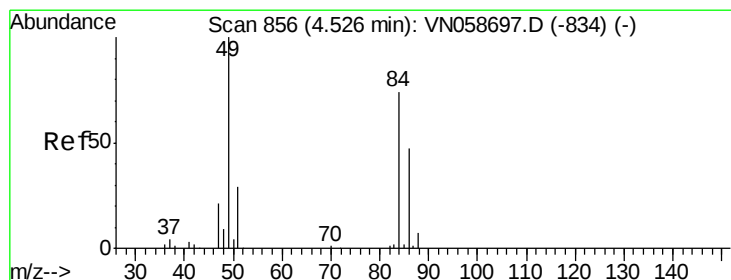
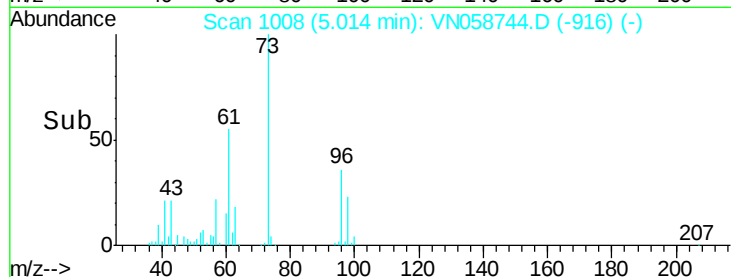
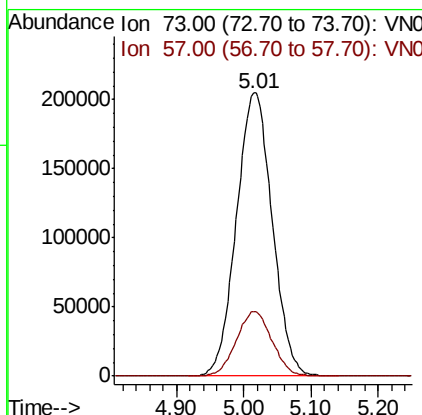
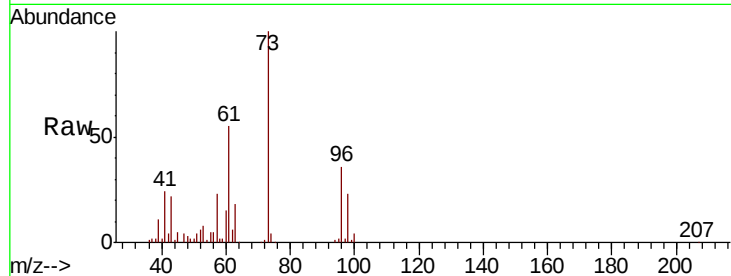
#19
Methvl tert-butvl Ether
Concen: 50.473 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. -0.00 min
Lab File: VN058744.D
Acq: 14 Oct 2019 12:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 758720
Ion Ratio Lower Upper
73 100
57 22.8 17.0 25.6

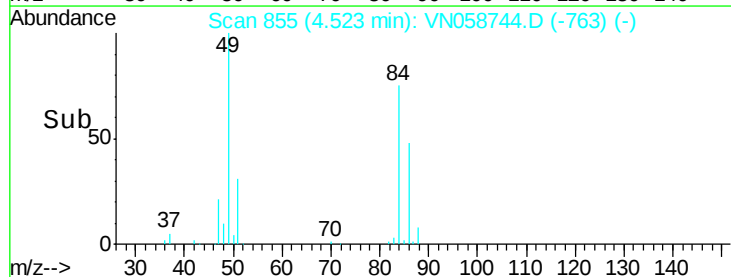
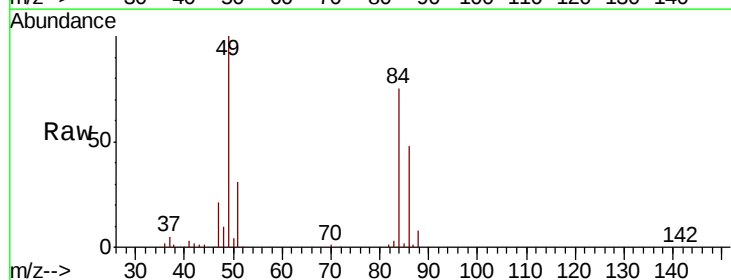
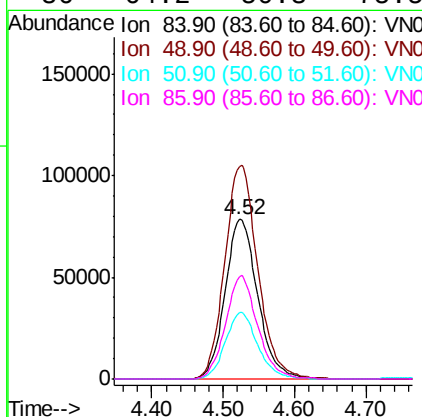
Manual Integrations
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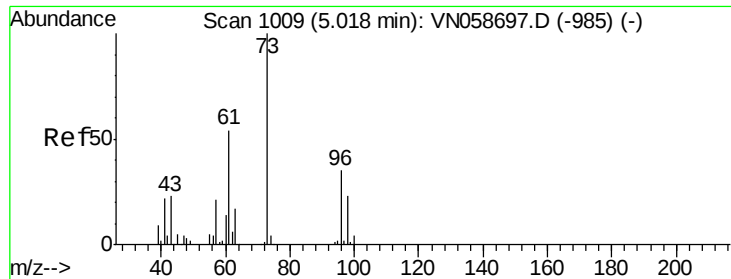
MMDadoda
10/16/2019 12:56:46 AM



#20
Methylene Chloride
Concen: 47.074 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.00 min
Lab File: VN058744.D
Acq: 14 Oct 2019 12:45

Tgt Ion: 84 Resp: 249953
Ion Ratio Lower Upper
84 100
49 132.9 107.6 161.4
51 41.7 31.4 47.0
86 64.2 50.3 75.5





#21

trans-1,2-Dichloroethene

Concen: 50.097 ug/l

RT: 5.01 min Scan# 1007

Delta R.T. -0.01 min

Lab File: VN058744.D

Acq: 14 Oct 2019 12:45

Instrument :

MSVOA_N

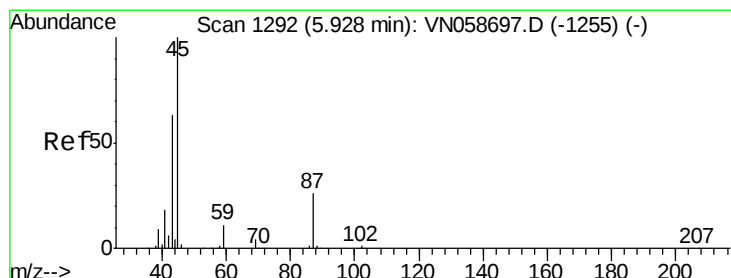
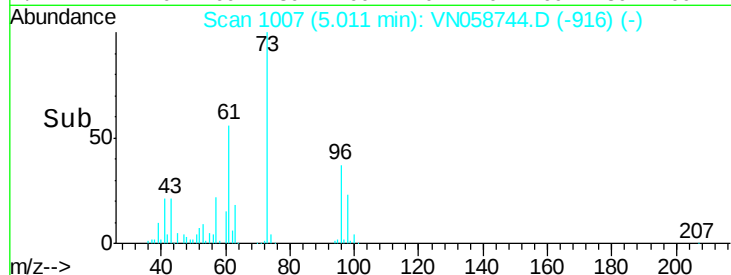
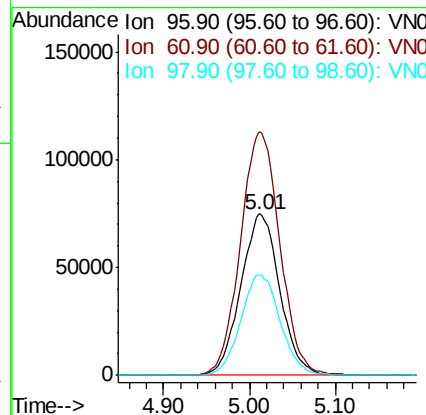
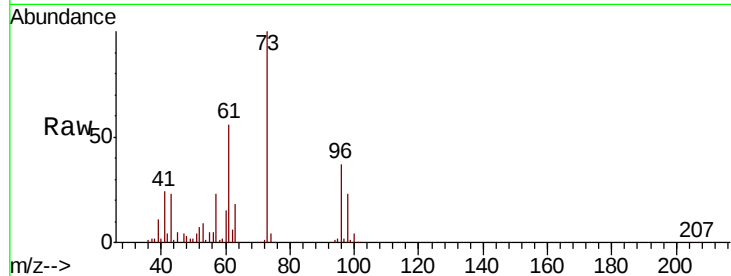
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	235900
Ion	Ratio	Lower	Upper
96	100		
61	151.0	123.6	185.4
98	62.5	52.1	78.1

Manual Integrations
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#22

Diisopropyl ether

Concen: 50.922 ug/l

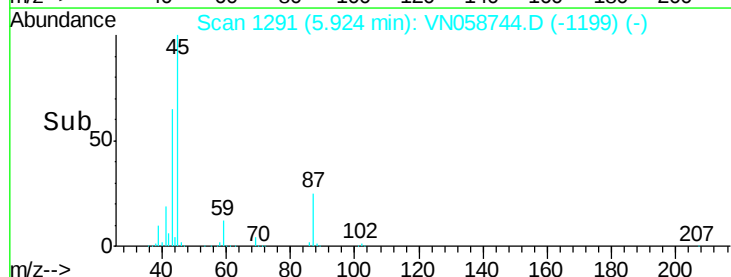
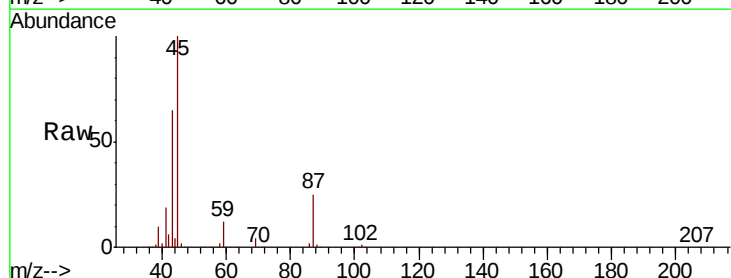
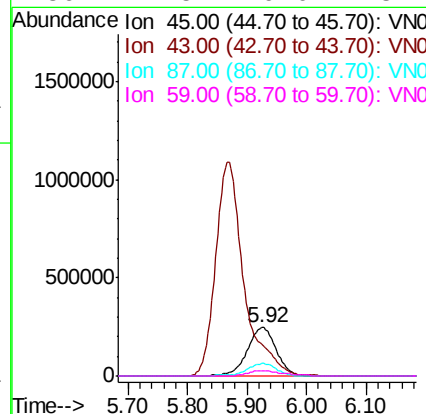
RT: 5.92 min Scan# 1291

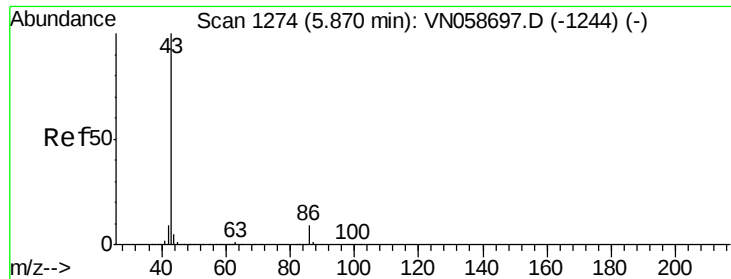
Delta R.T. -0.00 min

Lab File: VN058744.D

Acq: 14 Oct 2019 12:45

Tgt Ion:	45	Resp:	841135
Ion	Ratio	Lower	Upper
45	100		
43	64.0	50.6	75.8
87	25.3	21.1	31.7
59	11.5	9.0	13.4





#23

Vinyl Acetate

Concen: 269.323 ug/l

RT: 5.87 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VN058744.D

Acq: 14 Oct 2019 12:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 3589660

Ion Ratio Lower Upper

43 100

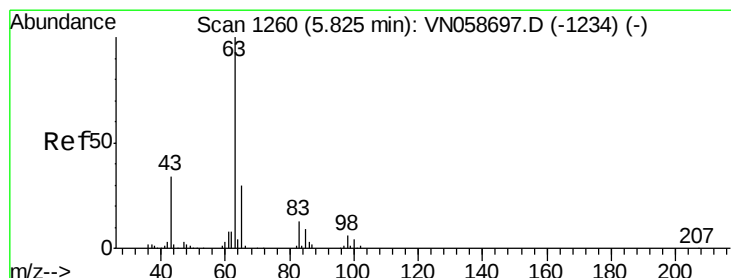
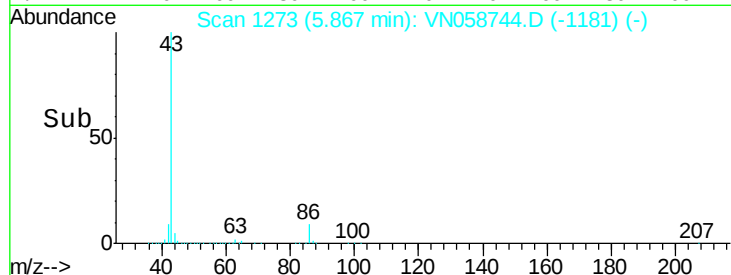
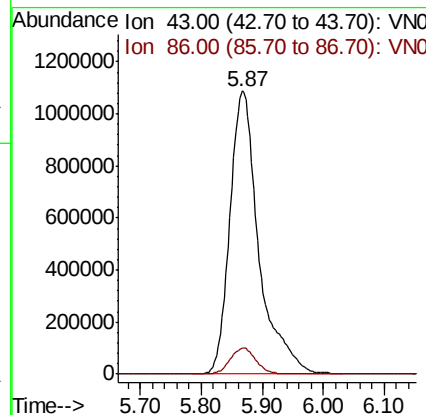
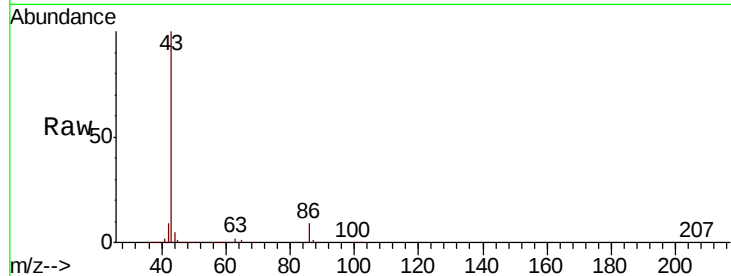
86 9.2 7.4 11.0

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 50.486 ug/l

RT: 5.82 min Scan# 1259

Delta R.T. -0.00 min

Lab File: VN058744.D

Acq: 14 Oct 2019 12:45

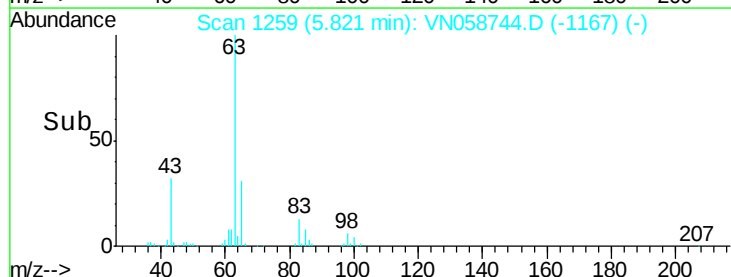
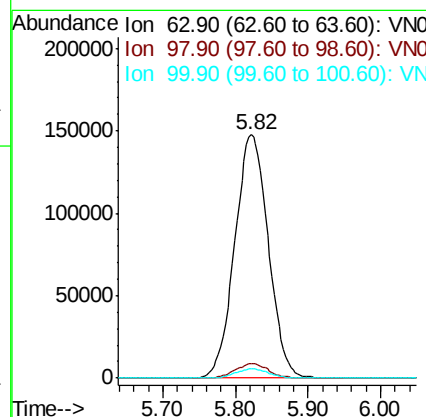
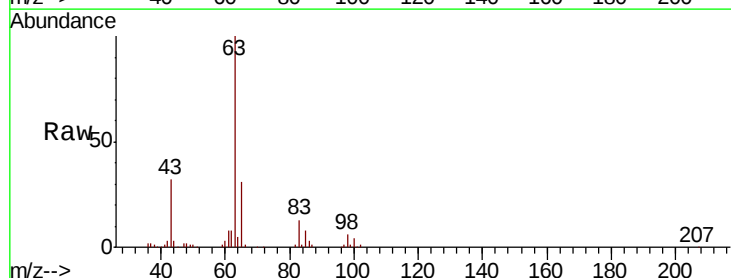
Tgt Ion: 63 Resp: 474947

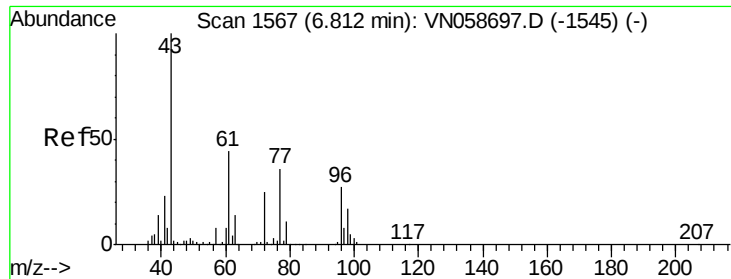
Ion Ratio Lower Upper

63 100

98 6.0 2.9 8.6

100 3.9 1.8 5.5





#25

2-Butanone

Concen: 248.393 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN058744.D

Acq: 14 Oct 2019 12:45

Tot Ion: 43 Resp: 912143

Ion Ratio Lower Upper

43 100

72 25.4 20.2 30.2

Instrument :

MSVOA_N

ClientSampleId :

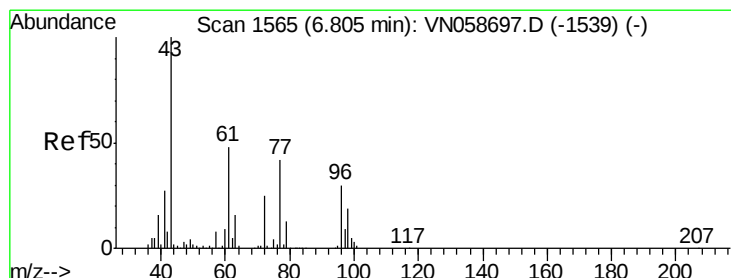
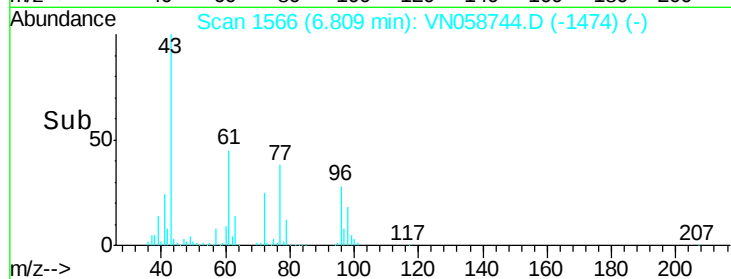
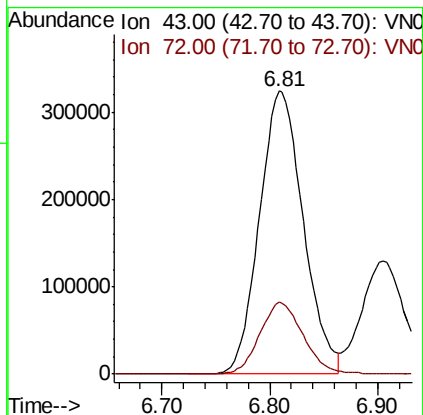
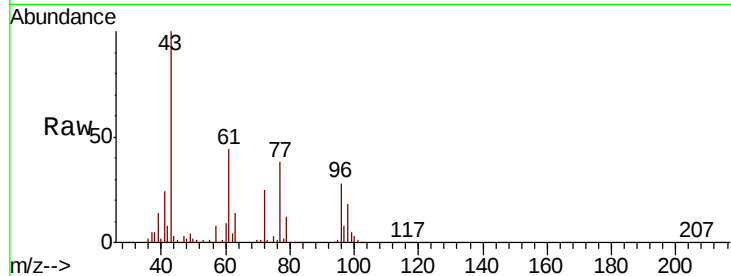
VSTDCCC050

Manual Integrations

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MMDadoda

10/16/2019 12:56:46 AM



#26

2,2-Dichloropropane

Concen: 48.632 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN058744.D

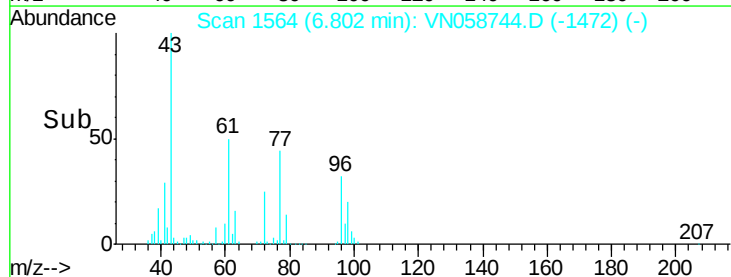
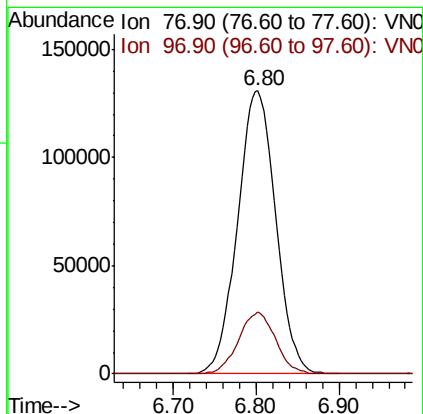
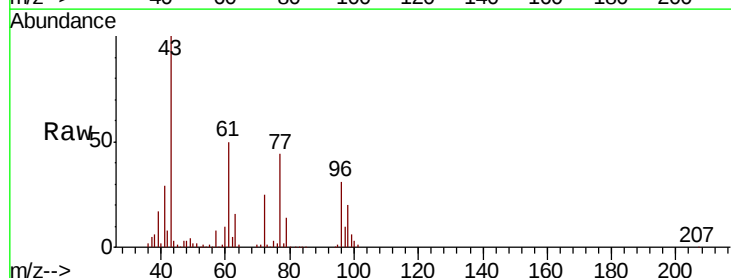
Acq: 14 Oct 2019 12:45

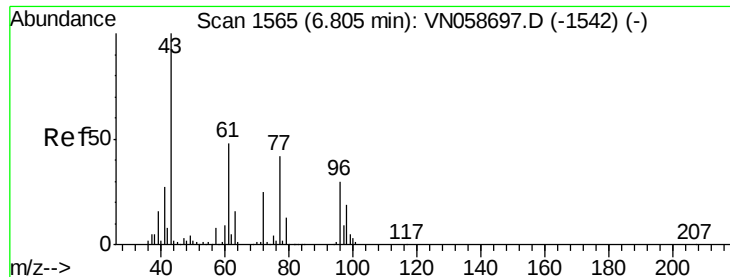
Tgt Ion: 77 Resp: 417634

Ion Ratio Lower Upper

77 100

97 21.2 10.7 31.9





#27

cis-1,2-Dichloroethene

Concen: 48.767 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN058744.D

Acq: 14 Oct 2019 12:45

Instrument :

MSVOA_N

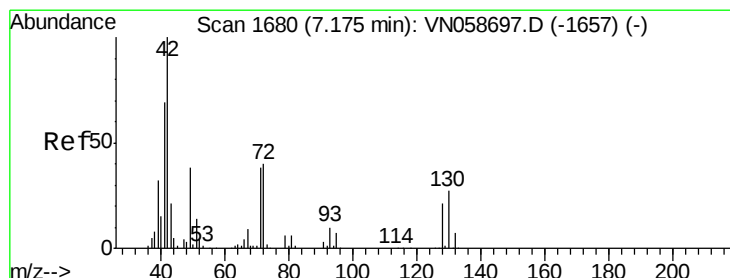
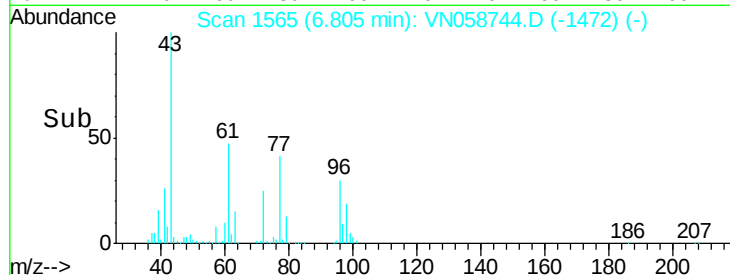
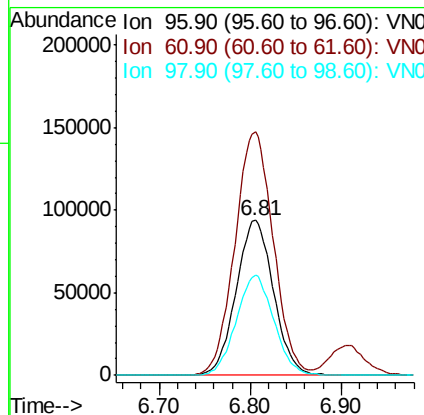
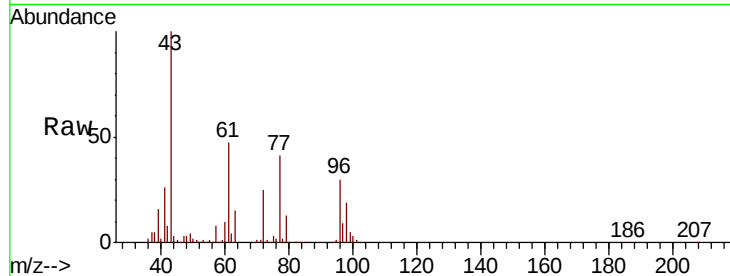
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	267788
Ion	Ratio	Lower	Upper
96	100		
61	161.7	0.0	324.8
98	65.0	0.0	129.2

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#28

Bromochloromethane

Concen: 51.482 ug/l

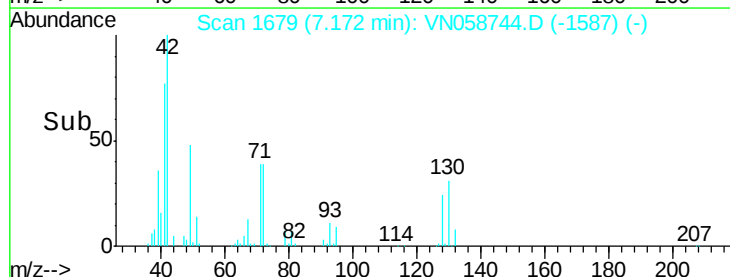
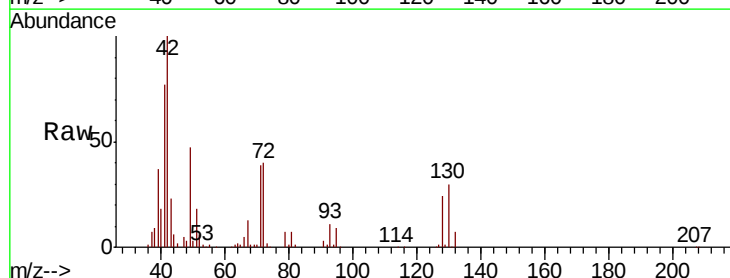
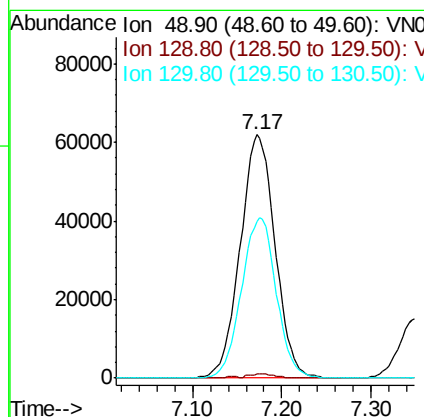
RT: 7.17 min Scan# 1679

