

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091019\
 Data File : VN057859.D
 Acq On : 10 Sep 2019 13:51
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 65 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/13/2019 5:16:31 AM

Quant Time: Sep 10 14:51:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 03:02:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	318223	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	526865	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	513492	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	311968	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	332234	51.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.10%	
35) Dibromofluoromethane	7.57	113	237180	48.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.54%	
50) Toluene-d8	10.09	98	987090	52.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.56%	
62) 4-Bromofluorobenzene	12.40	95	357360	49.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	216299	49.149	ug/l	100
3) Chloromethane	2.03	50	204787	45.656	ug/l	97
4) Vinyl Chloride	2.16	62	221285	46.614	ug/l	100
5) Bromomethane	2.53	94	115308	44.019	ug/l	97
6) Chloroethane	2.68	64	141805	46.877	ug/l	97
7) Trichlorofluoromethane	2.99	101	271842	45.503	ug/l	98
8) Diethyl Ether	3.39	74	117511	47.161	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.73	101	176328	46.788	ug/l	99
10) Methyl Iodide	3.93	142	170280	40.603	ug/l	99
11) Tert butyl alcohol	4.77	59	203732	261.163	ug/l	99
12) 1,1-Dichloroethene	3.71	96	154761	45.672	ug/l	100
13) Acrolein	3.58	56	142015	214.580	ug/l	100
14) Allyl chloride	4.30	41	285299	43.023	ug/l	99
15) Acrylonitrile	4.96	53	532631	248.410	ug/l	99
16) Acetone	3.80	43	454651	215.178	ug/l	99
17) Carbon Disulfide	4.03	76	233313	44.258	ug/l	98
18) Methyl Acetate	4.30	43	297563	52.819	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	698777	49.553	ug/l	100
20) Methylene Chloride	4.53	84	211954	52.762	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	167257	45.661	ug/l	97
22) Diisopropyl ether	5.93	45	785792	50.530	ug/l	100
23) Vinyl Acetate	5.87	43	2760757	250.498	ug/l	100
24) 1,1-Dichloroethane	5.82	63	417898	49.170	ug/l	99
25) 2-Butanone	6.82	43	741751	242.551	ug/l	98
26) 2,2-Dichloropropane	6.81	77	159190	23.668	ug/l	93
27) cis-1,2-Dichloroethene	6.81	96	236000	48.076	ug/l	95
28) Bromochloromethane	7.18	49	209385	49.313	ug/l	97
29) Tetrahydrofuran	7.19	42	472860	250.931	ug/l	99
30) Chloroform	7.36	83	436639	49.135	ug/l	99
31) Cyclohexane	7.64	56	290623	50.187	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	341470	48.450	ug/l	99
36) 1,1-Dichloropropene	7.78	75	278191	45.529	ug/l	99
37) Ethyl Acetate	6.91	43	299659	47.467	ug/l	100
38) Carbon Tetrachloride	7.76	117	271829	48.727	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	285794	44.494	ug/l	97
40) Benzene	8.03	78	883549	48.030	ug/l	99
41) Methacrylonitrile	7.16	41	141588m	49.408	ug/l	
42) 1,2-Dichloroethane	8.11	62	357045	48.530	ug/l	100
43) Isopropyl Acetate	8.15	43	548087	51.626	ug/l #	91
44) Trichloroethene	8.83	130	215427	47.746	ug/l	96
45) 1,2-Dichloropropane	9.11	63	265642	49.626	ug/l	100
46) Dibromomethane	9.20	93	162777	50.323	ug/l	99
47) Bromodichloromethane	9.40	83	332017	51.402	ug/l	96
48) Methyl methacrylate	9.19	41	262435	48.731	ug/l	99
49) 1,4-Dioxane	9.19	88	90796	996.980	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	1671205	266.010	ug/l	100
52) Toluene	10.15	92	567359	48.968	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	319543	46.978	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	349310	46.514	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	244466	49.811	ug/l	98
56) Ethyl methacrylate	10.43	69	377479	51.075	ug/l	100
57) 1,3-Dichloropropane	10.71	76	423066	50.019	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	893039	256.549	ug/l	100
59) 2-Hexanone	10.75	43	1220305	259.145	ug/l	99
60) Dibromochloromethane	10.90	129	236865	51.974	ug/l	99
61) 1,2-Dibromoethane	11.00	107	232284	50.062	ug/l	99
64) Tetrachloroethene	10.63	164	186747	49.256	ug/l	98
65) Chlorobenzene	11.43	112	642053	47.777	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	230000	49.324	ug/l	99
67) Ethyl Benzene	11.51	91	1166273	49.520	ug/l	99
68) m