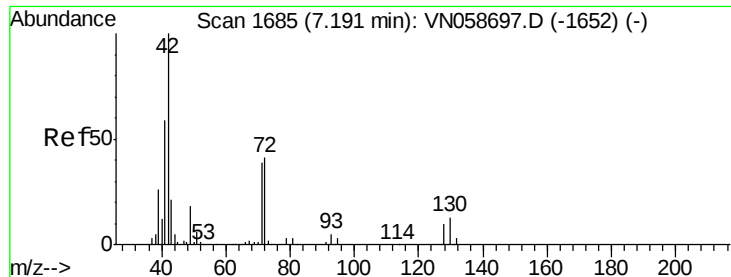
Delta R.T. -0.00 min

Lab File: VN058744.D

Acq: 14 Oct 2019 12:45

Tgt Ion:	49	Resp:	168492
Ion	Ratio	Lower	Upper
49	100		
129	1.3	0.0	3.6
130	65.8	55.0	82.4





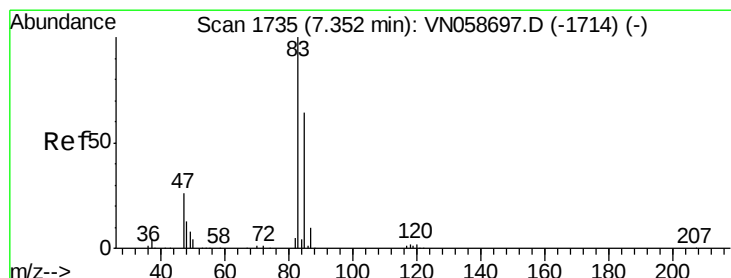
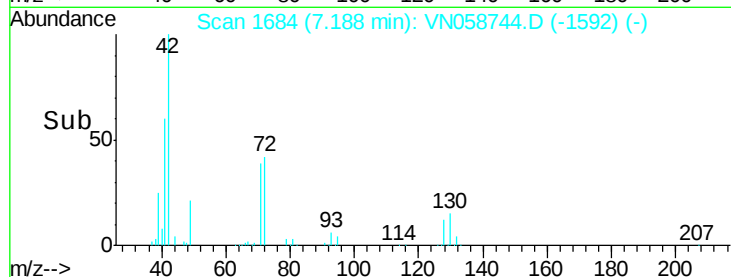
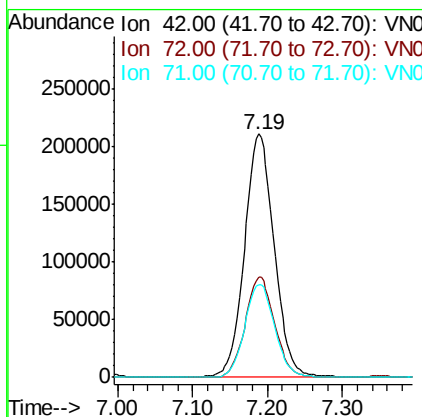
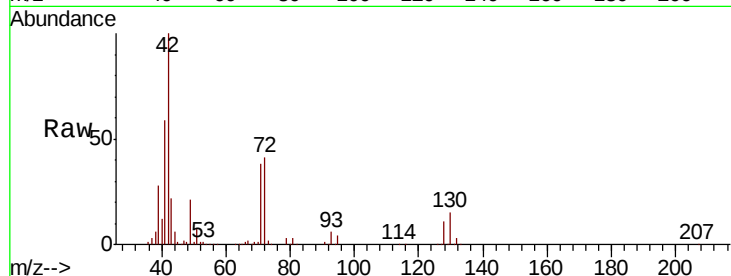
#29
Tetrahydrofuran
Concen: 244.730 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VN058744.D
Acq: 14 Oct 2019 12:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.9	32.8	49.2
71	38.7	31.1	46.7

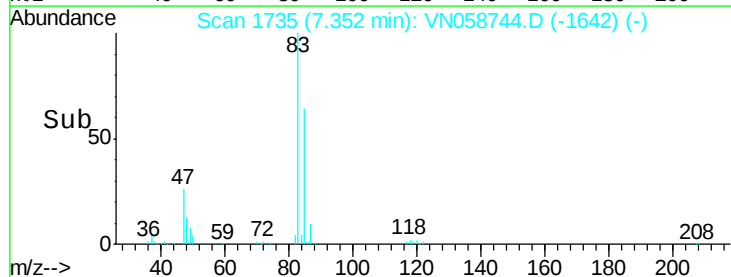
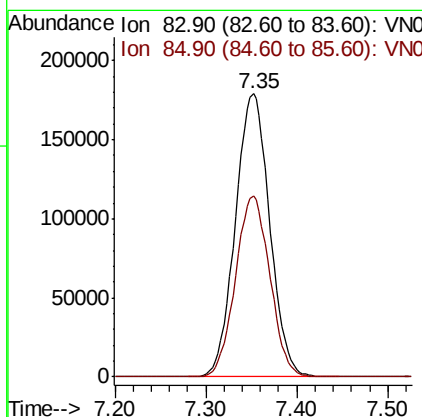
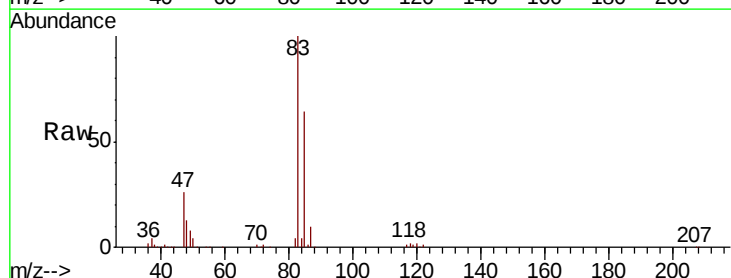
Manual Integrations
APPROVED

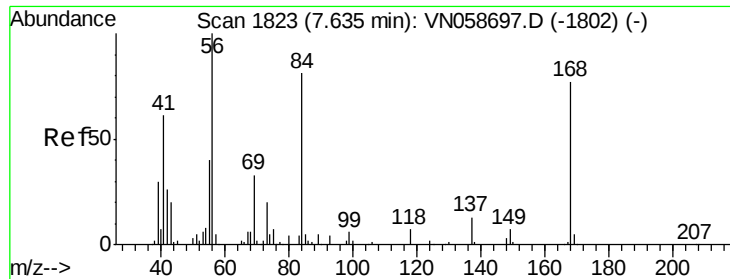
MMDadoda
10/16/2019 12:56:46 AM



#30
Chloroform
Concen: 49.666 ug/l
RT: 7.35 min Scan# 1735
Delta R.T. 0.00 min
Lab File: VN058744.D
Acq: 14 Oct 2019 12:45

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.2	51.0	76.6





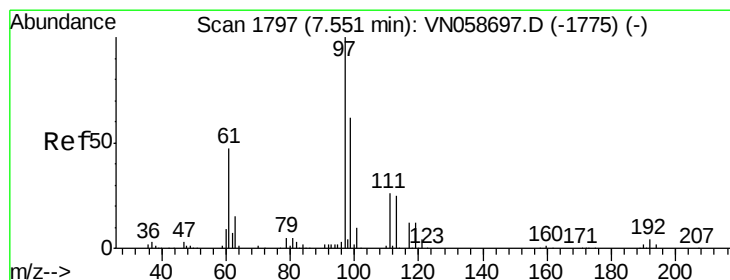
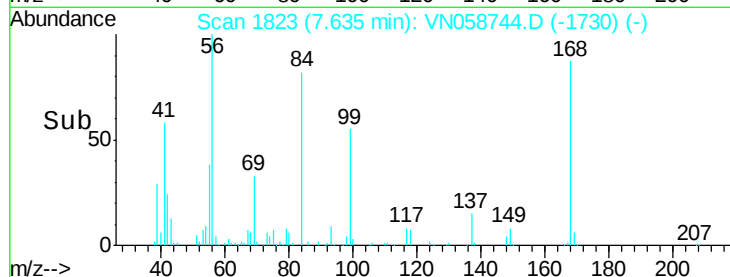
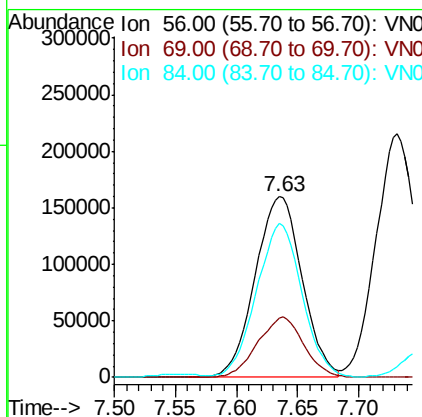
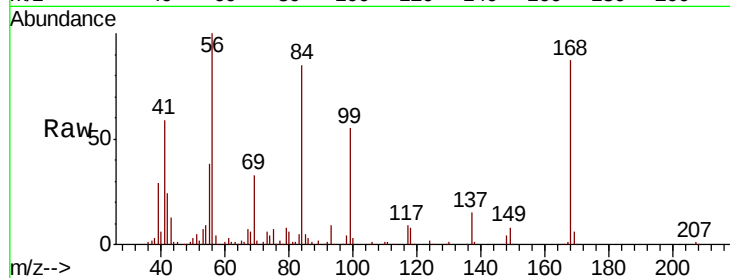
#31
Cvclohexane
Concen: 47.607 ug/l
RT: 7.63 min Scan# 1823
Delta R.T. 0.00 min
Lab File: VN058744.D
Acq: 14 Oct 2019 12:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.7	26.2	39.4
84	83.5	64.9	97.3

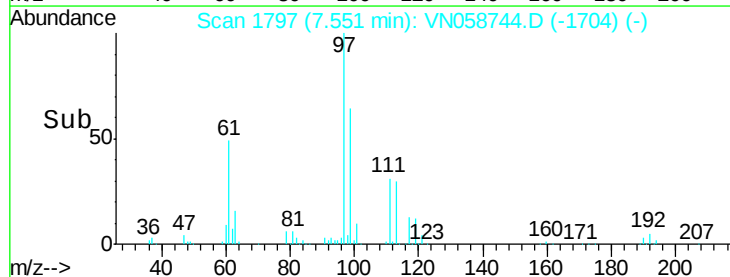
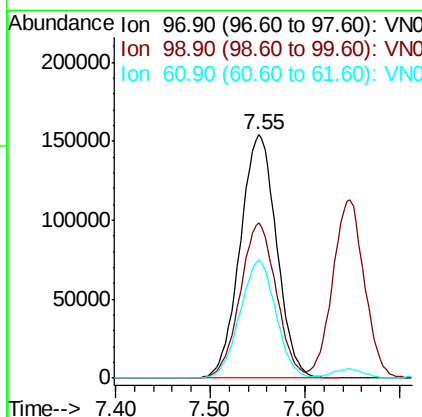
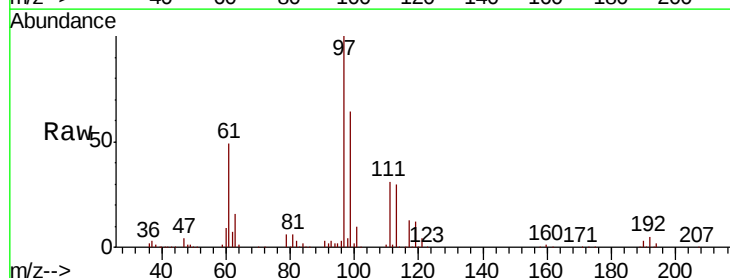
Manual Integrations
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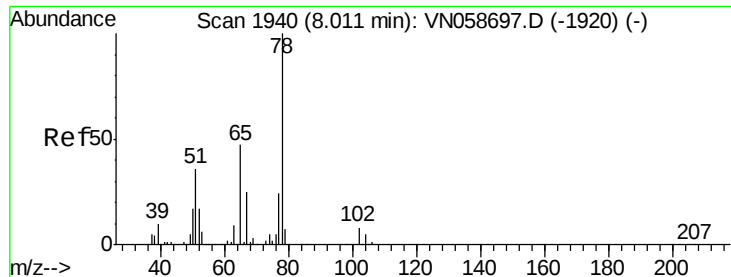
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#32
1,1,1-Trichloroethane
Concen: 51.241 ug/l
RT: 7.55 min Scan# 1797
Delta R.T. 0.00 min
Lab File: VN058744.D
Acq: 14 Oct 2019 12:45

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.0	50.8	76.2
61	47.8	38.1	57.1





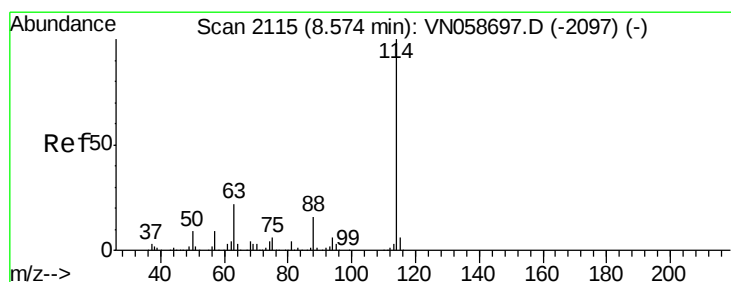
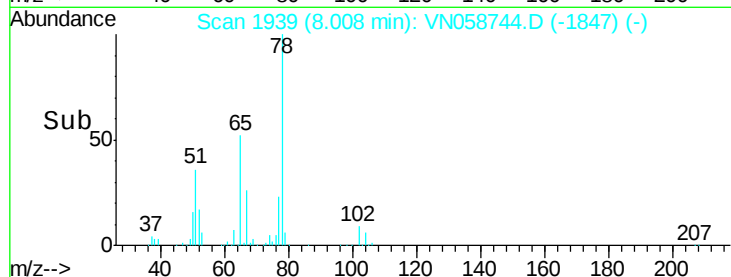
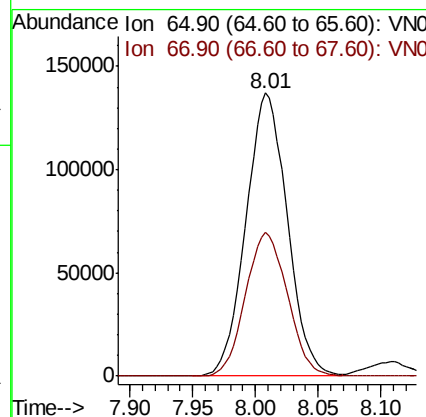
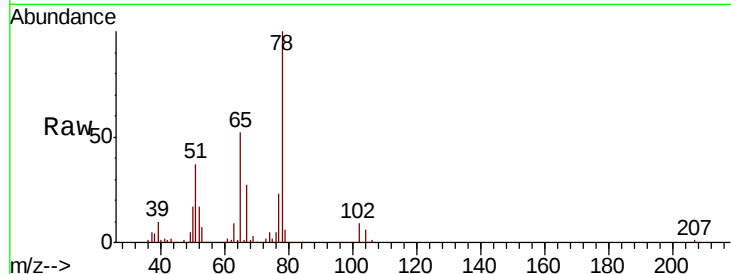
#33
 1,2-Dichloroethane-d4
 Concen: 51.305 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. -0.00 min
 Lab File: VN058744.D
 Acq: 14 Oct 2019 12:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	51.6	0.0	103.8	

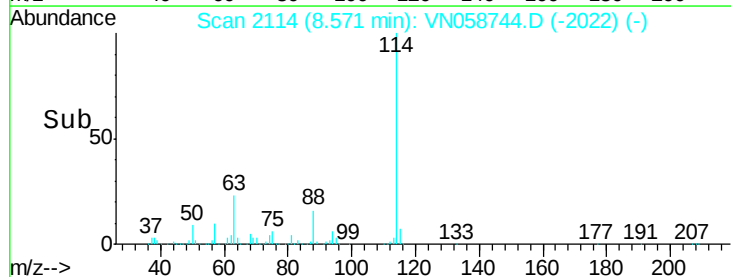
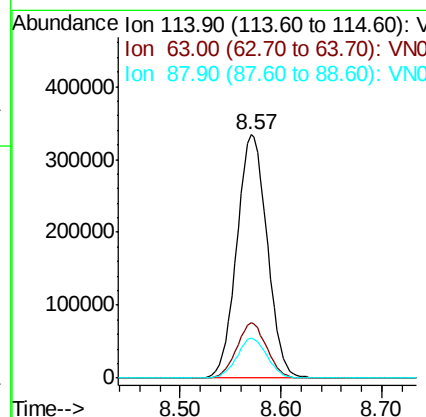
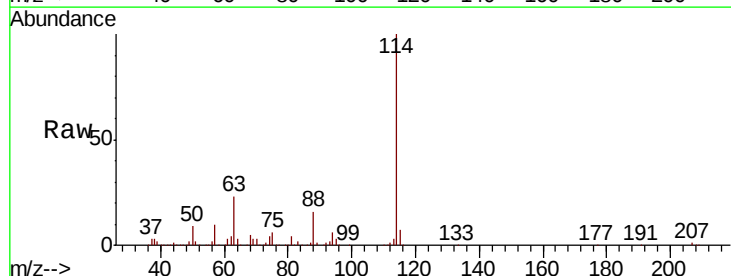
Manual Integrations
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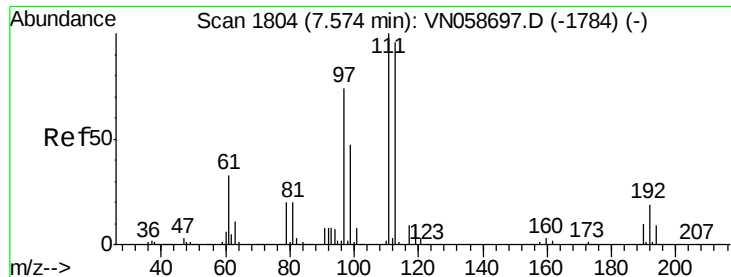
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. -0.00 min
 Lab File: VN058744.D
 Acq: 14 Oct 2019 12:45

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	22.9	0.0	43.8	
88	16.4	0.0	32.0	





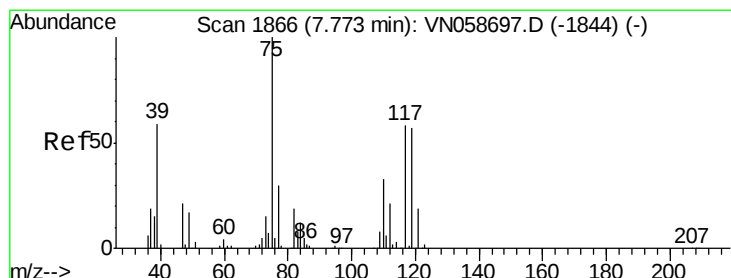
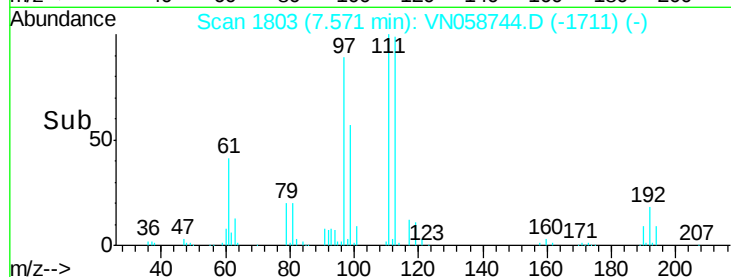
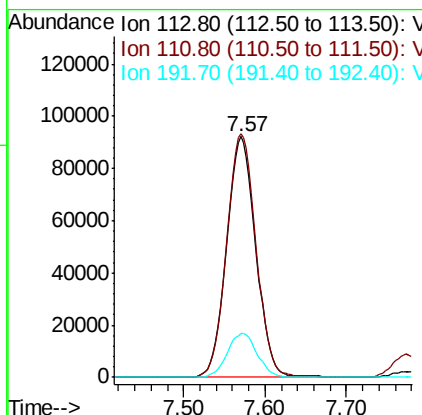
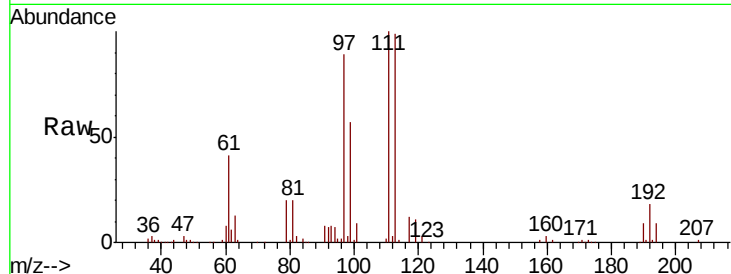
#35
 Dibromofluoromethane
 Concen: 53.533 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VN058744.D
 Acq: 14 Oct 2019 12:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	230664		
111	101.9	82.3	123.5	
192	18.7	15.0	22.6	

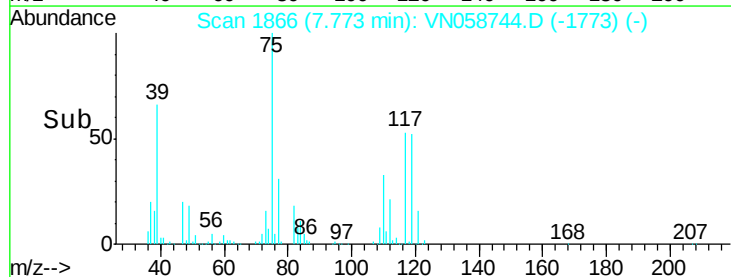
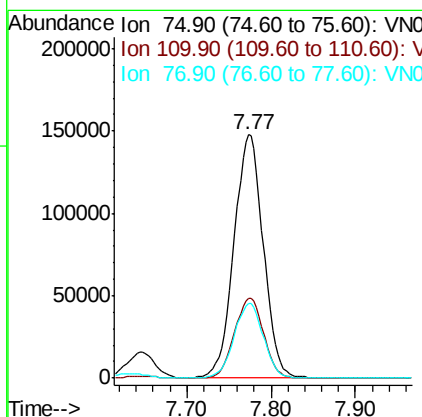
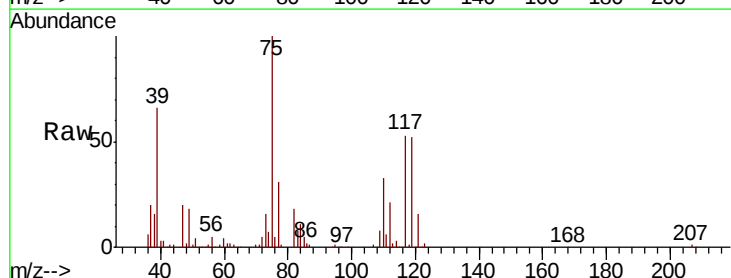
Manual Integrations
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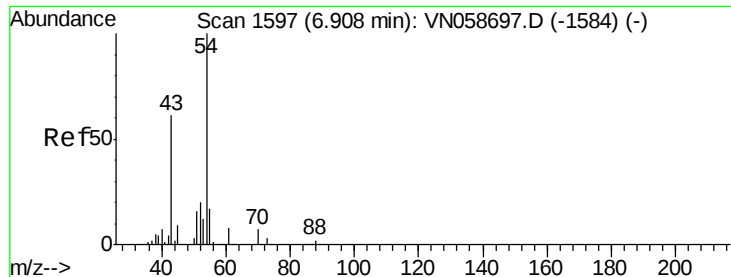
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 10/16/2019 12:56:46 AM



#36
 1,1-Dichloropropene
 Concen: 50.567 ug/l
 RT: 7.77 min Scan# 1866
 Delta R.T. 0.00 min
 Lab File: VN058744.D
 Acq: 14 Oct 2019 12:45

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	356657		
110	33.0	16.6	49.8	
77	31.1	24.6	37.0	





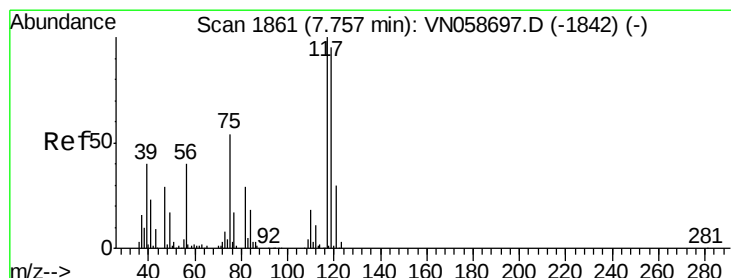
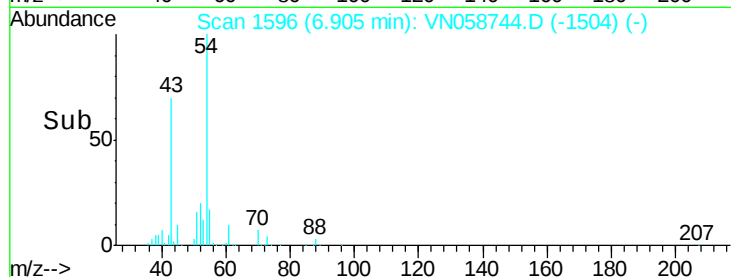
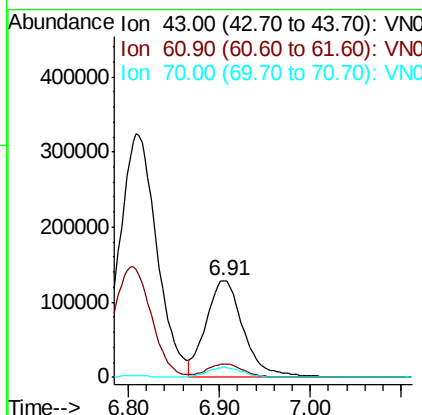
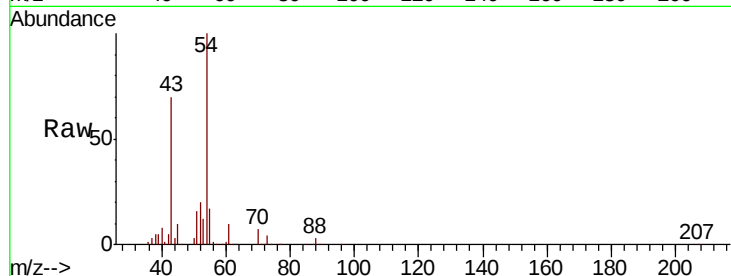
#37
Ethyl Acetate
Concen: 51.020 ug/l
RT: 6.91 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VN058744.D
Acq: 14 Oct 2019 12:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.8	11.3	16.9
70	9.9	7.2	10.8

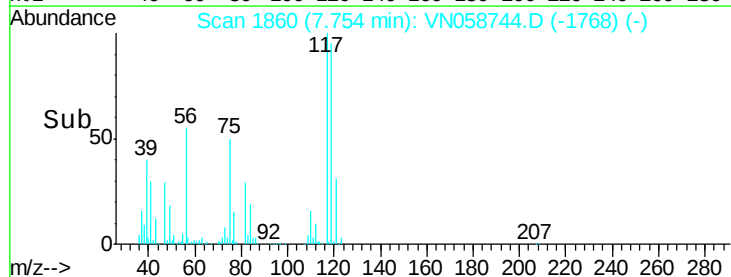
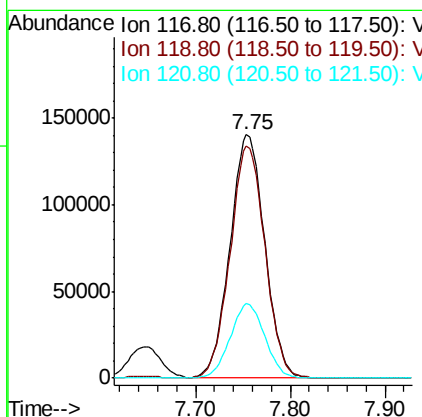
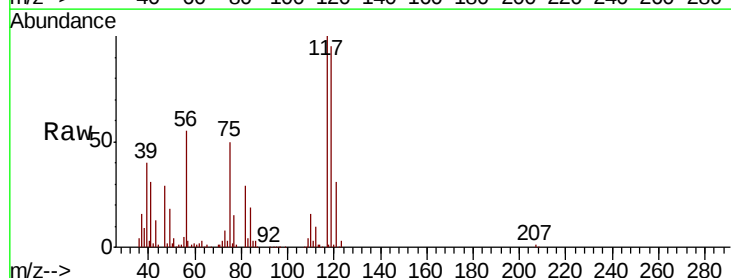
Manual Integrations
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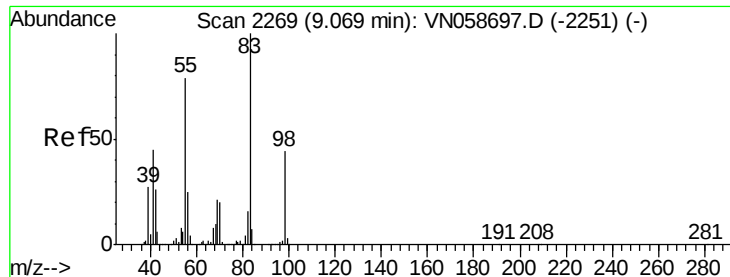
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#38
Carbon Tetrachloride
Concen: 52.175 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VN058744.D
Acq: 14 Oct 2019 12:45

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.1	75.7	113.5
121	30.6	23.9	35.9





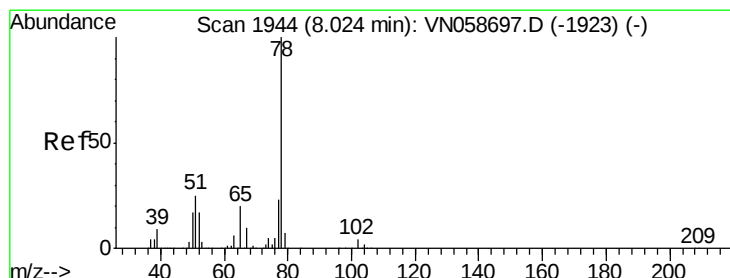
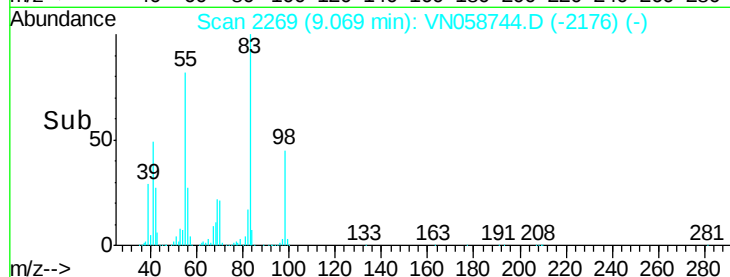
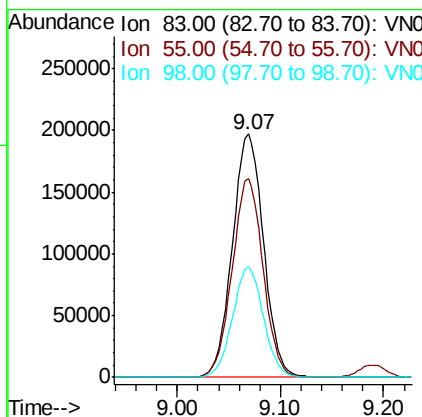
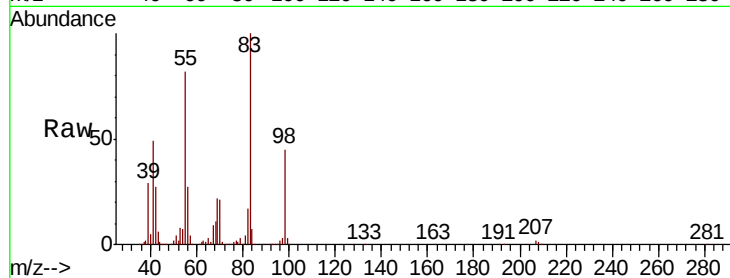
#39
Methvlcvclohexane
Concen: 50.743 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. 0.00 min
Lab File: VN058744.D
Acq: 14 Oct 2019 12:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	81.8	63.4	95.0
98	45.4	35.1	52.7

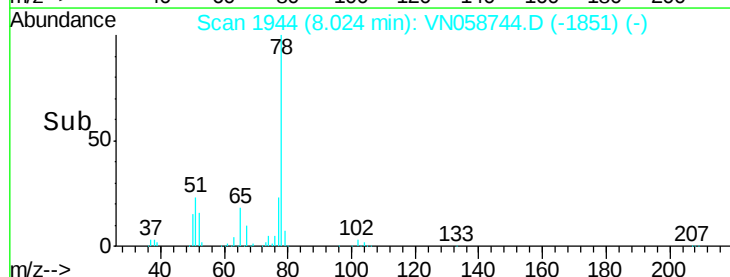
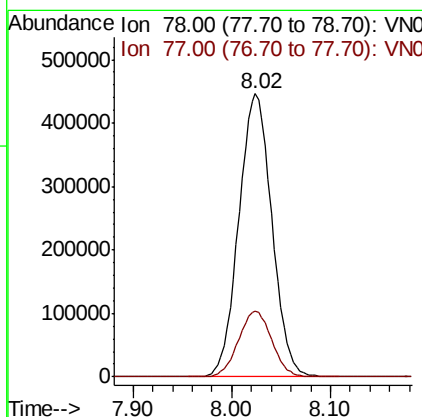
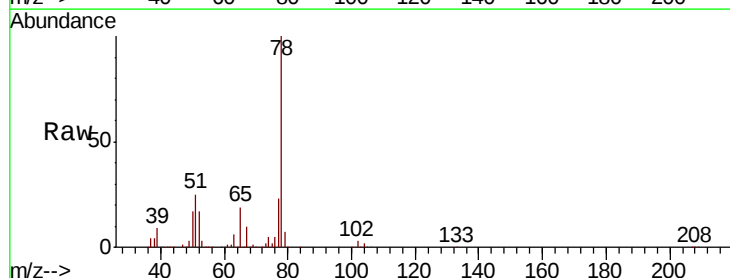
Manual Integrations
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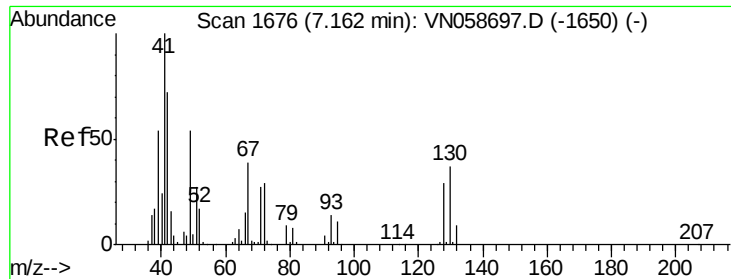
MMDadoda
10/16/2019 12:56:46 AM



#40
Benzene
Concen: 51.142 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN058744.D
Acq: 14 Oct 2019 12:45

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.8	28.2





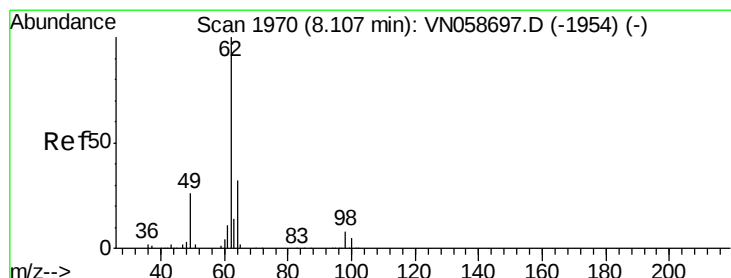
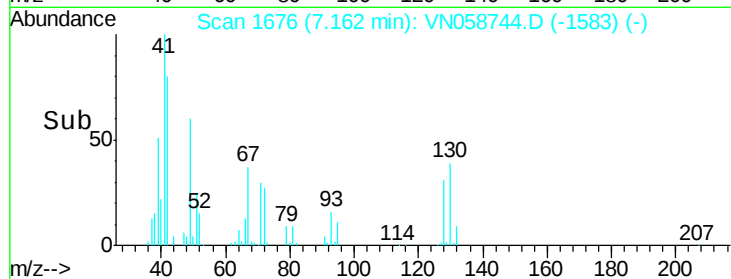
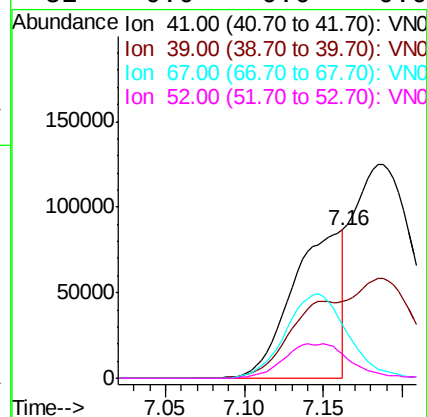
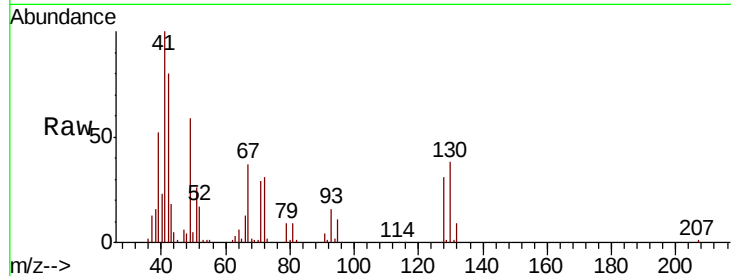
#41
Methacrylonitrile
Concen: 58.245 ug/l m
RT: 7.16 min Scan# 1676
Delta R.T. 0.00 min
Lab File: VN058744.D
Acq: 14 Oct 2019 12:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	41	Resp	194482
Ion Ratio	Lower	Upper	
41	100		
39	0.0	115.4	173.2#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

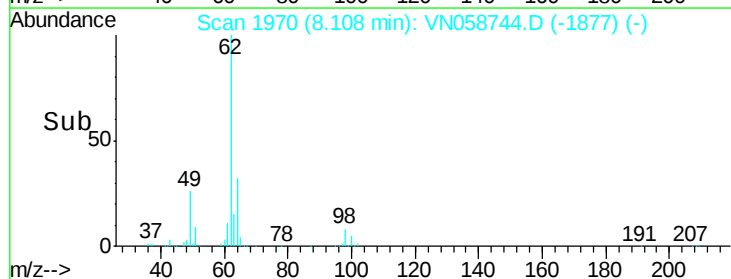
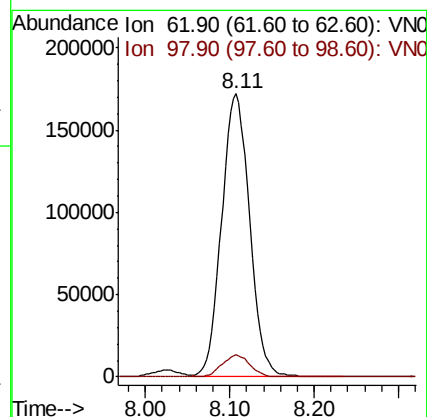
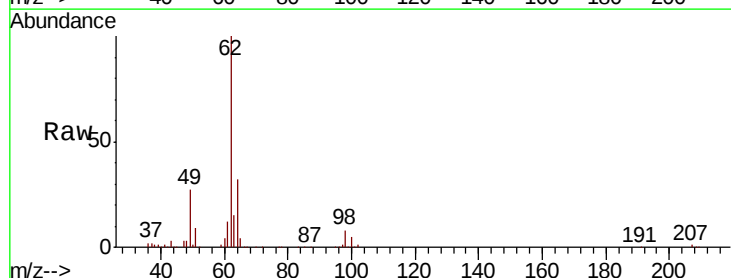
Manual Integrations
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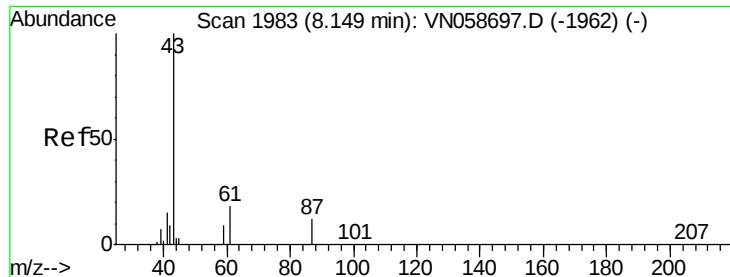
MMDadoda
10/16/2019 12:56:46 AM



#42
1,2-Dichloroethane
Concen: 51.068 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VN058744.D
Acq: 14 Oct 2019 12:45

Tgt Ion	62	Resp	397421
Ion Ratio	Lower	Upper	
62	100		
98	7.6	0.0	15.8





#43

Isopropyl Acetate

Concen: 49.383 ug/l

RT: 8.15 min Scan# 1982

Delta R.T. -0.00 min

Lab File: VN058744.D

Acq: 14 Oct 2019 12:45

Instrument :

MSVOA_N

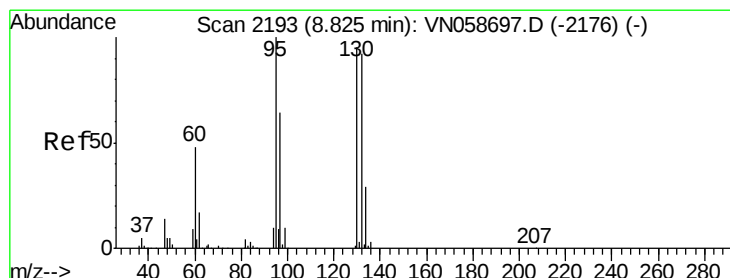
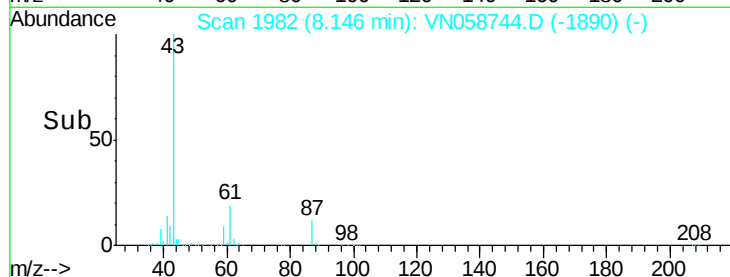
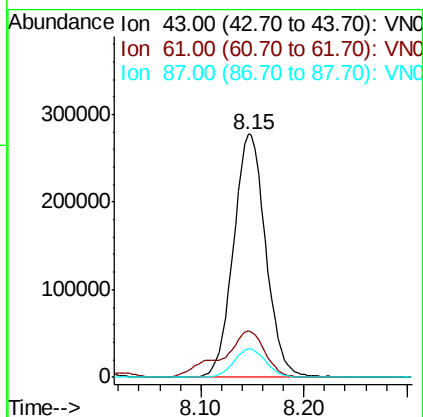
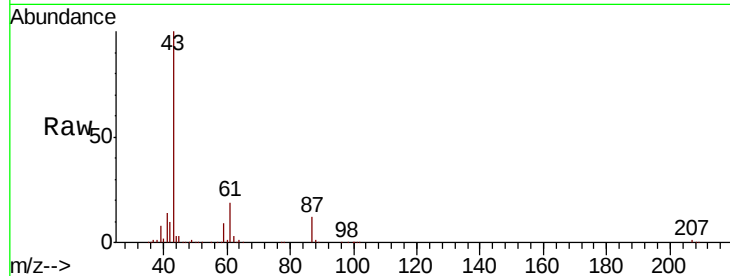
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	600075
Ion	Ratio	Lower	Upper
43	100		
61	25.5	20.3	30.5
87	11.8	9.8	14.6

Manual Integrations
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MMDadoda
10/16/2019 12:56:46 AM



#44

Trichloroethene

Concen: 49.978 ug/l

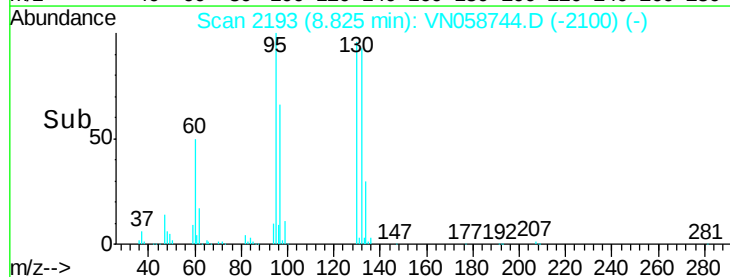
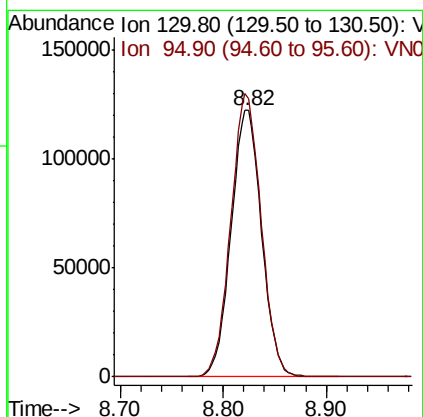
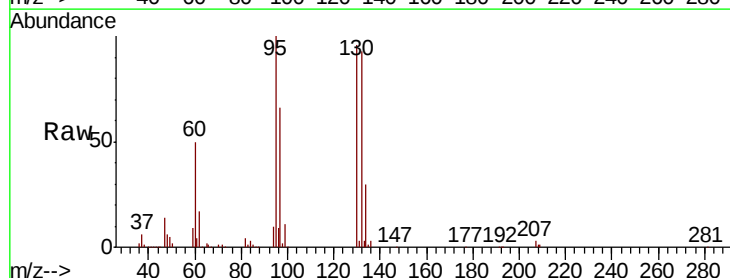
RT: 8.82 min Scan# 2193

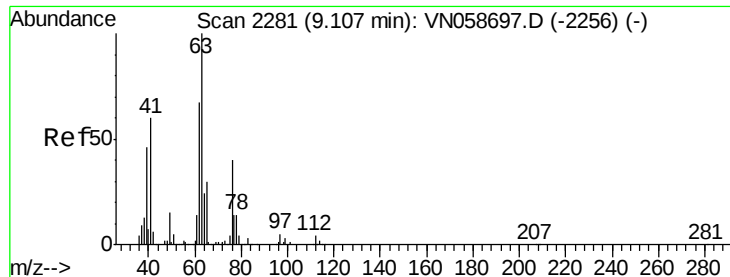
Delta R.T. 0.00 min

Lab File: VN058744.D

Acq: 14 Oct 2019 12:45

Tgt Ion:	130	Resp:	251405
Ion	Ratio	Lower	Upper
130	100		
95	104.3	0.0	211.2





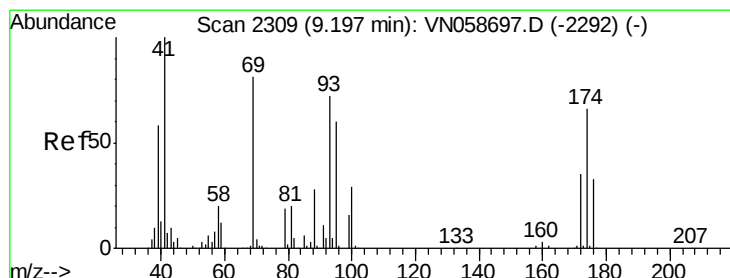
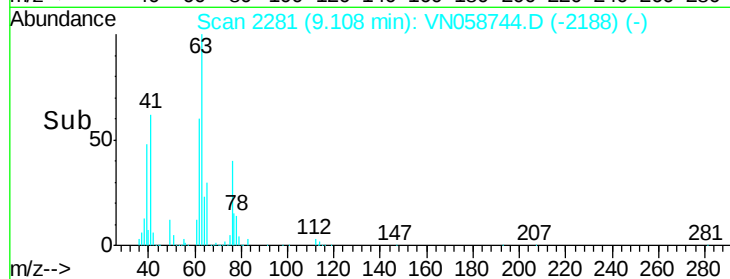
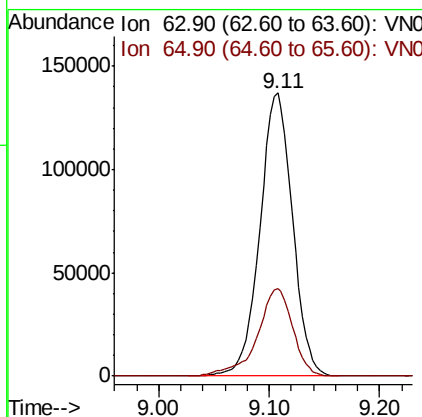
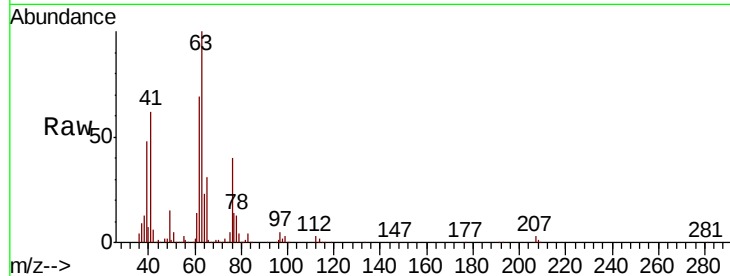
#45
 1,2-Dichloropropane
 Concen: 51.799 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. 0.00 min
 Lab File: VN058744.D
 Acq: 14 Oct 2019 12:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 280890
 Ion Ratio Lower Upper
 63 100
 65 31.0 24.1 36.1

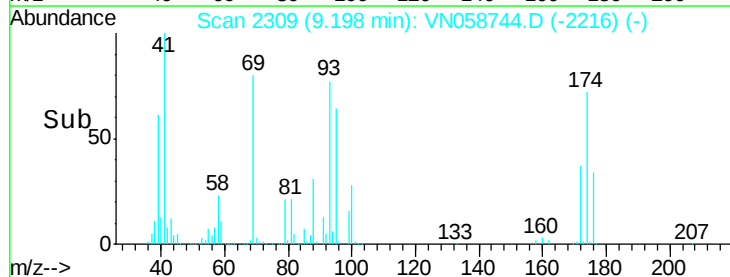
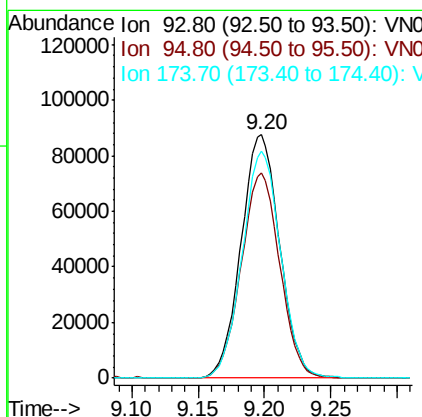
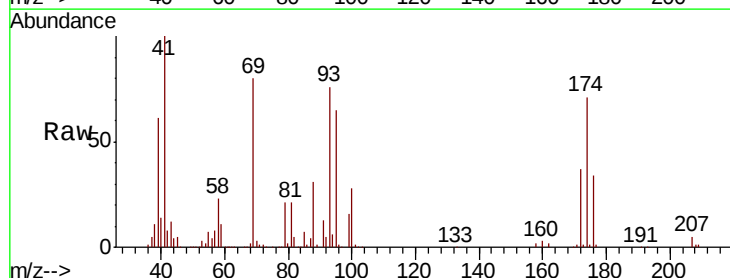
Manual Integrations
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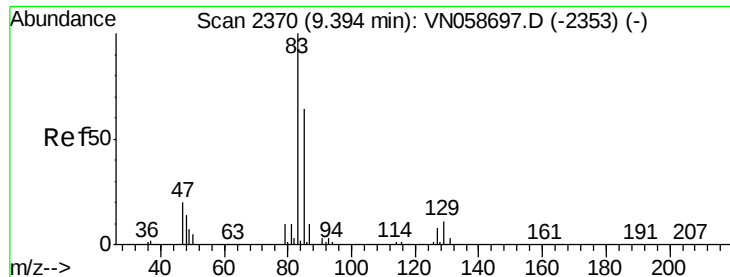
MMDadoda
 10/16/2019 12:56:46 AM



#46
 Dibromomethane
 Concen: 51.592 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. 0.00 min
 Lab File: VN058744.D
 Acq: 14 Oct 2019 12:45

Tgt Ion: 93 Resp: 177376
 Ion Ratio Lower Upper
 93 100
 95 84.5 66.6 100.0
 174 93.1 75.2 112.8





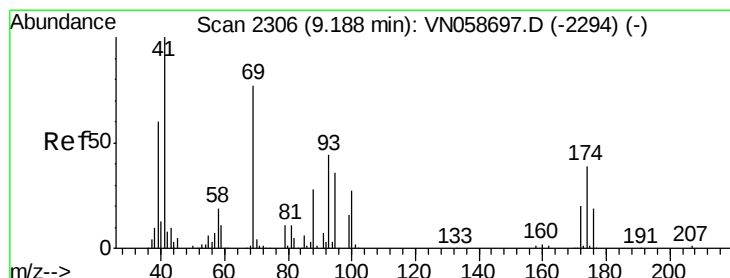
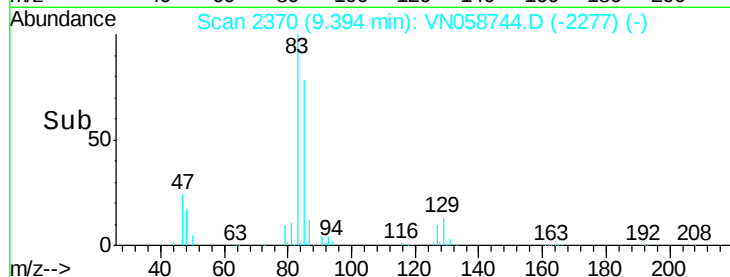
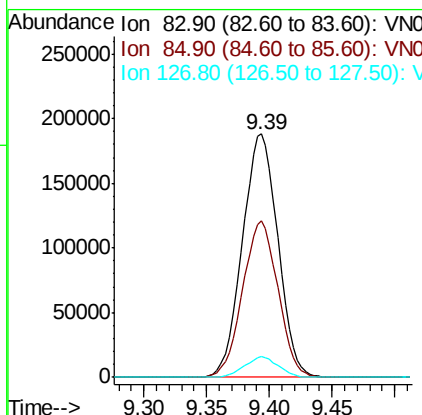
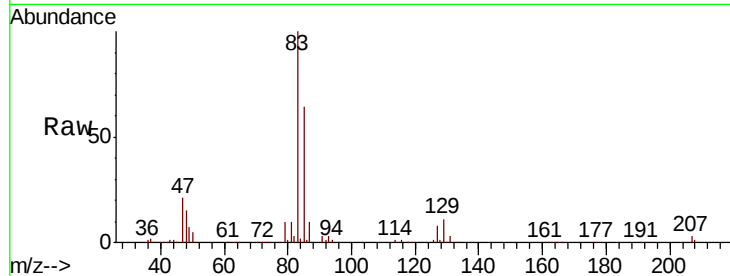
#47
Bromodichloromethane
Concen: 52.974 ug/l
RT: 9.39 min Scan# 2370
Delta R.T. 0.00 min
Lab File: VN058744.D
Acq: 14 Oct 2019 12:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
85	64.1	50.9	76.3
127	8.4	6.3	9.5

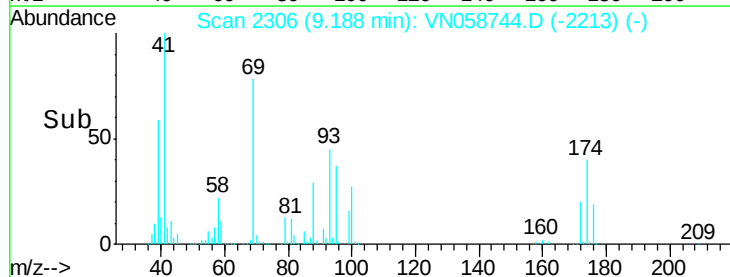
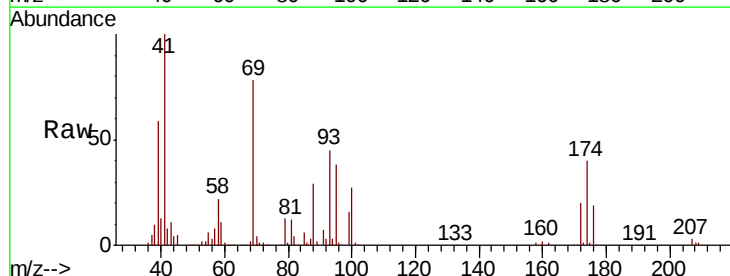
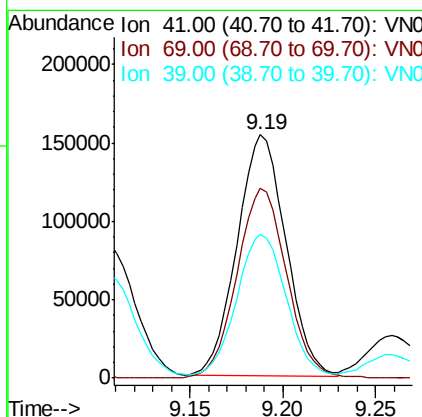
Manual Integrations
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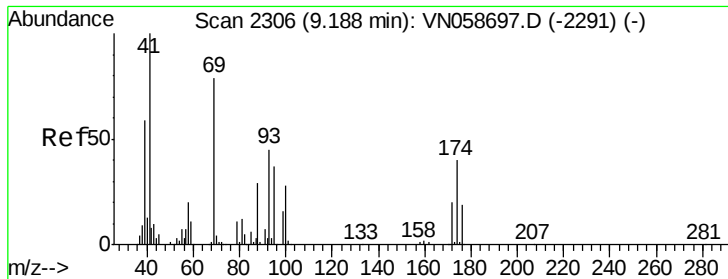
MMDadoda
10/16/2019 12:56:46 AM



#48
Methyl methacrylate
Concen: 50.888 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VN058744.D
Acq: 14 Oct 2019 12:45

Tgt Ion	Ratio	Lower	Upper
41	100		
69	80.8	63.4	95.2
39	61.1	48.9	73.3





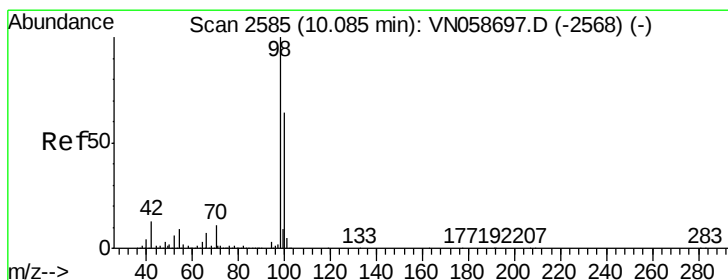
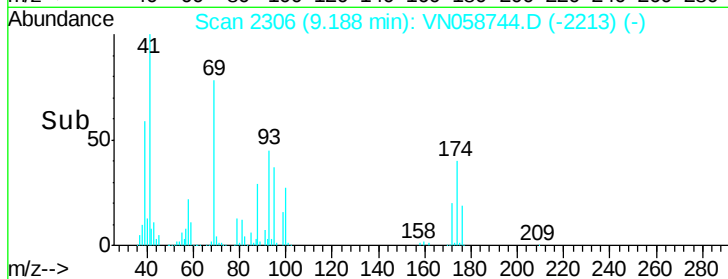
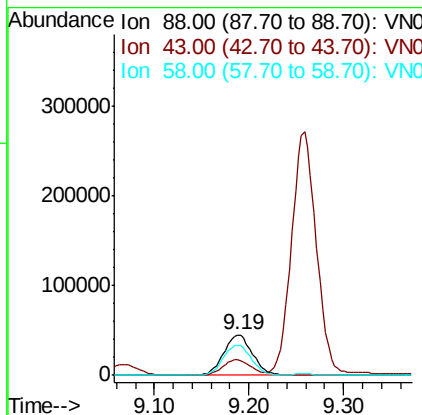
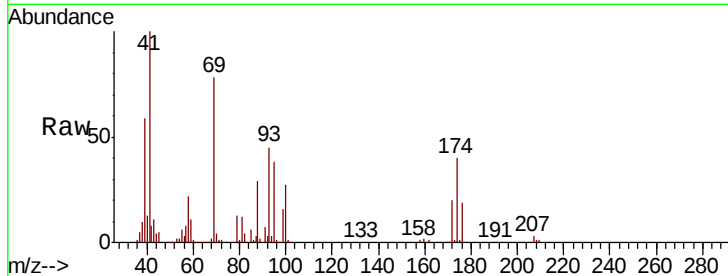
#49
1,4-Dioxane
Concen: 1119.667 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VN058744.D
Acq: 14 Oct 2019 12:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.2	28.6	43.0
58	73.6	57.2	85.8

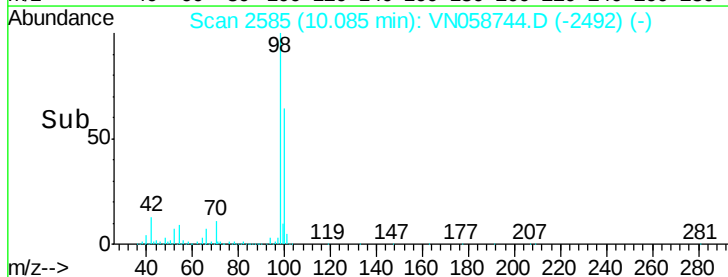
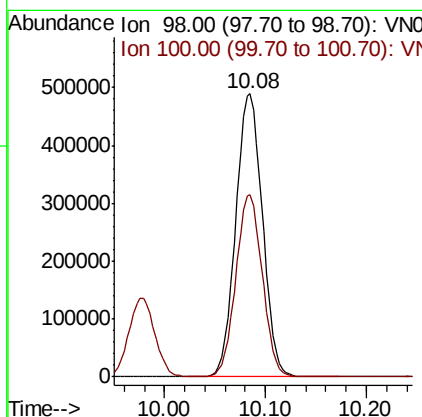
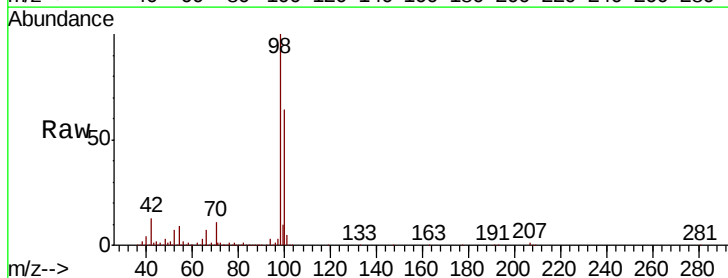
Manual Integrations
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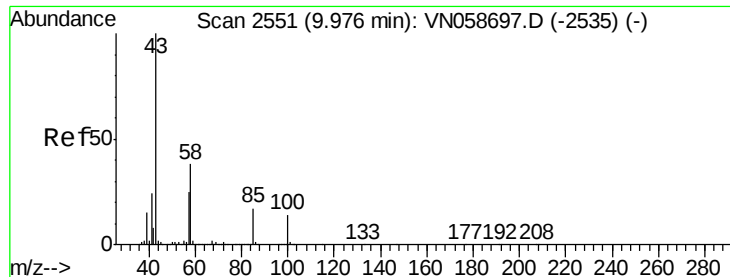
MMDadoda
10/16/2019 12:56:46 AM



#50
Toluene-d8
Concen: 52.117 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN058744.D
Acq: 14 Oct 2019 12:45

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.6	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 271.132 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VN058744.D

Acq: 14 Oct 2019 12:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1850315

Ion Ratio Lower Upper

43 100

58 37.4

30.3

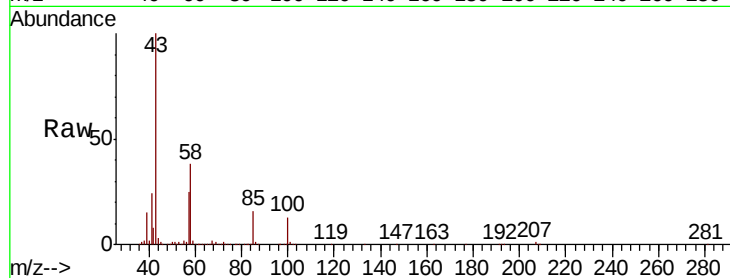
45.5

Manual Integrations

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MMDadoda

10/16/2019 12:56:46 AM



Abundance Ion 43.00 (42.70 to 43.70): VN058697.D (-2535) (-)

Ion 58.00 (57.70 to 58.70): VN058697.D (-2535) (-)

1200000

1000000

800000

600000

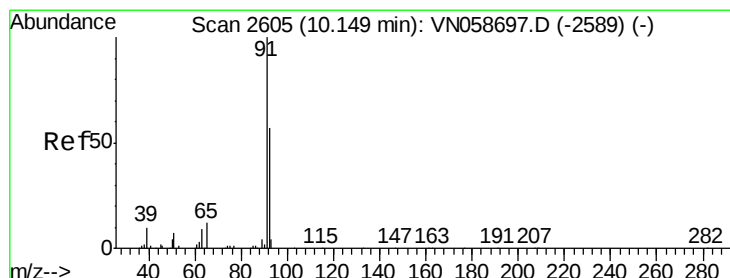
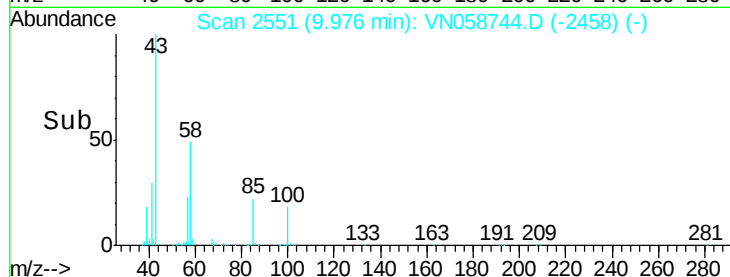
400000

200000

0

9.90 9.98 10.00 10.10

Time-->



#52

Toluene

Concen: 51.950 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN058744.D

Acq: 14 Oct 2019 12:45

Tgt Ion: 92 Resp: 643622

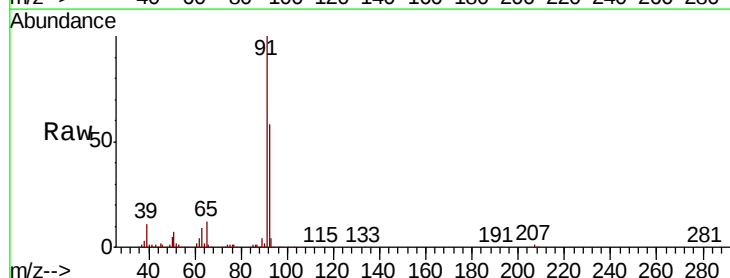
Ion Ratio Lower Upper

92 100

91 173.9

139.1

208.7



Abundance Ion 92.00 (91.70 to 92.70): VN058697.D (-2589) (-)

Ion 91.00 (90.70 to 91.70): VN058697.D (-2589) (-)

600000

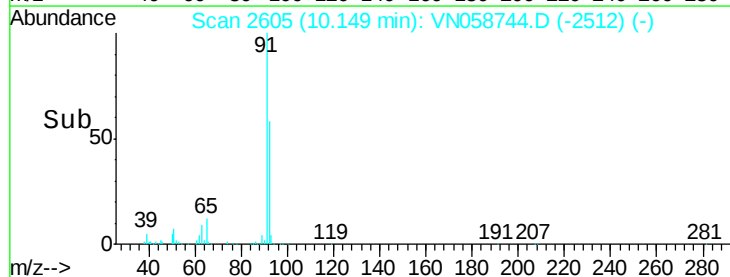
400000

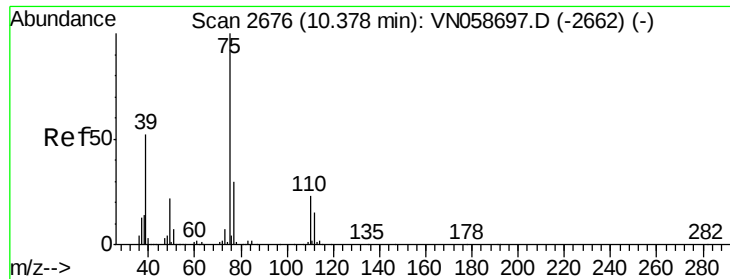
200000

0

10.10 10.15 10.20

Time-->





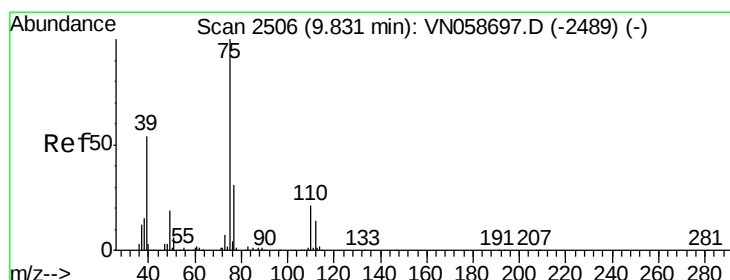
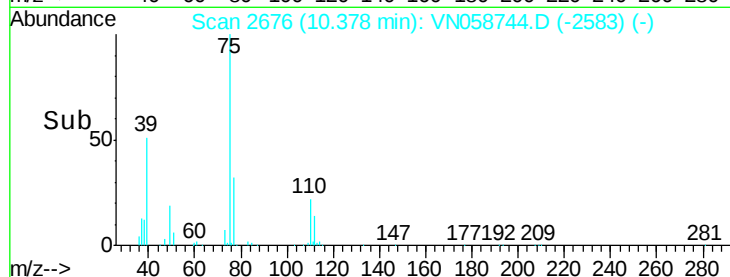
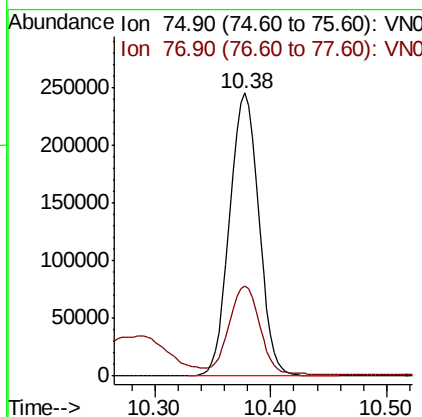
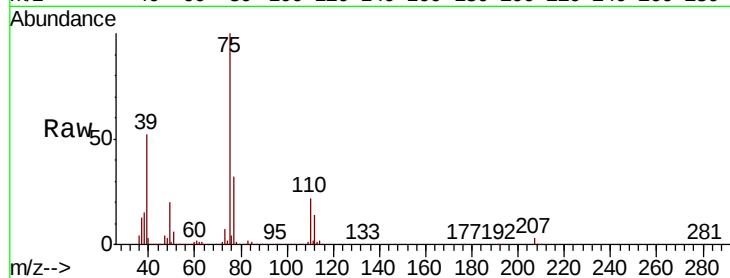
#53
t-1,3-Dichloropropene
Concen: 53.083 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VN058744.D
Acq: 14 Oct 2019 12:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 426240
Ion Ratio Lower Upper
75 100
77 31.5 26.2 39.4

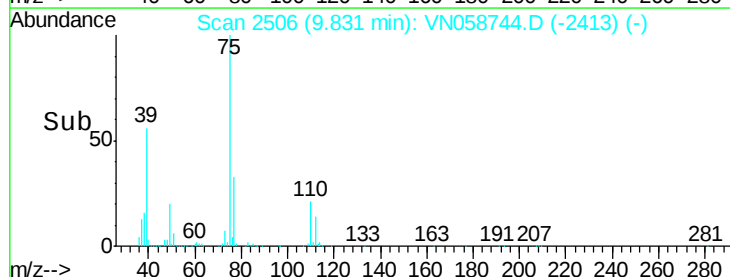
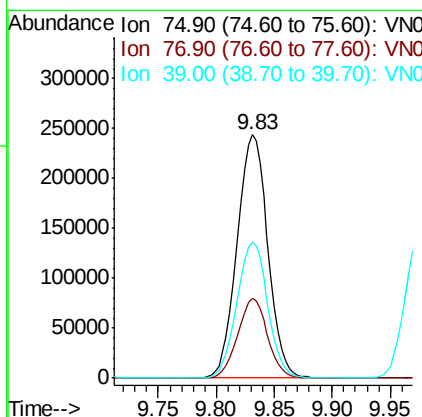
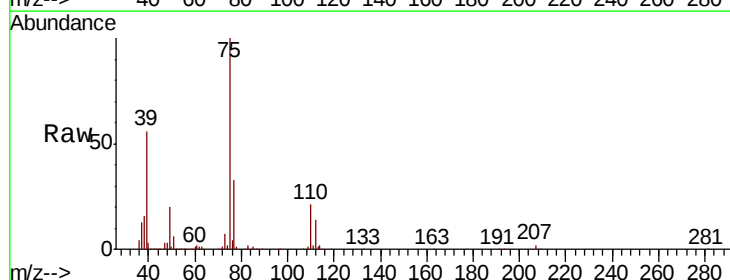
Manual Integrations
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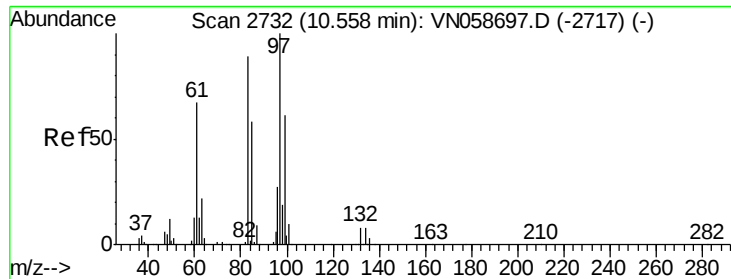
MMDadoda
10/16/2019 12:56:46 AM



#54
cis-1,3-Dichloropropene
Concen: 52.559 ug/l
RT: 9.83 min Scan# 2506
Delta R.T. 0.00 min
Lab File: VN058744.D
Acq: 14 Oct 2019 12:45

Tgt Ion: 75 Resp: 448091
Ion Ratio Lower Upper
75 100
77 32.8 24.4 36.6
39 55.9 43.1 64.7





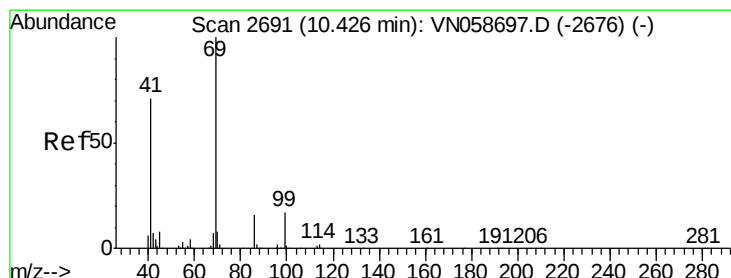
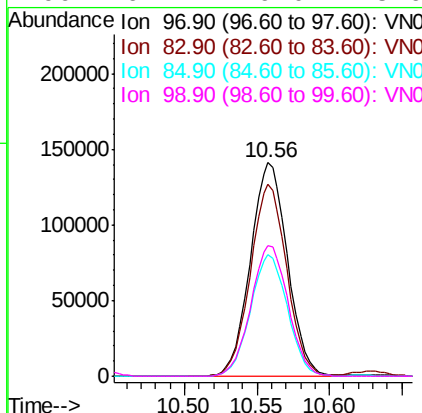
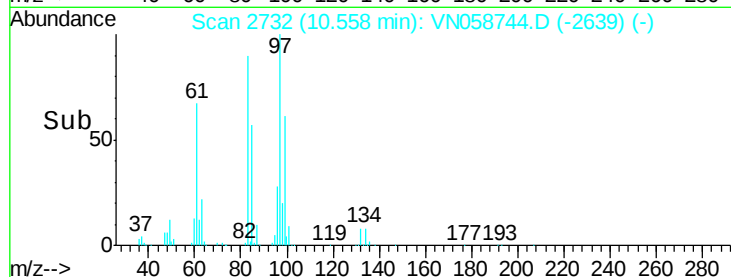
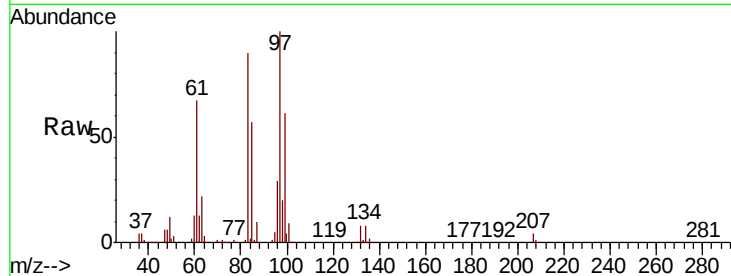
#55
 1,1,2-Trichloroethane
 Concen: 49.619 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. 0.00 min
 Lab File: VN058744.D
 Acq: 14 Oct 2019 12:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	251610
Ion	Ratio	Lower	Upper
97	100		
83	90.0	71.2	106.8
85	56.7	46.7	70.1
99	61.4	49.0	73.6

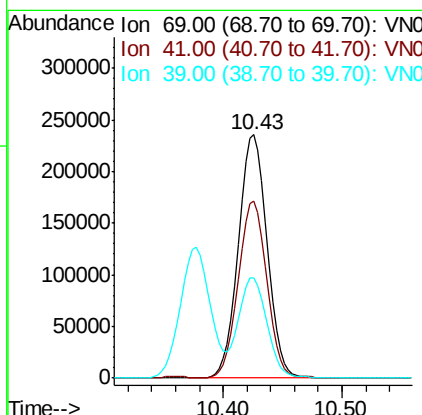
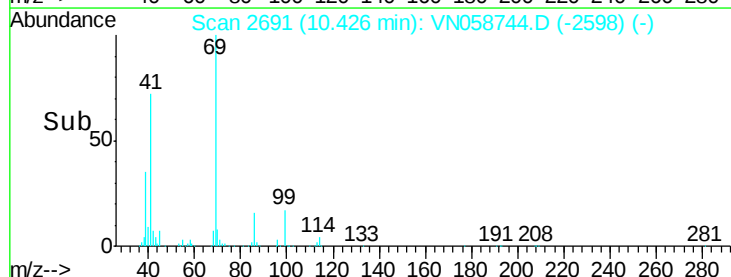
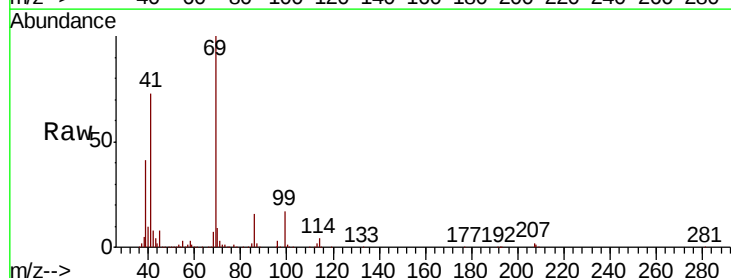
Manual Integrations
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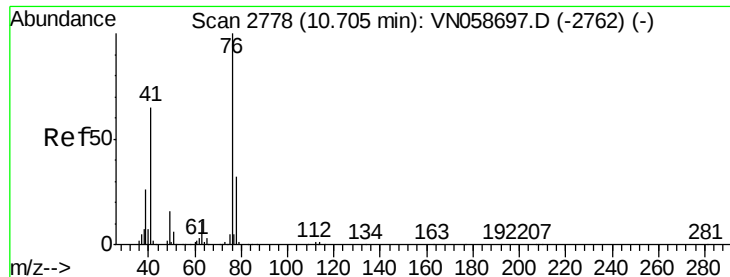
MMDadoda
 10/16/2019 12:56:46 AM



#56
 Ethyl methacrylate
 Concen: 53.314 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. 0.00 min
 Lab File: VN058744.D
 Acq: 14 Oct 2019 12:45

Tgt Ion:	69	Resp:	394954
Ion	Ratio	Lower	Upper
69	100		
41	71.5	56.8	85.2
39	40.5	32.5	48.7





#57

1,3-Dichloropropane

Concen: 51.059 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. -0.00 min

Lab File: VN058744.D

Acq: 14 Oct 2019 12:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 441206

Ion Ratio Lower Upper

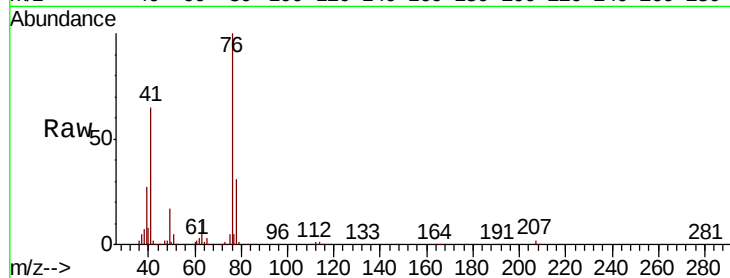
76 100

78 31.7 25.9 38.9

Manual Integrations
APPROVED

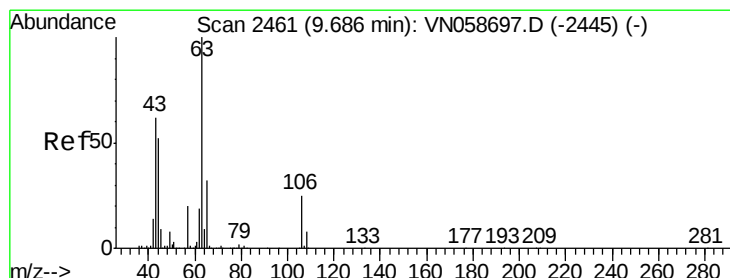
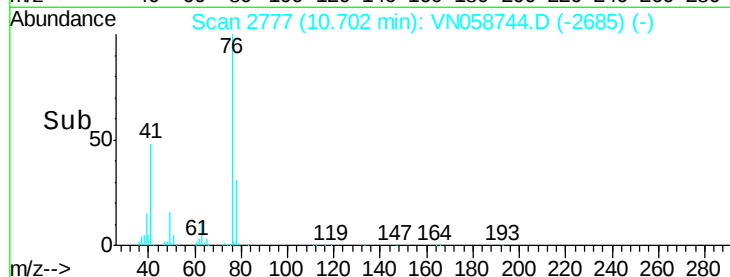
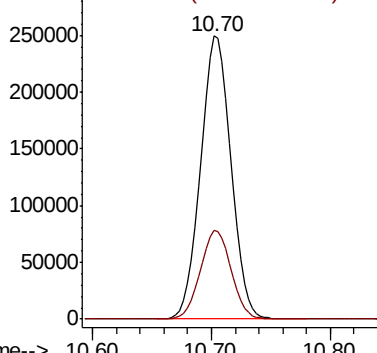
MMDadoda

10/16/2019 12:56:46 AM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 258.896 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. 0.00 min

Lab File: VN058744.D

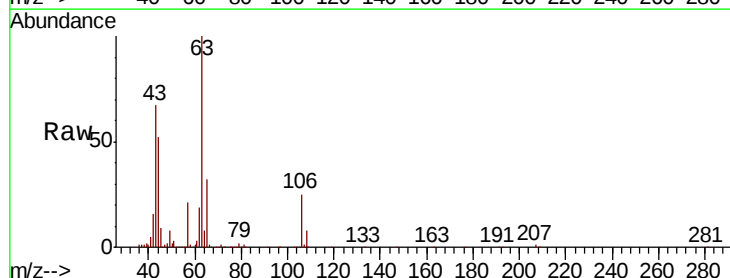
Acq: 14 Oct 2019 12:45

Tgt Ion: 63 Resp: 924292

Ion Ratio Lower Upper

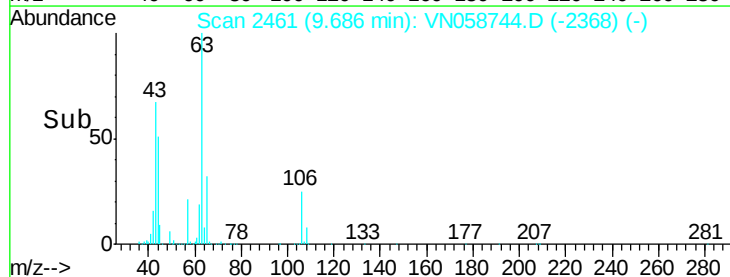
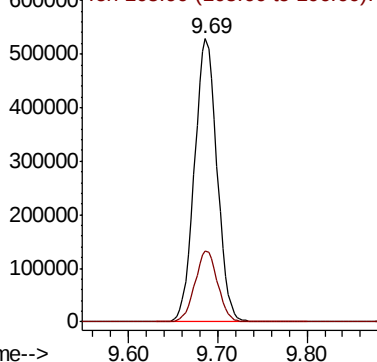
63 100

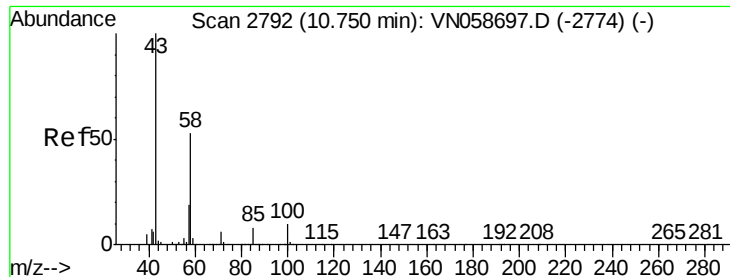
106 25.1 20.0 30.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





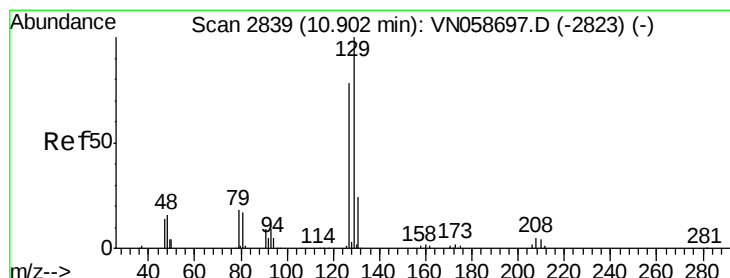
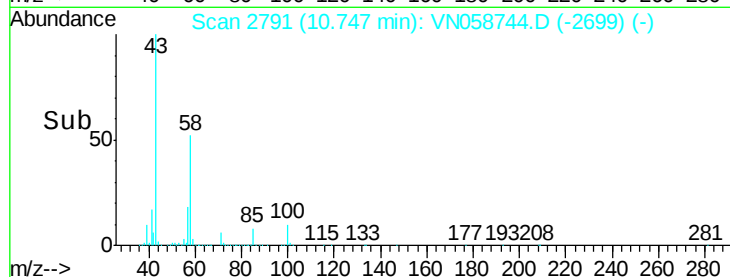
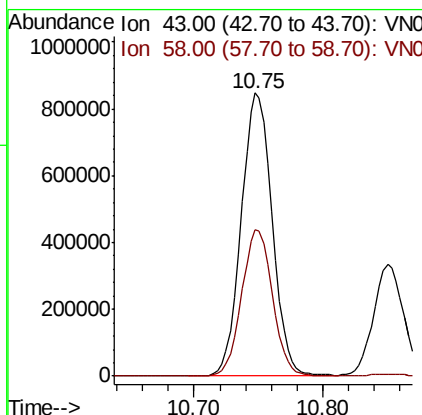
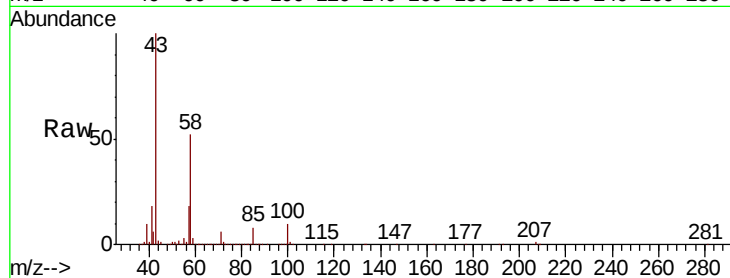
#59
2-Hexanone
Concen: 268.325 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. -0.00 min
Lab File: VN058744.D
Acq: 14 Oct 2019 12:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1415127
Ion Ratio Lower Upper
43 100
58 51.6 26.1 78.3

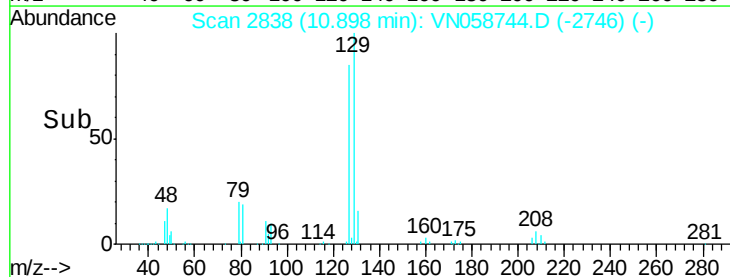
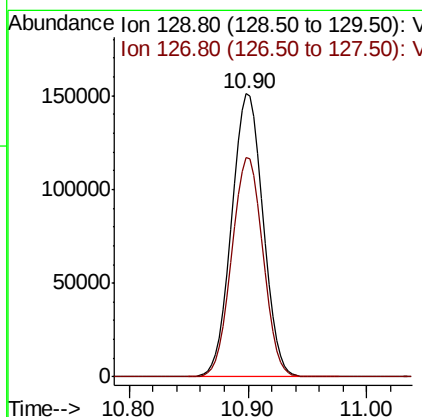
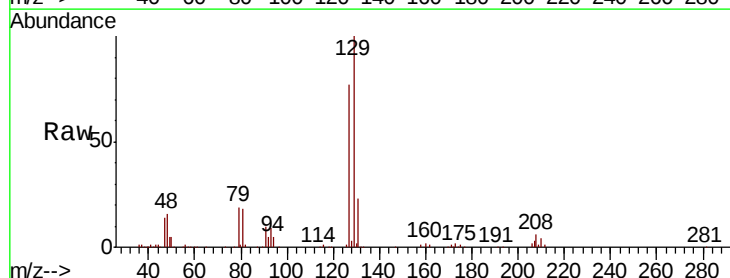
Manual Integrations
APPROVED

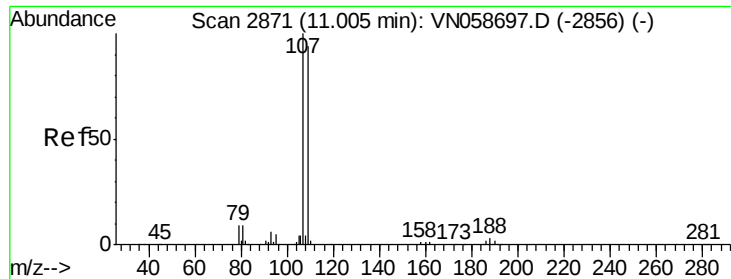
MMDadoda
10/16/2019 12:56:46 AM



#60
Dibromochloromethane
Concen: 53.026 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. -0.00 min
Lab File: VN058744.D
Acq: 14 Oct 2019 12:45

Tgt Ion: 129 Resp: 277377
Ion Ratio Lower Upper
129 100
127 77.1 38.5 115.3





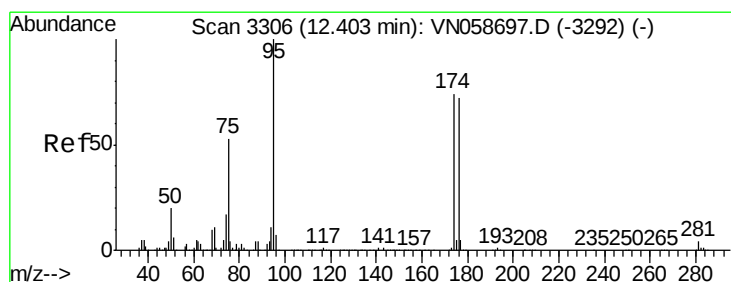
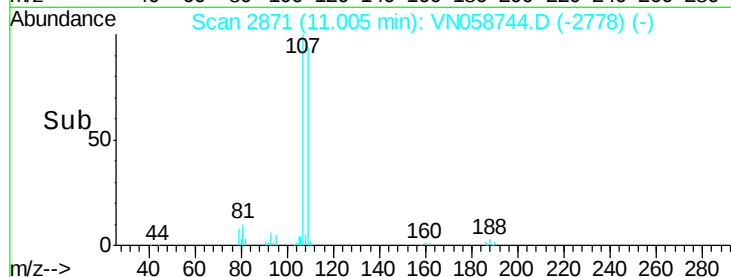
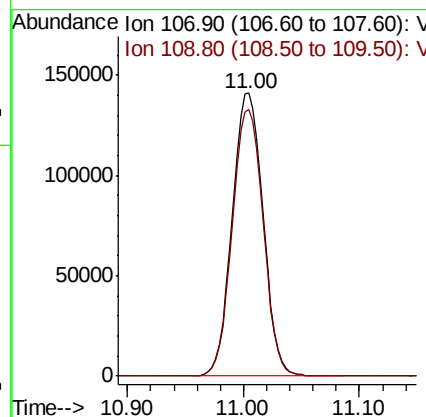
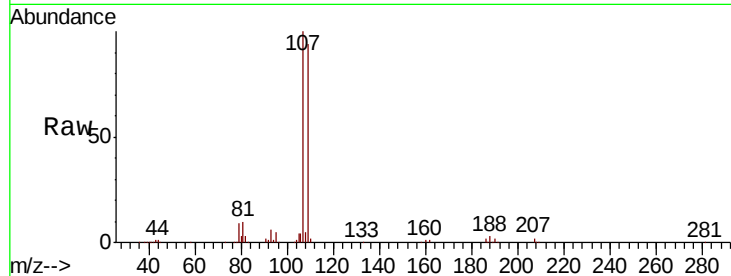
#61
 1,2-Dibromoethane
 Concen: 50.964 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN058744.D
 Acq: 14 Oct 2019 12:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.6	75.4	113.0

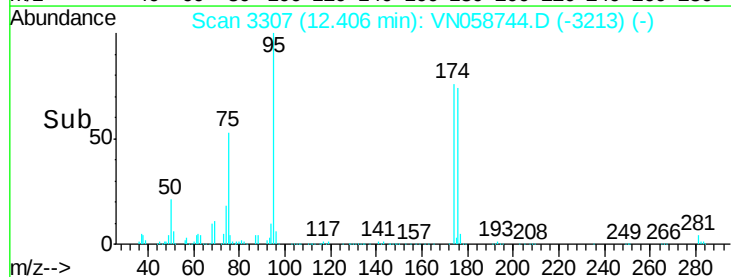
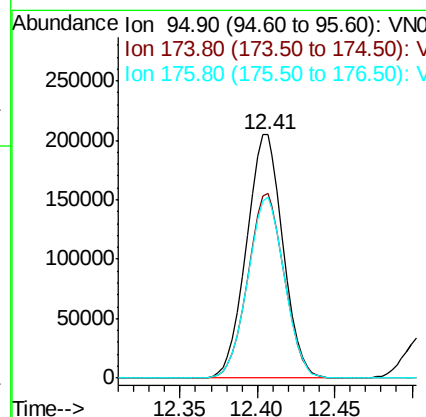
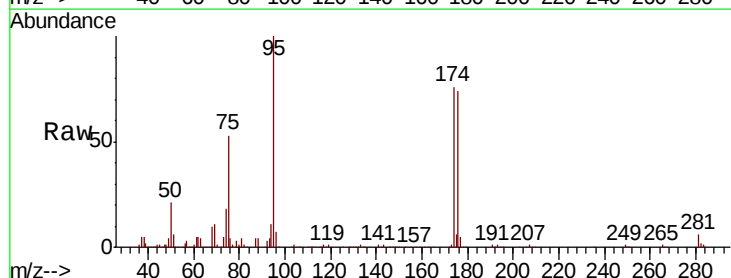
Manual Integrations
 APPROVED

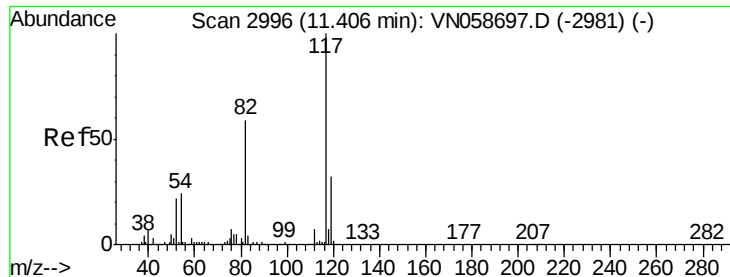
MMDadoda
 10/16/2019 12:56:46 AM



#62
 4-Bromofluorobenzene
 Concen: 51.582 ug/l
 RT: 12.41 min Scan# 3307
 Delta R.T. 0.00 min
 Lab File: VN058744.D
 Acq: 14 Oct 2019 12:45

Tgt Ion	Ratio	Lower	Upper
95	100		
174	76.0	0.0	150.4
176	74.9	0.0	146.8





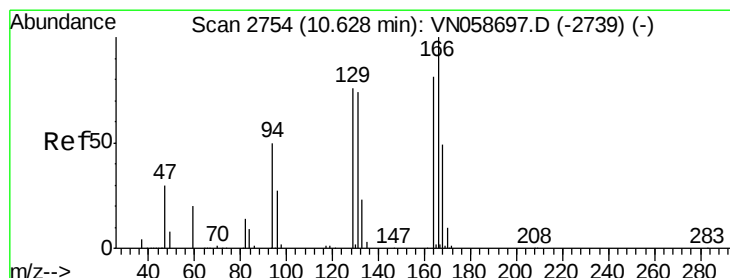
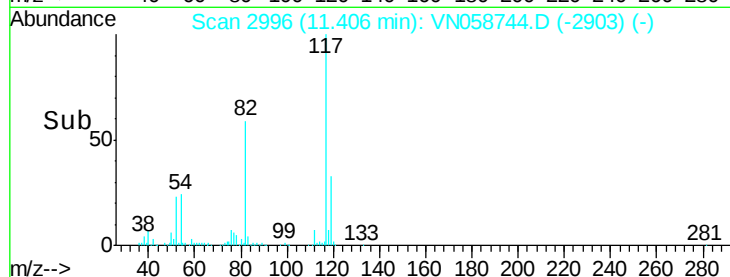
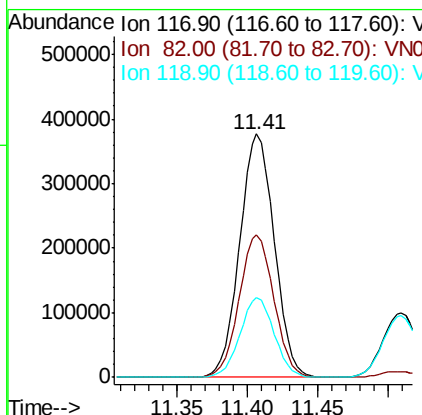
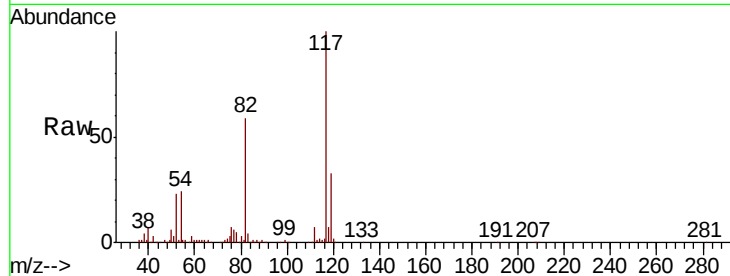
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058744.D
Acq: 14 Oct 2019 12:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	649606		
82	58.7		47.0	70.4
119	32.7		25.4	38.2

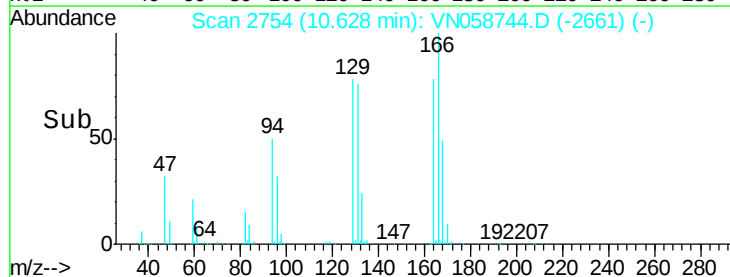
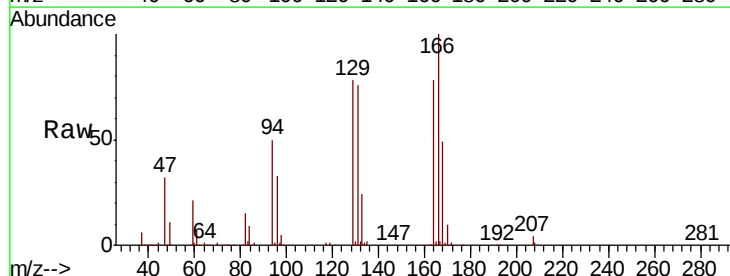
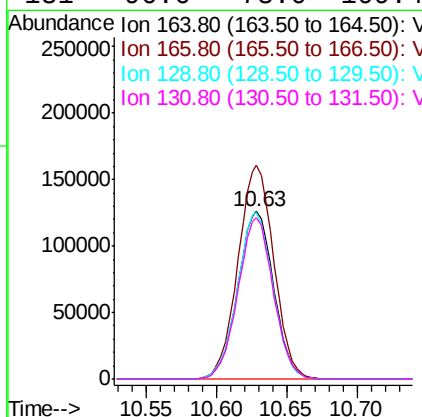
Manual Integrations
APPROVED

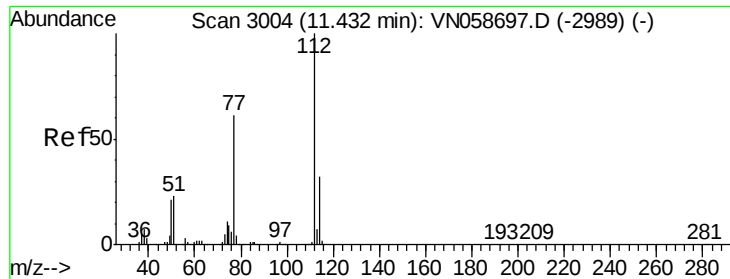
MMDadoda
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#64
Tetrachloroethene
Concen: 49.299 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN058744.D
Acq: 14 Oct 2019 12:45

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	224119		
166	127.6		99.3	148.9
129	99.1		75.2	112.8
131	96.6		73.0	109.4





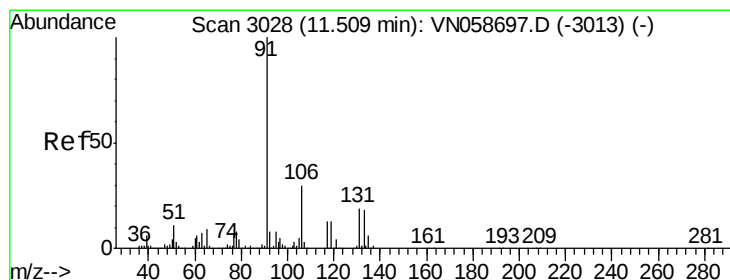
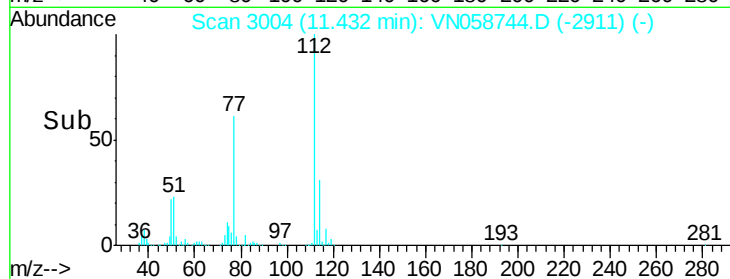
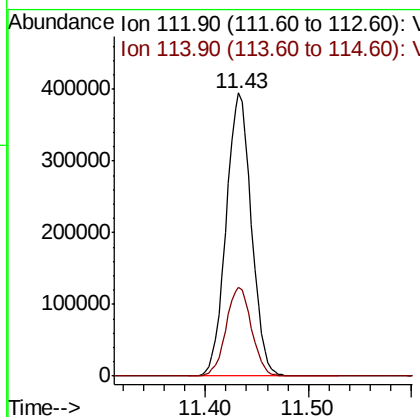
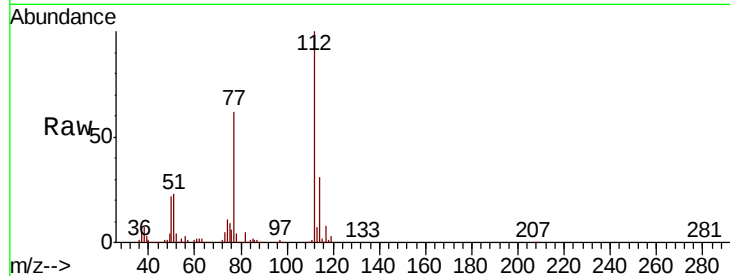
#65
Chlorobenzene
Concen: 51.059 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN058744.D
Acq: 14 Oct 2019 12:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 673575
Ion Ratio Lower Upper
112 100
114 31.4 25.2 37.8

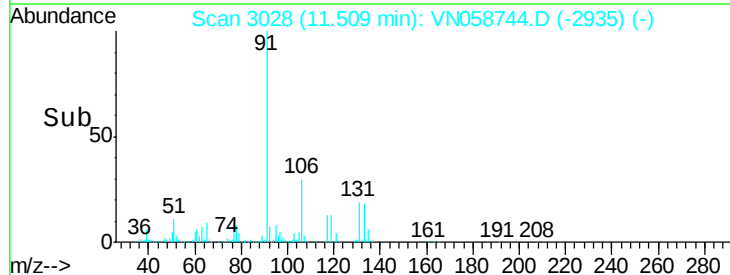
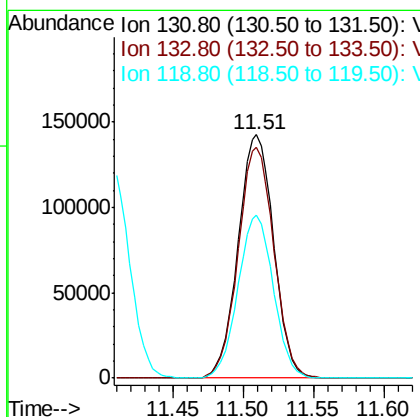
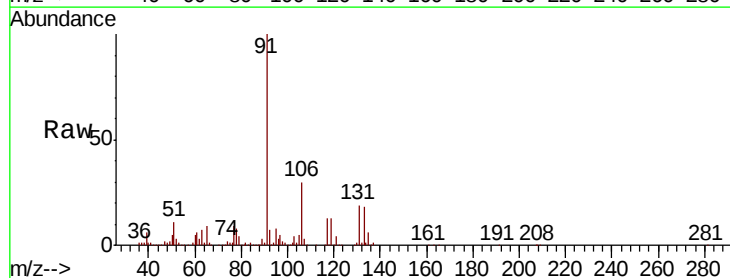
Manual Integrations
APPROVED

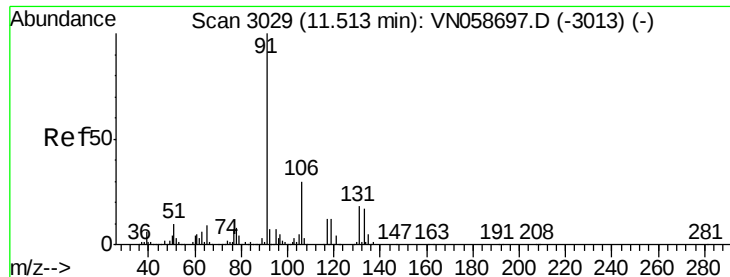
MMDadoda
10/16/2019 12:56:46 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 51.554 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN058744.D
Acq: 14 Oct 2019 12:45

Tgt Ion:131 Resp: 251485
Ion Ratio Lower Upper
131 100
133 95.6 47.6 142.9
119 66.9 33.0 98.9





#67

Ethyl Benzene

Concen: 53.265 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN058744.D

Acq: 14 Oct 2019 12:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1252583

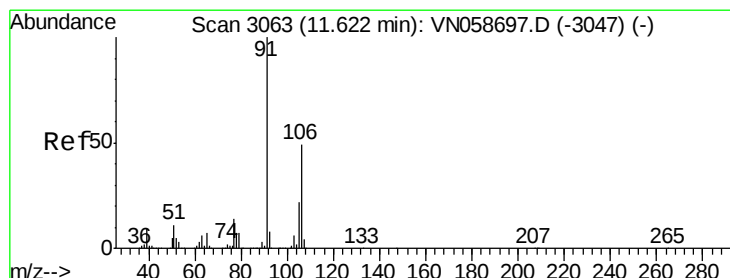
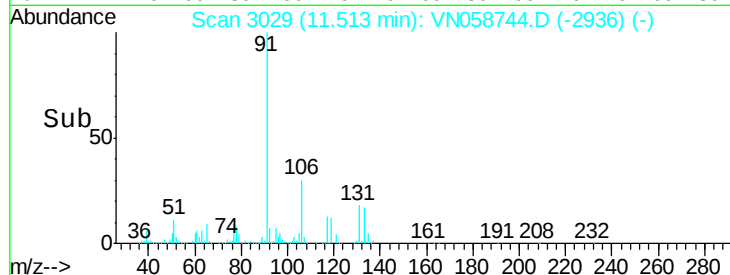
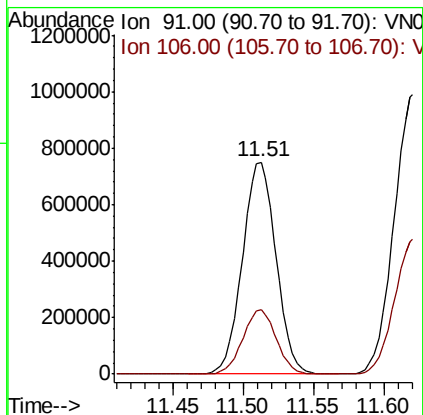
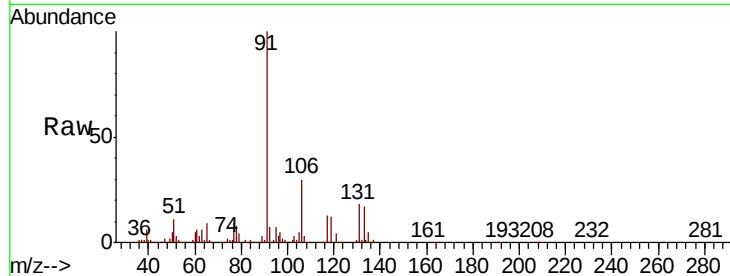
Ion Ratio Lower Upper

91 100

106 30.4 24.1 36.1

Manual Integrations
APPROVED

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#68

m/p-Xylenes

Concen: 105.885 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN058744.D

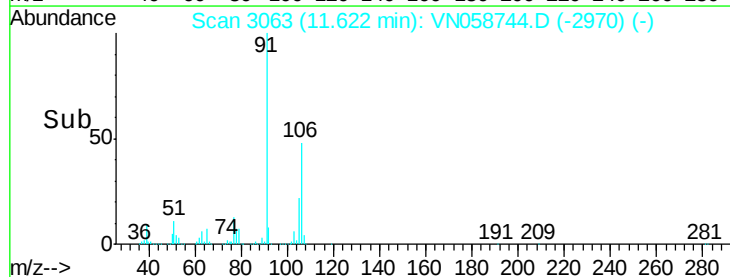
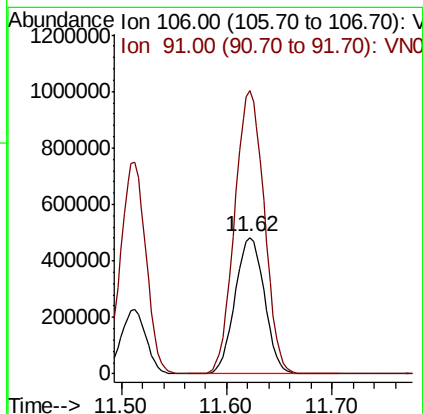
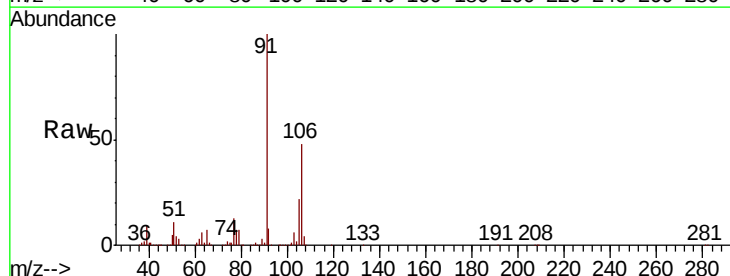
Acq: 14 Oct 2019 12:45

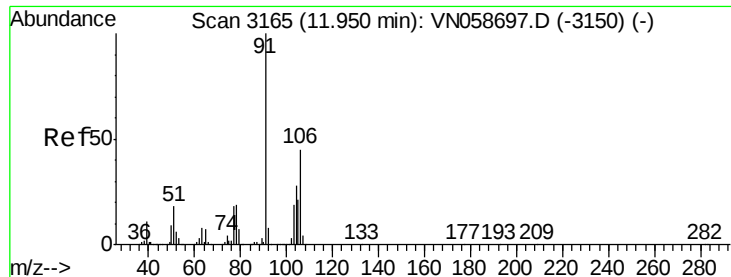
Tgt Ion: 106 Resp: 934427

Ion Ratio Lower Upper

106 100

91 208.4 165.7 248.5





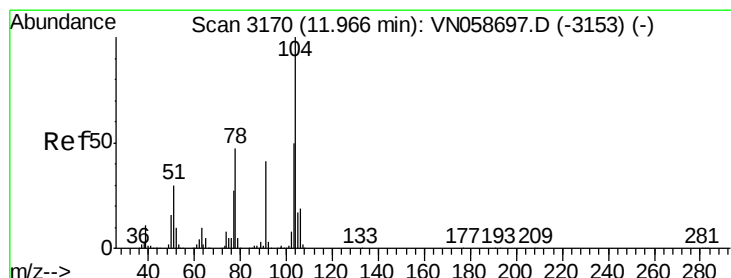
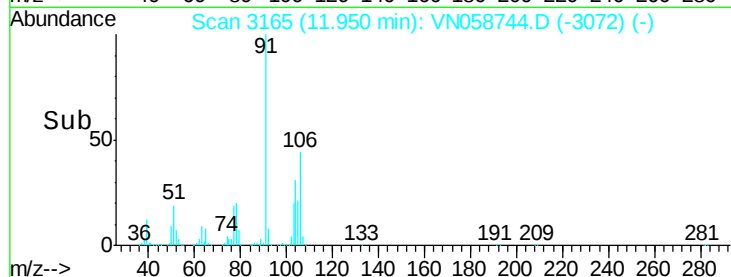
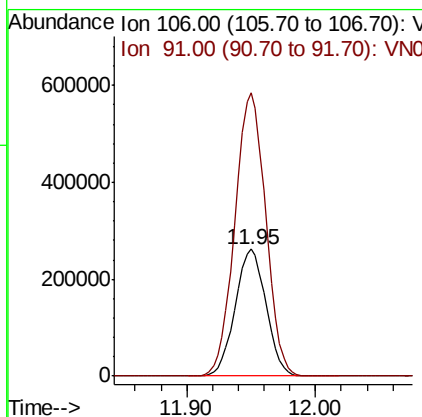
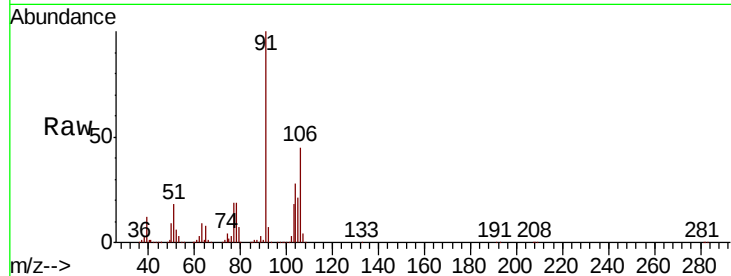
#69
o-Xylene
Concen: 51.082 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058744.D
Acq: 14 Oct 2019 12:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	223.1	110.9	332.9

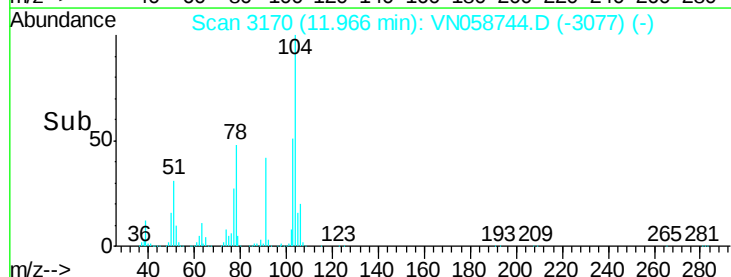
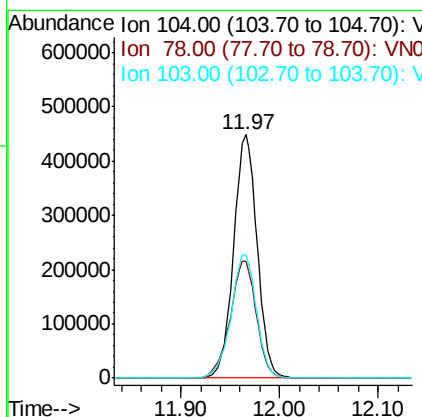
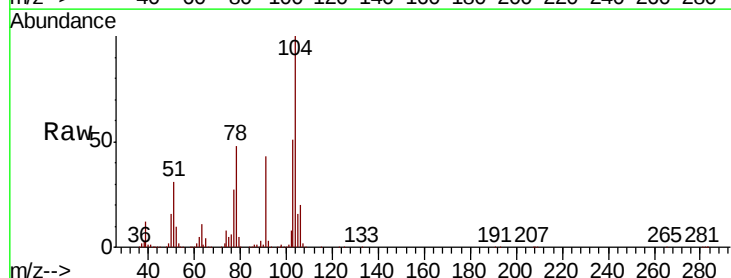
Manual Integrations
APPROVED

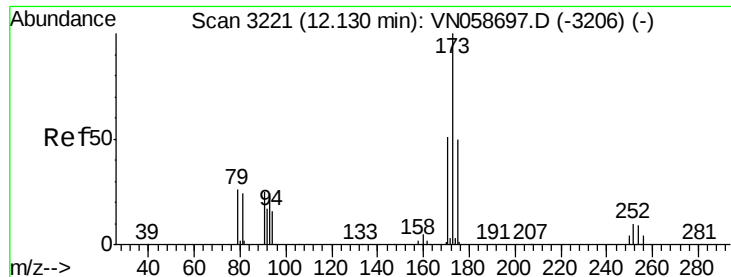
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#70
Styrene
Concen: 53.193 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058744.D
Acq: 14 Oct 2019 12:45

Tgt Ion	Ratio	Lower	Upper
104	100		
78	53.3	42.2	63.2
103	54.9	43.7	65.5





#71

Bromoform

Concen: 52.806 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. 0.00 min

Lab File: VN058744.D

Acq: 14 Oct 2019 12:45

Instrument :

MSVOA_N

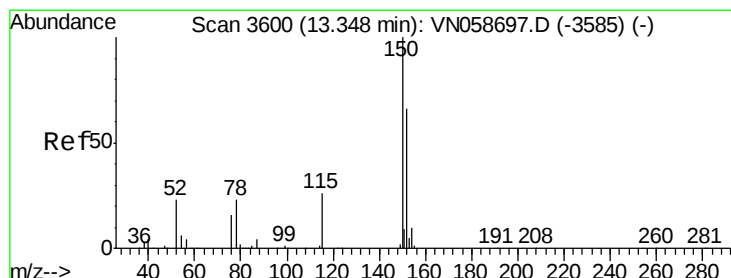
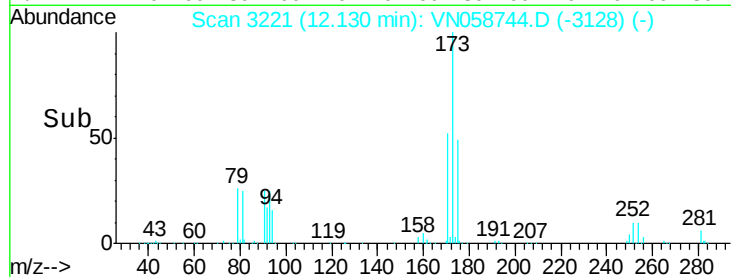
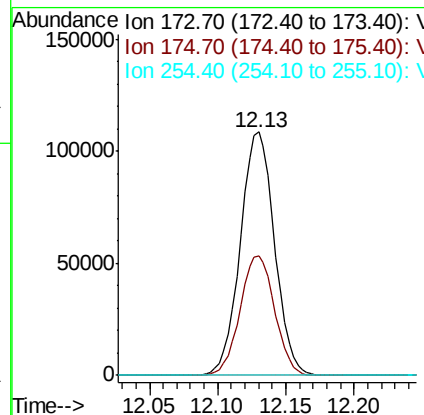
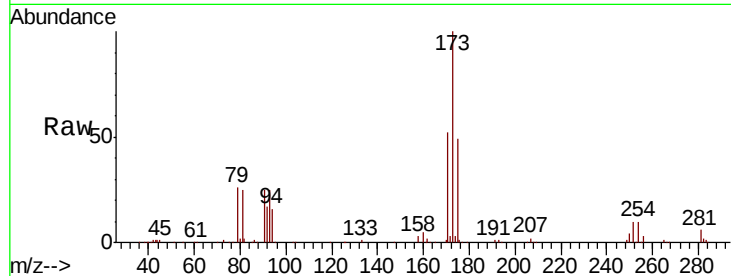
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.5	24.6	73.8
254	0.1	0.1	0.1#

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

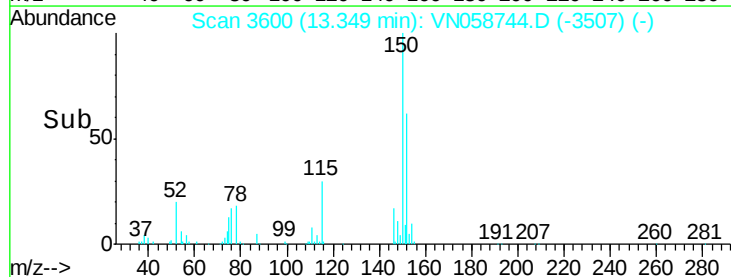
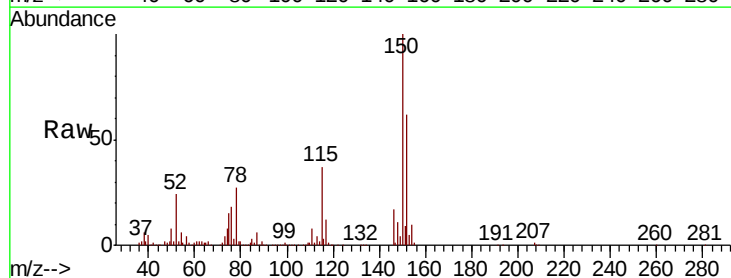
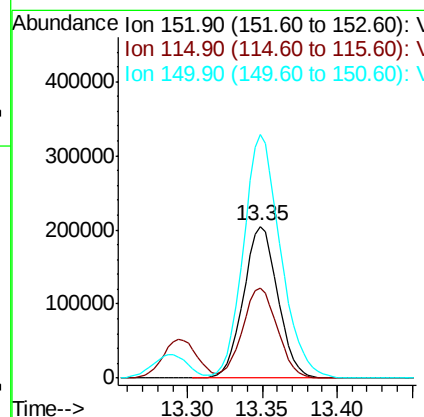
RT: 13.35 min Scan# 3600

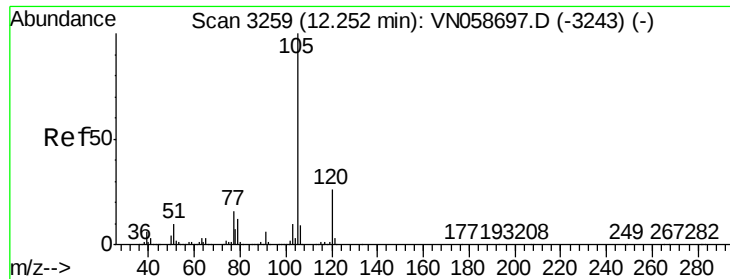
Delta R.T. 0.00 min

Lab File: VN058744.D

Acq: 14 Oct 2019 12:45

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.1	30.4	91.2
150	173.9	0.0	345.4





#73

Isopropylbenzene

Concen: 51.418 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058744.D

Acq: 14 Oct 2019 12:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1216015

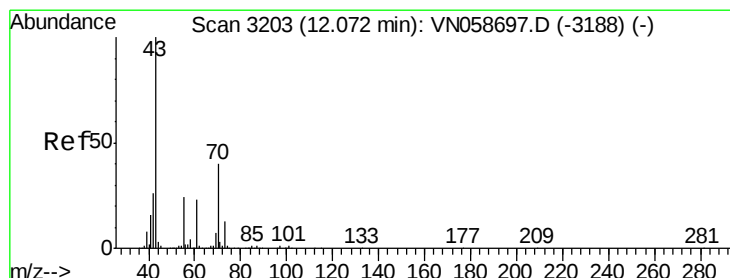
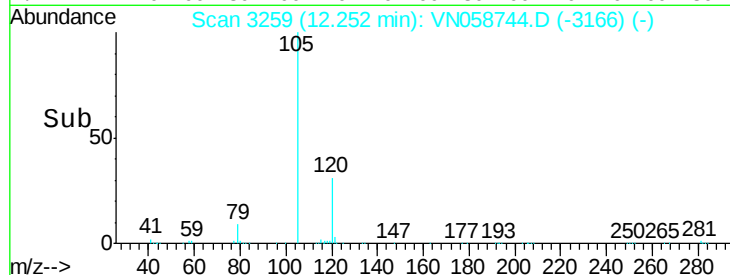
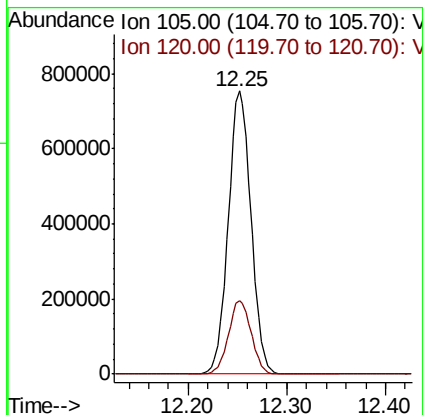
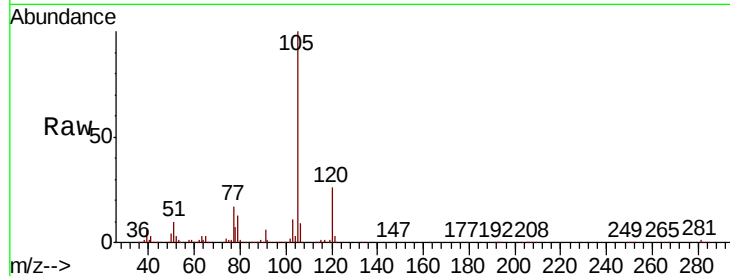
Ion Ratio Lower Upper

105 100

120 26.0 13.1 39.1

Manual Integrations
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#74

N-ethyl acetate

Concen: 51.450 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058744.D

Acq: 14 Oct 2019 12:45

Tgt Ion: 43 Resp: 546494

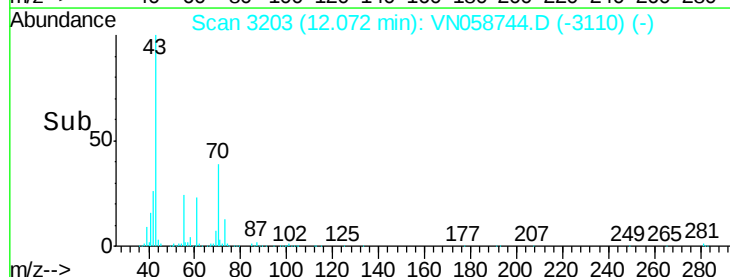
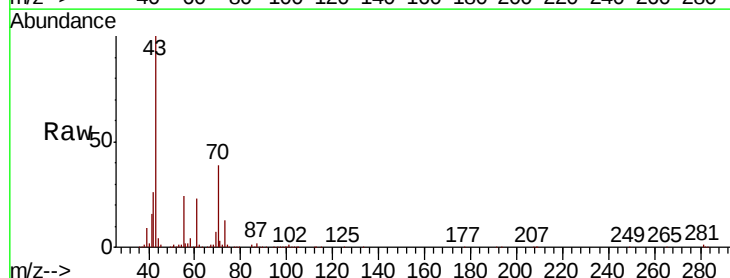
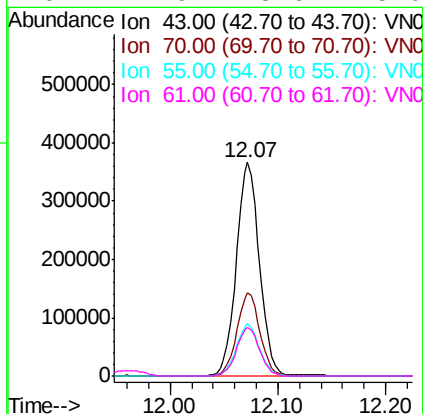
Ion Ratio Lower Upper

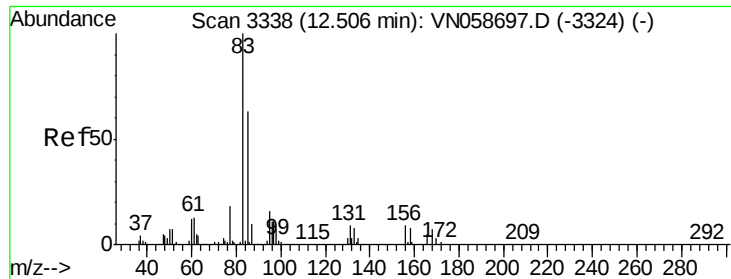
43 100

70 39.0 32.2 48.4

55 24.5 19.6 29.4

61 22.9 18.6 28.0





#75

1,1,2,2-Tetrachloroethane

Concen: 48.952 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN058744.D

Acq: 14 Oct 2019 12:45

Instrument :

MSVOA_N

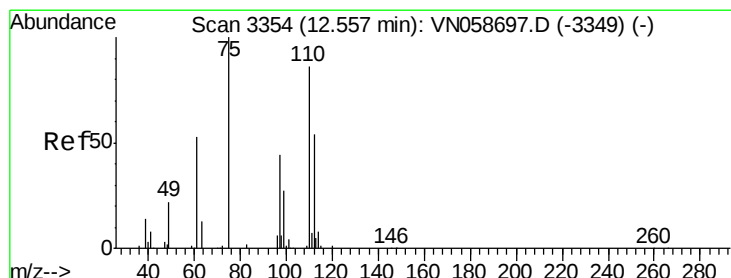
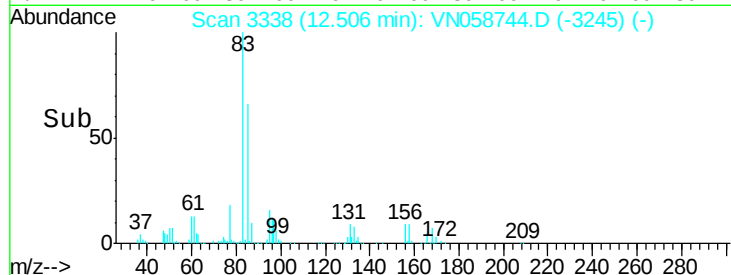
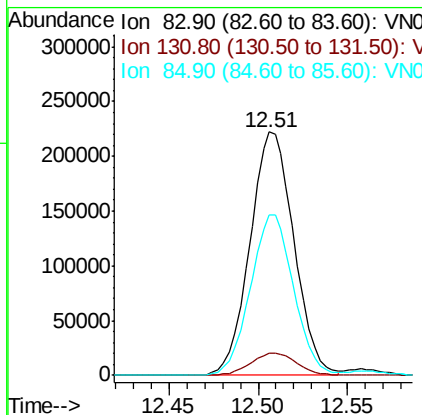
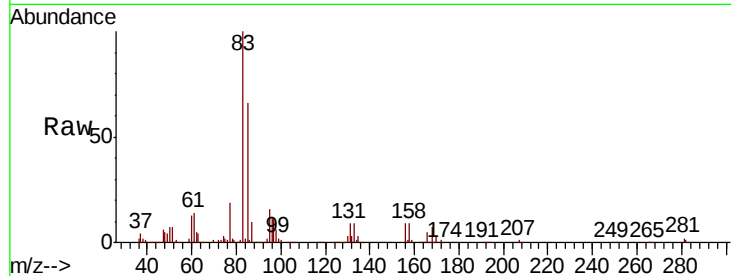
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	381380
Ion Ratio	Lower	Upper	
83	100		
131	9.6	4.8	14.4
85	65.0	31.9	95.5

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#76

1,2,3-Trichloropropane

Concen: 47.814 ug/l m

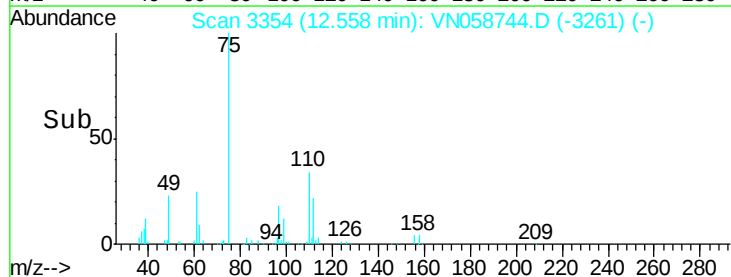
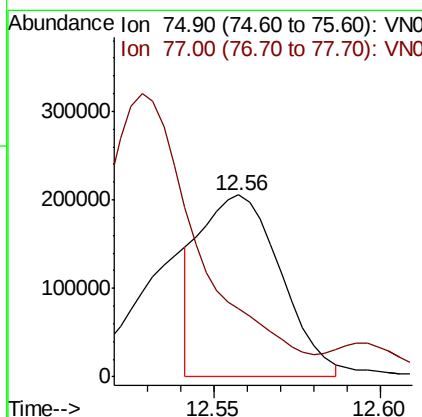
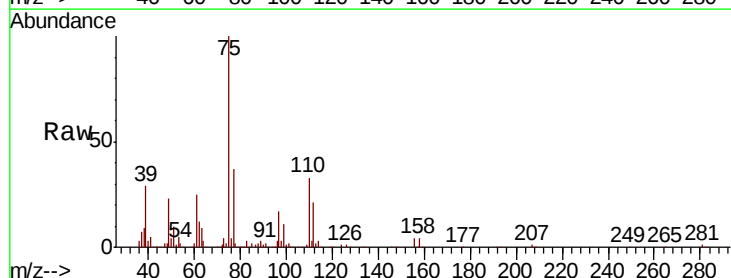
RT: 12.56 min Scan# 3354

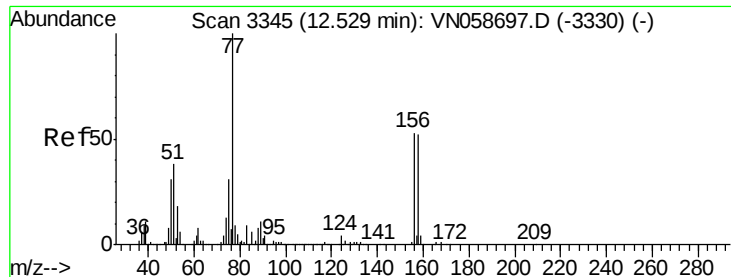
Delta R.T. 0.00 min

Lab File: VN058744.D

Acq: 14 Oct 2019 12:45

Tgt Ion:	75	Resp:	342528
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 49.385 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058744.D

Acq: 14 Oct 2019 12:45

Instrument :

MSVOA_N

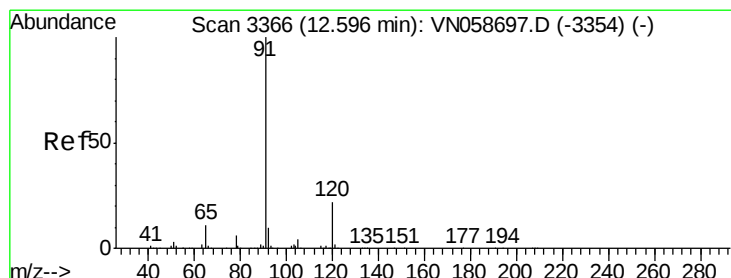
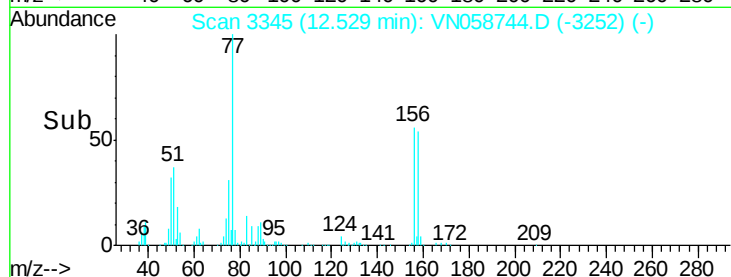
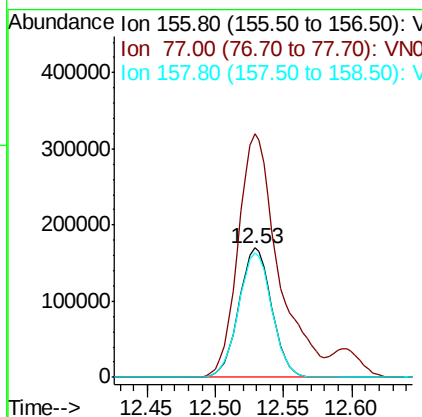
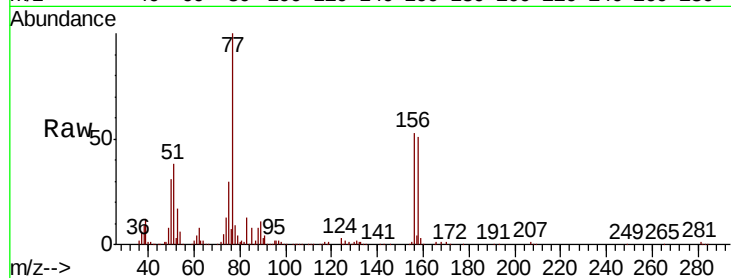
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	284085
Ion Ratio	Lower	Upper	
156	100		
77	230.6	115.8	347.3
158	97.4	48.9	146.6

Manual Integrations
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#78

n-propylbenzene

Concen: 52.986 ug/l

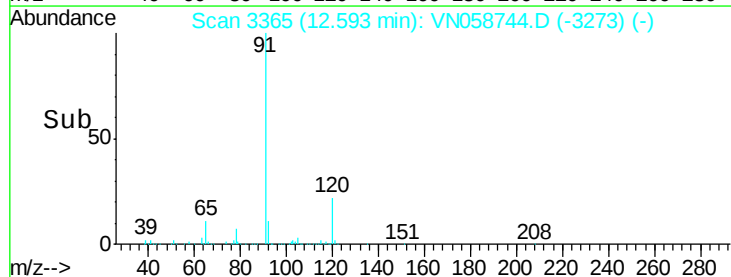
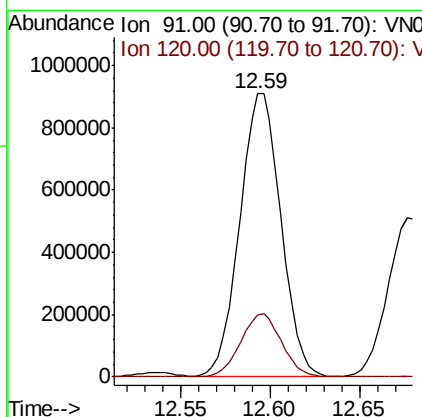
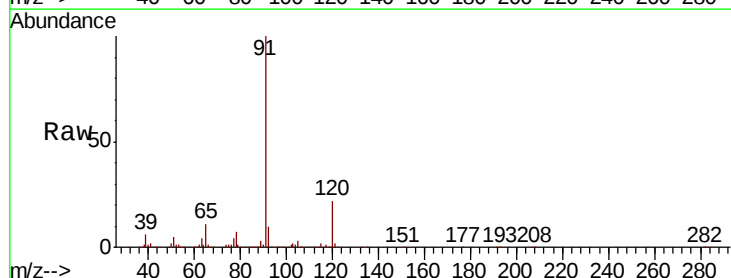
RT: 12.59 min Scan# 3365

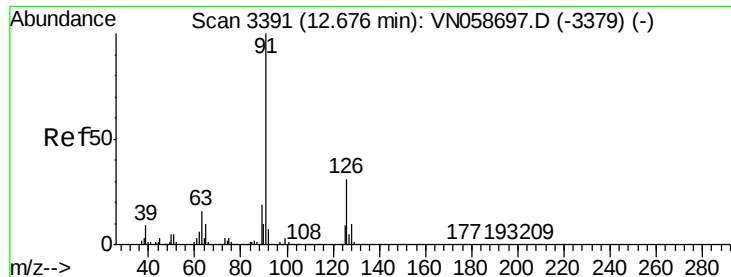
Delta R.T. -0.00 min

Lab File: VN058744.D

Acq: 14 Oct 2019 12:45

Tgt Ion:	91	Resp:	1460188
Ion Ratio	Lower	Upper	
91	100		
120	22.2	11.1	33.3





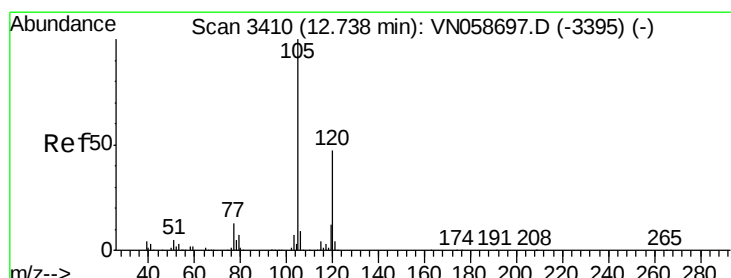
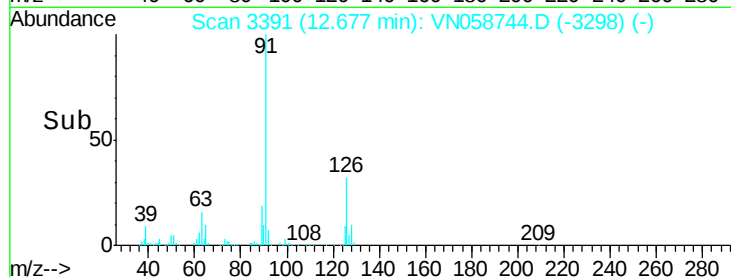
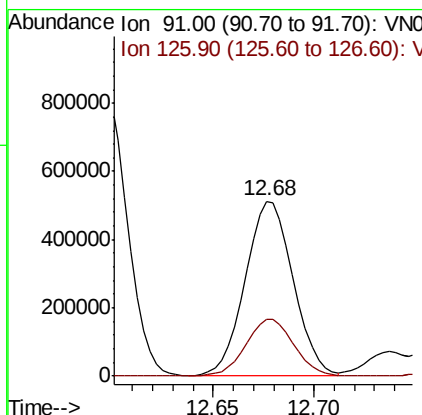
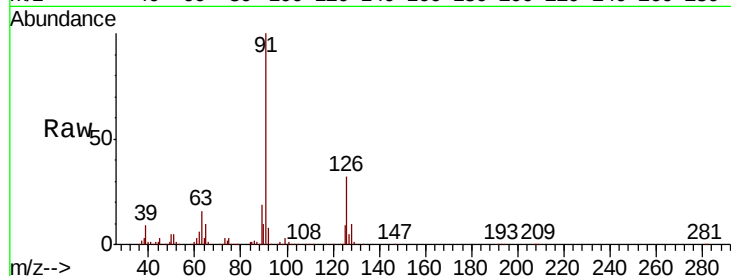
#79
2-Chlorotoluene
Concen: 49.720 ug/l
RT: 12.68 min Scan# 3391
Delta R.T. 0.00 min
Lab File: VN058744.D
Acq: 14 Oct 2019 12:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 850445
Ion Ratio Lower Upper
91 100
126 32.6 16.2 48.5

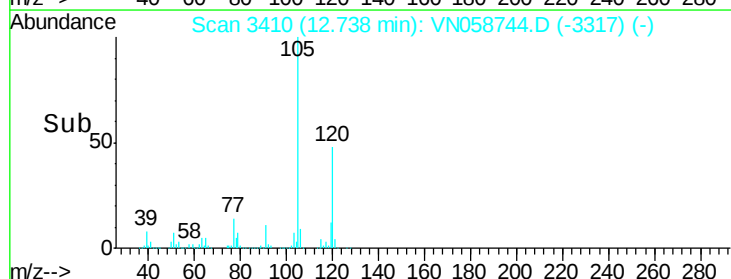
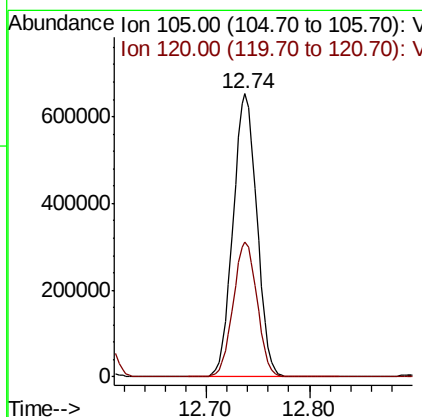
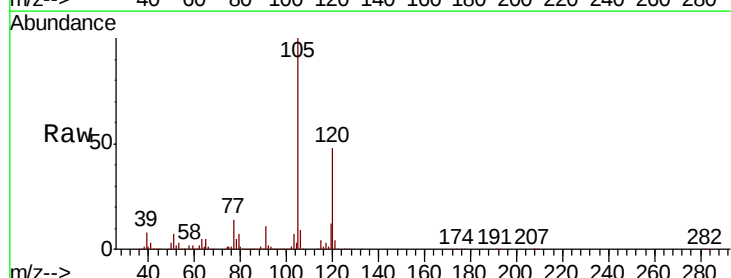
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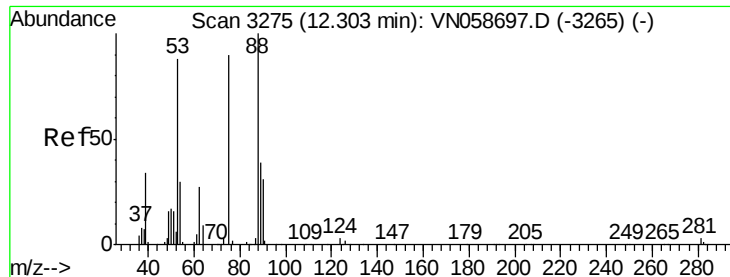
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#80
1,3,5-Trimethylbenzene
Concen: 52.068 ug/l
RT: 12.74 min Scan# 3410
Delta R.T. 0.00 min
Lab File: VN058744.D
Acq: 14 Oct 2019 12:45

Tgt Ion: 105 Resp: 1051283
Ion Ratio Lower Upper
105 100
120 47.7 23.4 70.2





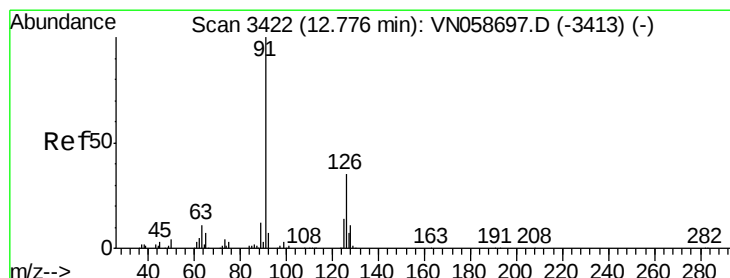
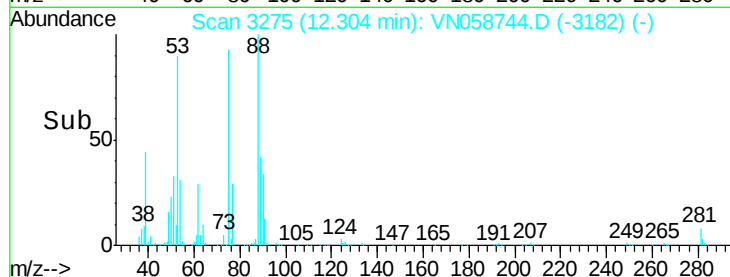
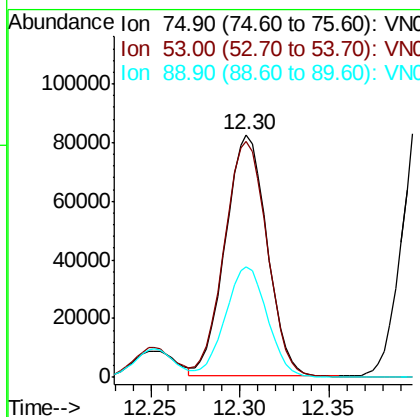
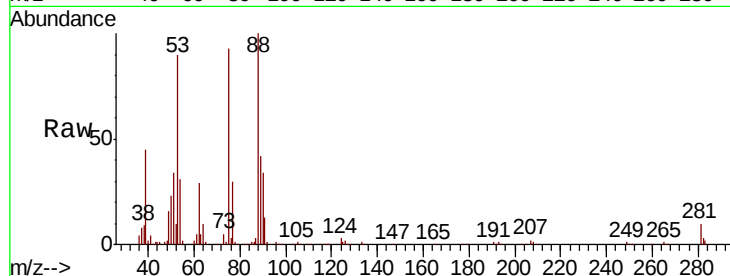
#81
trans-1,4-Dichloro-2-butene
Concen: 49.824 ug/l
RT: 12.30 min Scan# 3275
Delta R.T. 0.00 min
Lab File: VN058744.D
Acq: 14 Oct 2019 12:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	100.8	78.4	117.6
89	46.2	34.9	52.3

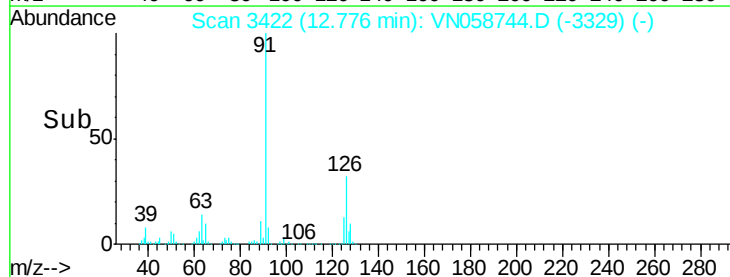
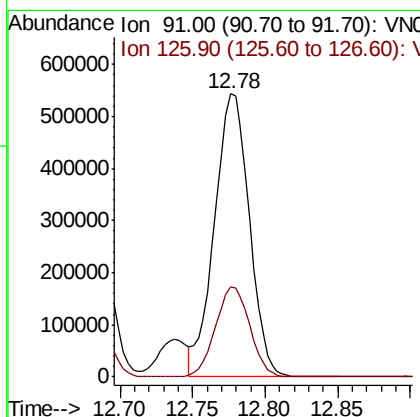
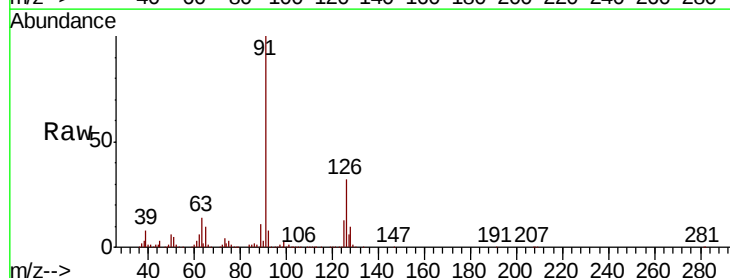
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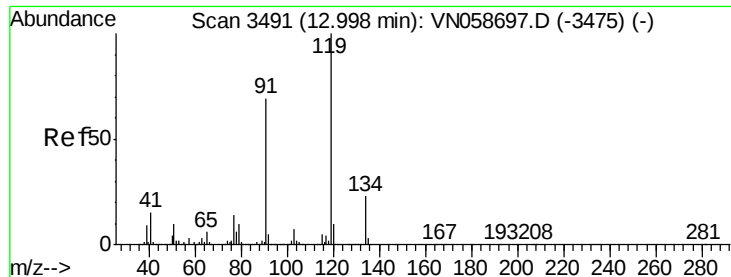
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#82
4-Chlorotoluene
Concen: 51.503 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. 0.00 min
Lab File: VN058744.D
Acq: 14 Oct 2019 12:45

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.4	15.9	47.6





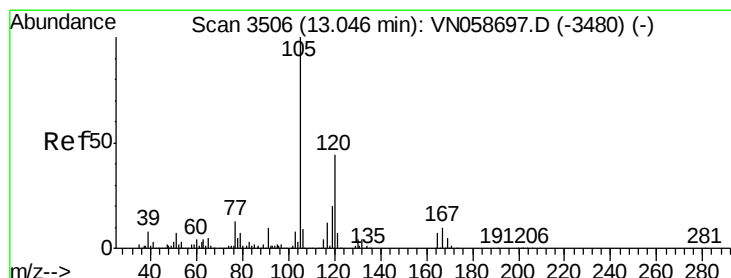
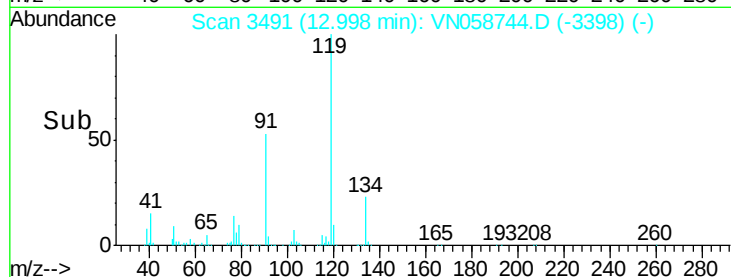
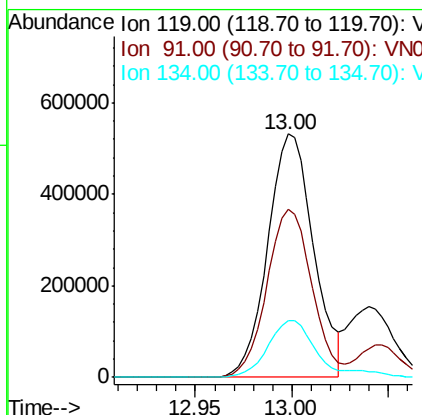
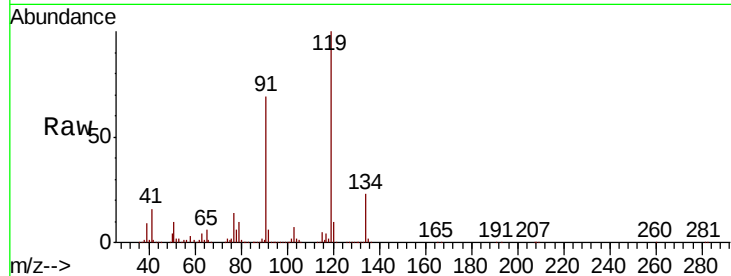
#83
 tert-Butylbenzene
 Concen: 50.879 ug/l
 RT: 13.00 min Scan# 3491
 Delta R.T. 0.00 min
 Lab File: VN058744.D
 Acq: 14 Oct 2019 12:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.8	33.8	101.3
134	23.5	12.6	37.6

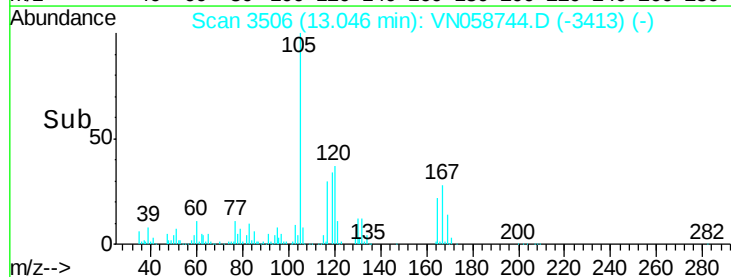
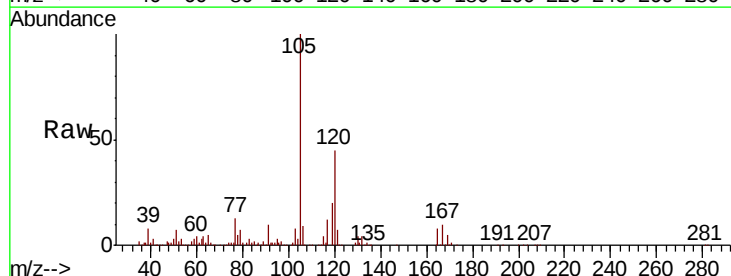
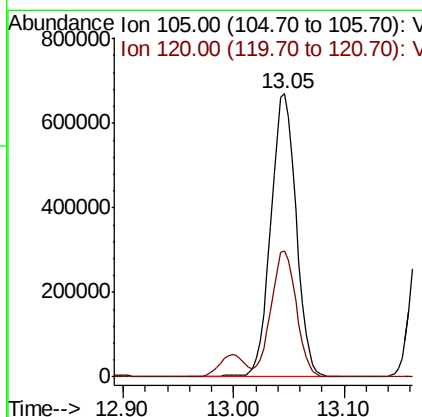
Manual Integrations
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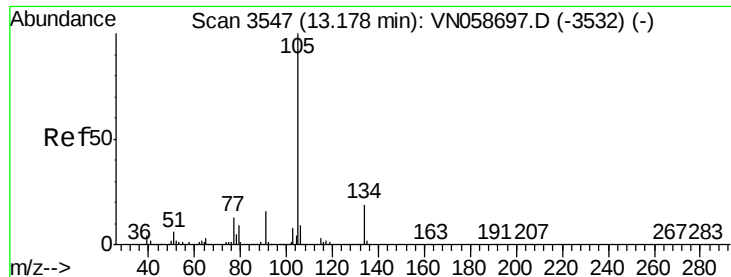
MMDadoda
 10/16/2019 12:56:46 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 53.143 ug/l
 RT: 13.05 min Scan# 3506
 Delta R.T. 0.00 min
 Lab File: VN058744.D
 Acq: 14 Oct 2019 12:45

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.3	21.9	65.7





#85

sec-Butylbenzene

Concen: 53.138 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN058744.D

Acq: 14 Oct 2019 12:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1211091

Ion Ratio Lower Upper

105 100

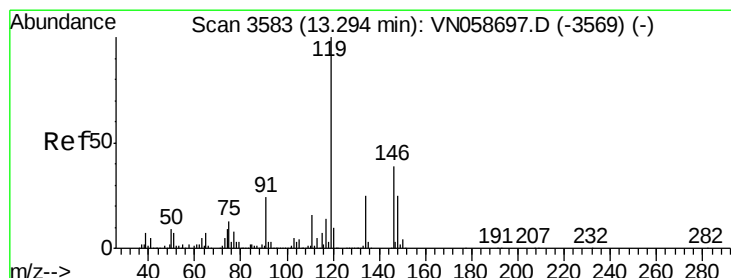
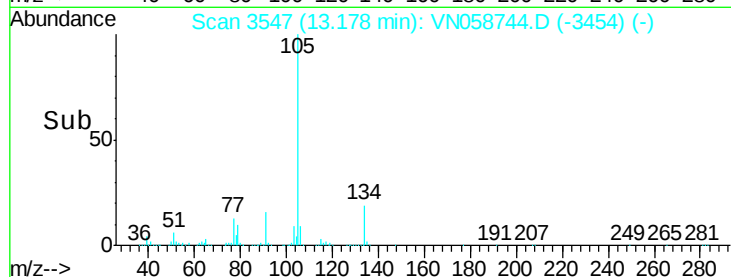
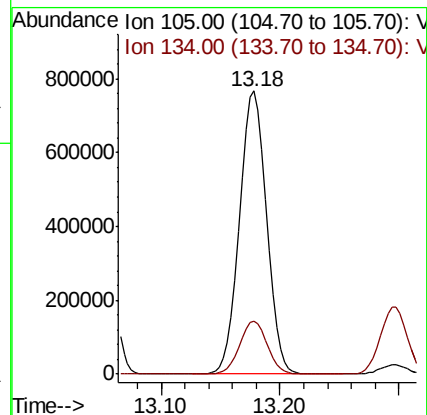
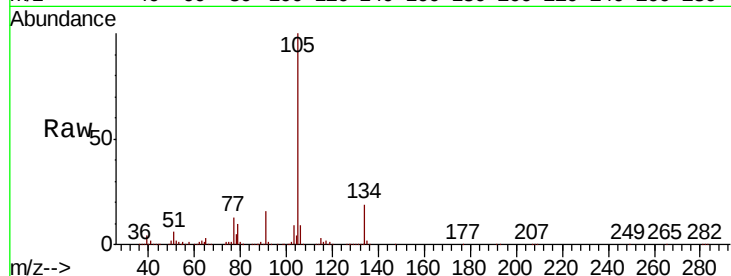
134 19.1 9.7 29.1

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 53.317 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN058744.D

Acq: 14 Oct 2019 12:45

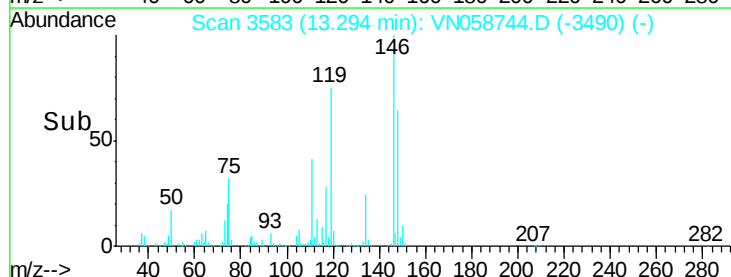
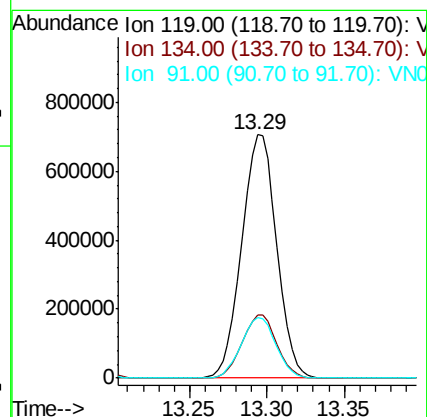
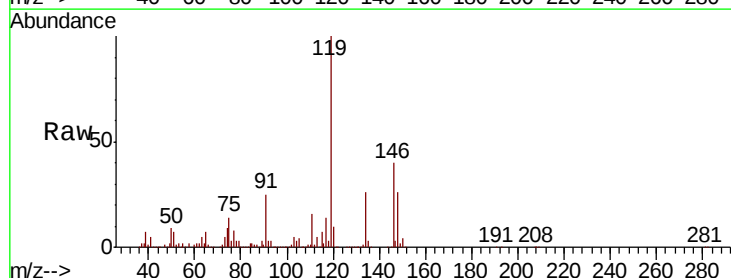
Tgt Ion:119 Resp: 1104427

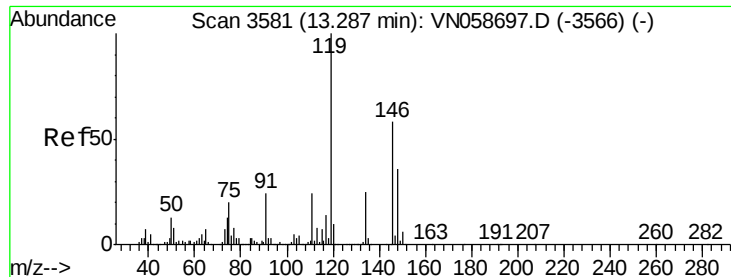
Ion Ratio Lower Upper

119 100

134 25.7 12.7 38.1

91 24.9 11.9 35.5





#87

1,3-Dichlorobenzene

Concen: 50.495 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN058744.D

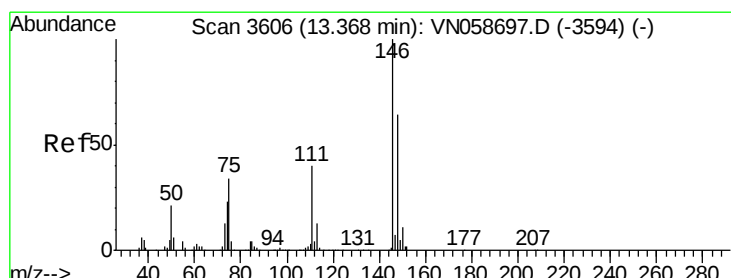
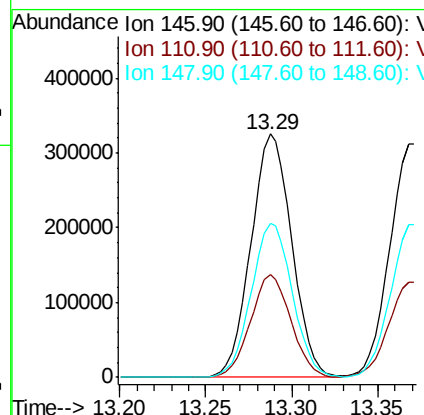
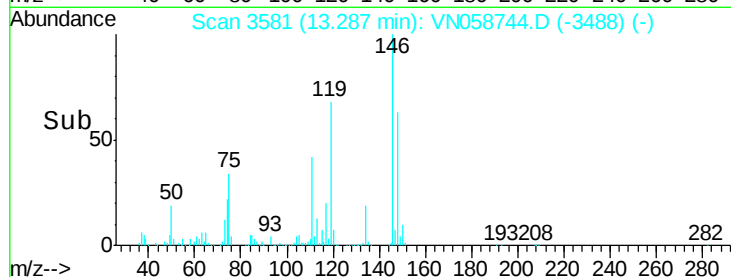
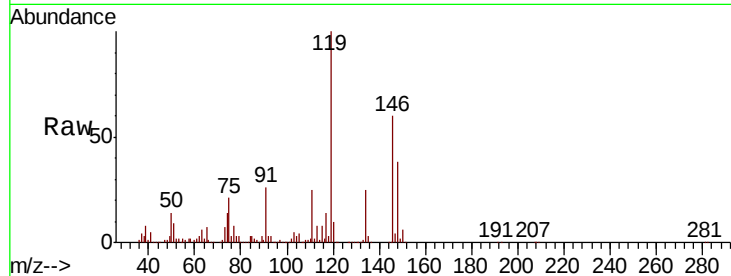
Acq: 14 Oct 2019 12:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100			
111	41.8	20.5	61.6	
148	63.6	31.3	93.9	

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#88

1,4-Dichlorobenzene

Concen: 48.764 ug/l

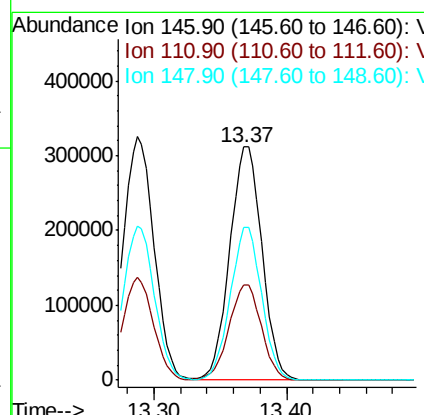
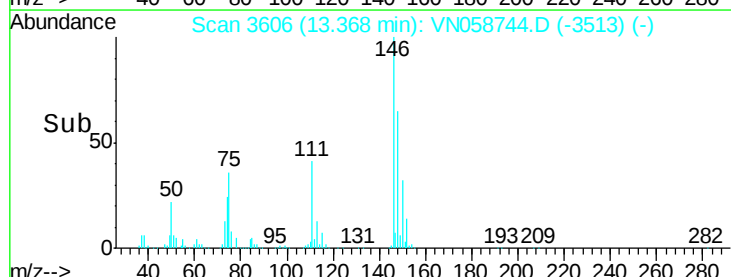
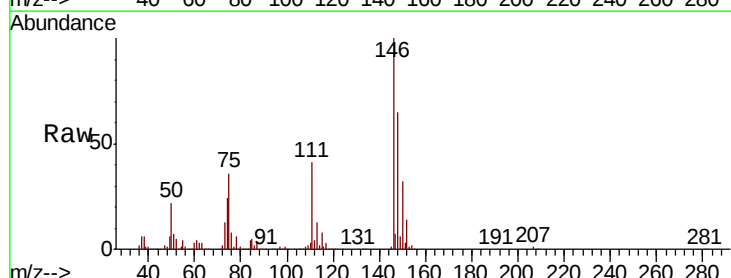
RT: 13.37 min Scan# 3606

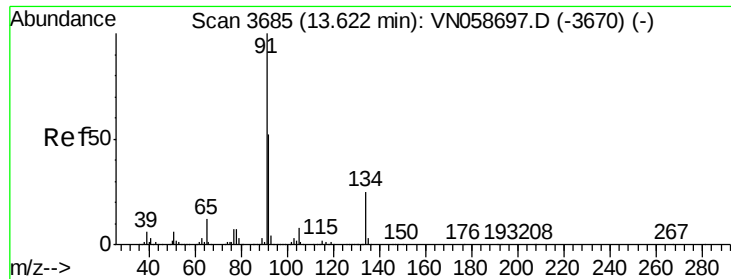
Delta R.T. 0.00 min

Lab File: VN058744.D

Acq: 14 Oct 2019 12:45

Tgt Ion	Ratio	Resp	Lower	Upper
146	100			
111	41.0	20.1	60.2	
148	64.0	31.9	95.7	





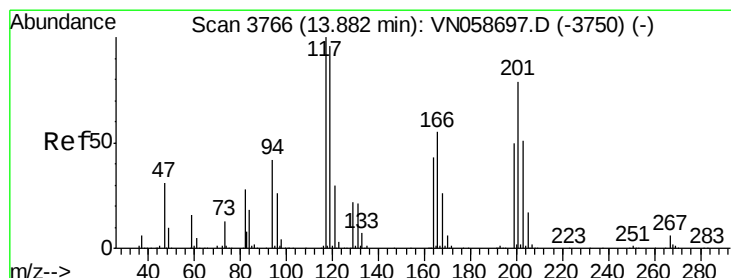
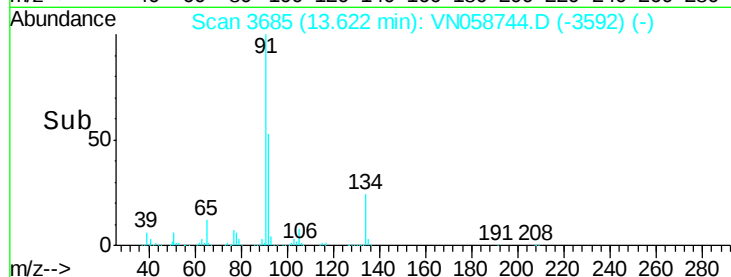
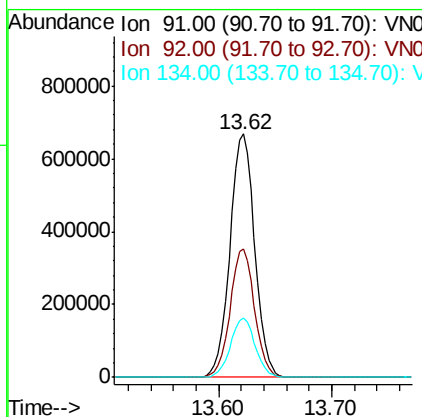
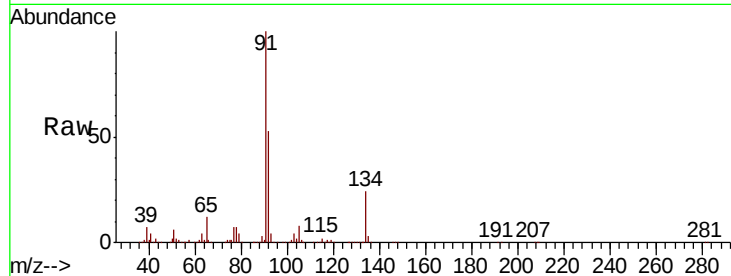
#89
n-Butylbenzene
Concen: 52.934 ug/l
RT: 13.62 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN058744.D
Acq: 14 Oct 2019 12:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.1	26.0	78.0
134	24.2	12.2	36.6

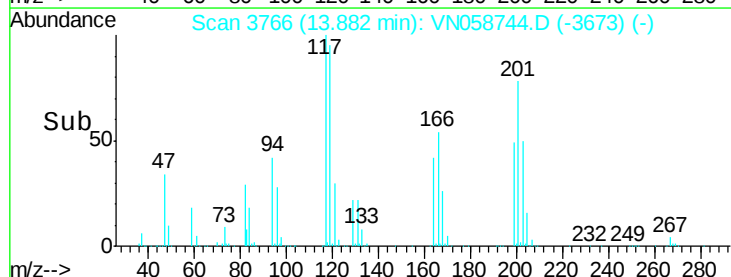
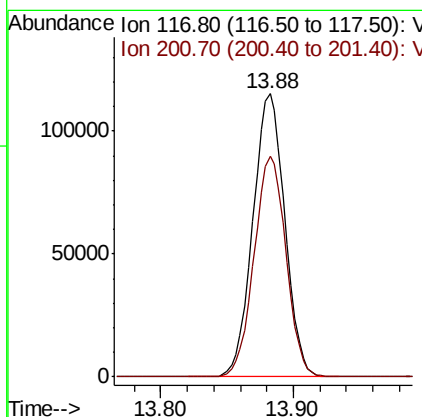
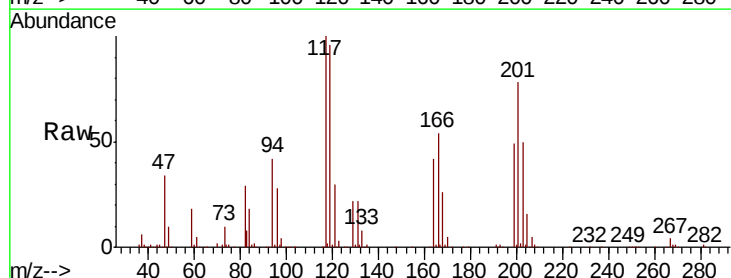
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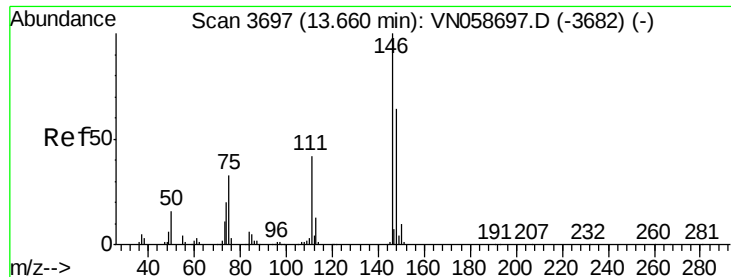
MMDadoda
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#90
Hexachloroethane
Concen: 52.192 ug/l
RT: 13.88 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN058744.D
Acq: 14 Oct 2019 12:45

Tgt Ion	Ratio	Lower	Upper
117	100		
201	77.9	39.6	118.7





#91

1,2-Dichlorobenzene

Concen: 50.220 ug/l

RT: 13.66 min Scan# 3697

Delta R.T. 0.00 min

Lab File: VN058744.D

Acq: 14 Oct 2019 12:45

Instrument :

MSVOA_N

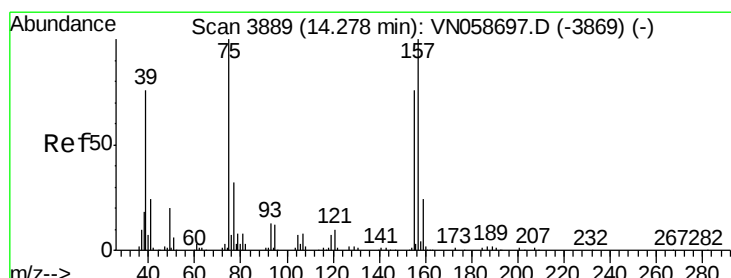
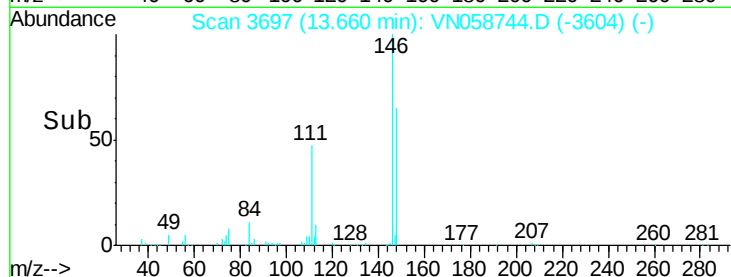
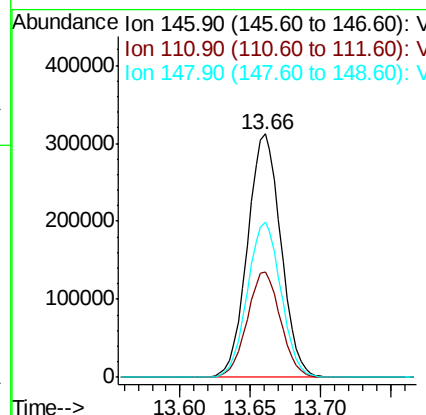
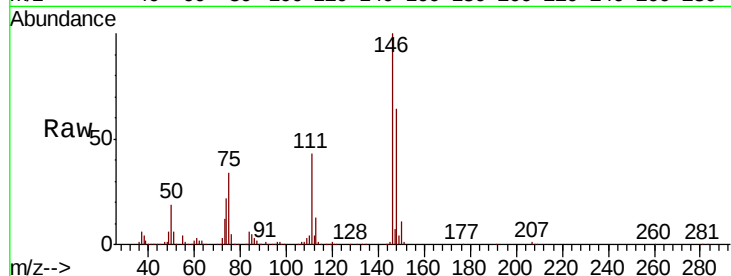
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	519253
Ion Ratio		Lower	Upper
146	100		
111	43.1	21.1	63.4
148	63.9	31.8	95.3

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#92

1,2-Dibromo-3-Chloropropane

Concen: 45.898 ug/l

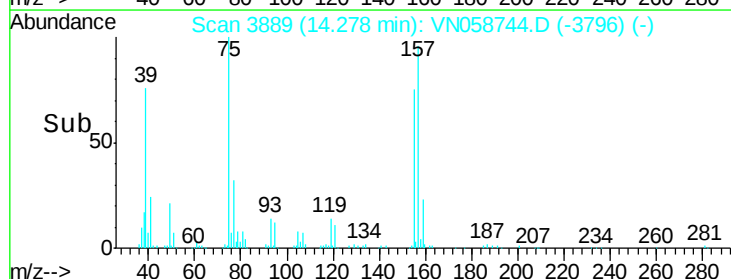
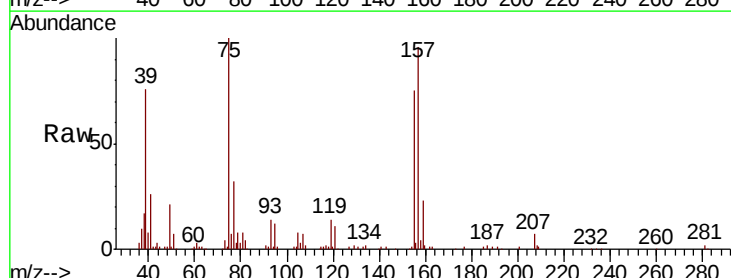
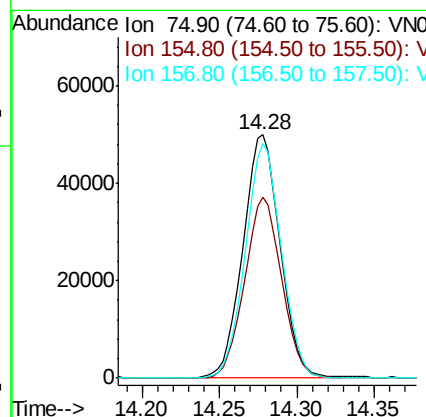
RT: 14.28 min Scan# 3889

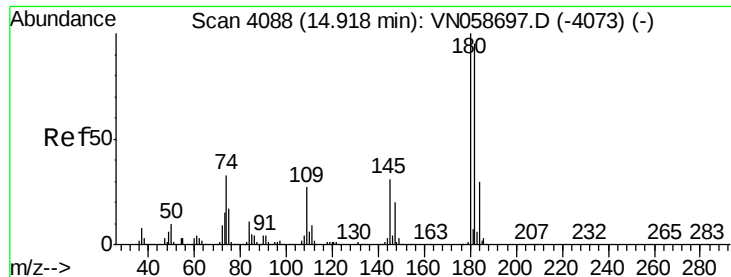
Delta R.T. 0.00 min

Lab File: VN058744.D

Acq: 14 Oct 2019 12:45

Tgt Ion:	75	Resp:	83539
Ion Ratio		Lower	Upper
75	100		
155	73.7	37.9	113.6
157	93.3	49.4	148.2





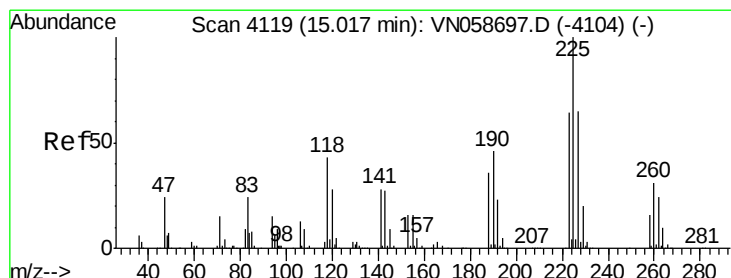
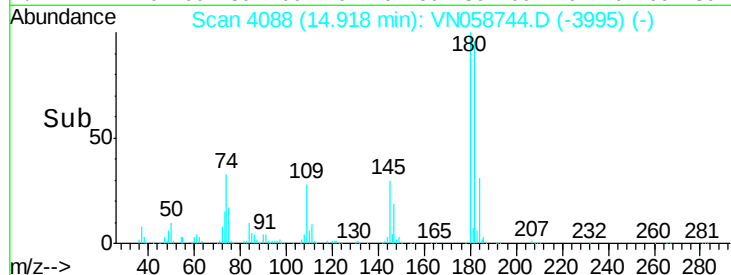
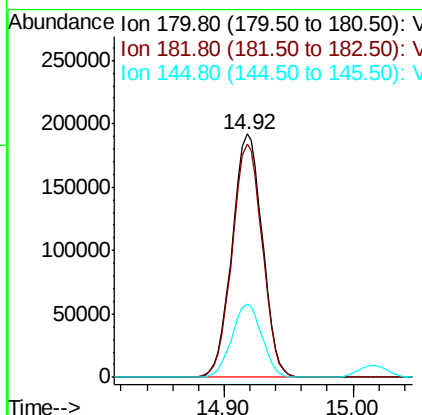
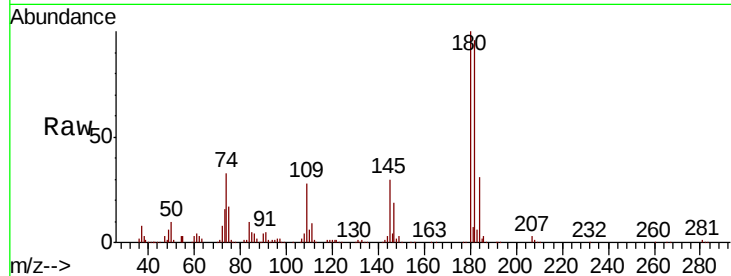
#93
 1,2,4-Trichlorobenzene
 Concen: 49.624 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058744.D
 Acq: 14 Oct 2019 12:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	312991		
182	95.7	47.4	142.2	
145	29.9	15.4	46.2	

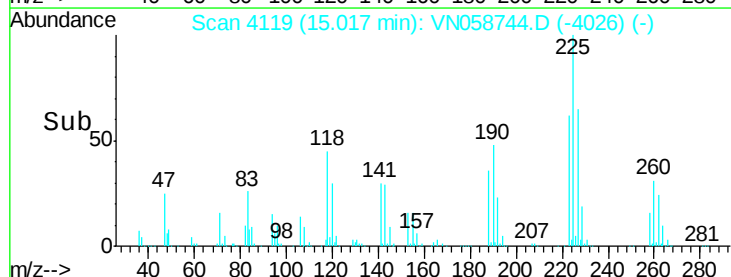
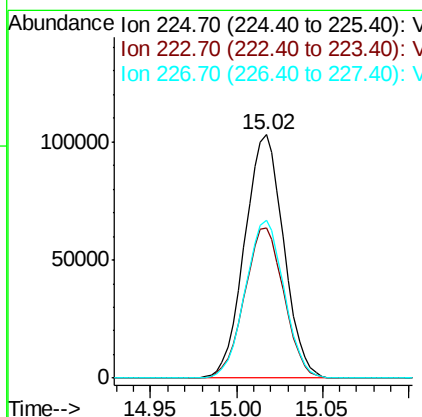
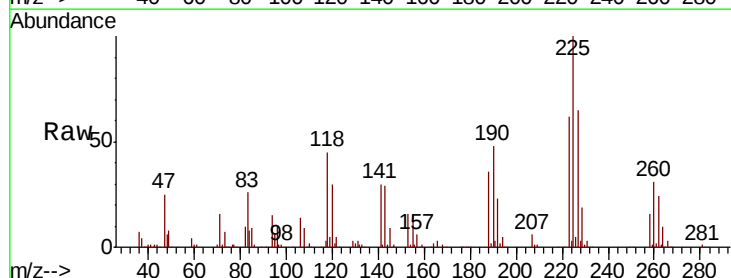
Manual Integrations
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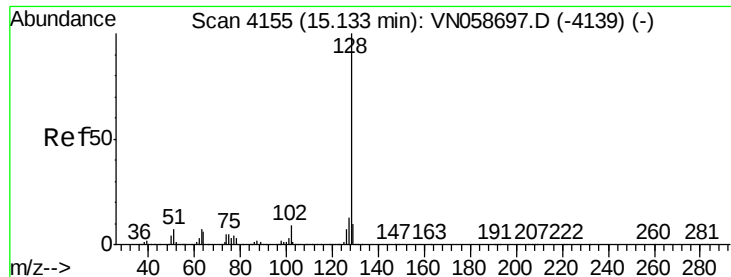
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#94
 Hexachlorobutadiene
 Concen: 48.905 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN058744.D
 Acq: 14 Oct 2019 12:45

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	162437		
223	62.2	32.3	96.8	
227	64.4	32.4	97.0	





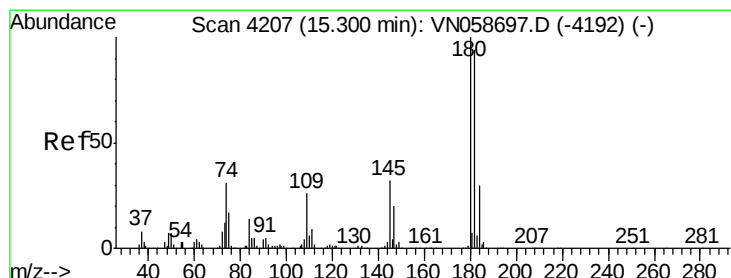
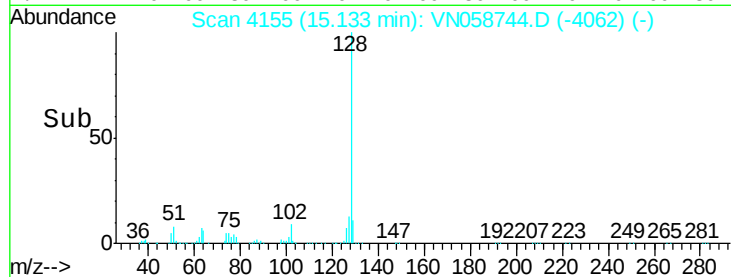
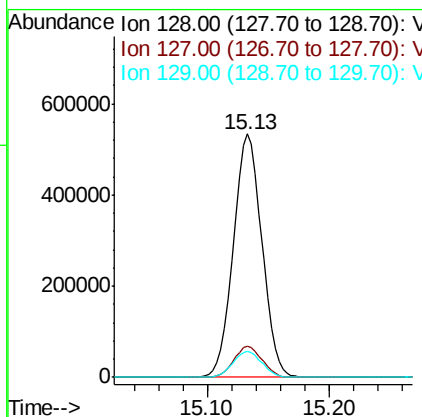
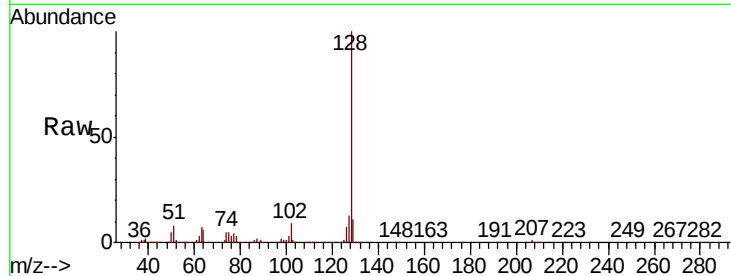
#95
Naphthalene
Concen: 47.774 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN058744.D
Acq: 14 Oct 2019 12:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.4
129	10.8	8.5	12.7

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 47.752 ug/l
RT: 15.30 min Scan# 4207
Delta R.T. 0.00 min
Lab File: VN058744.D
Acq: 14 Oct 2019 12:45

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.3	142.0
145	32.7	16.2	48.6

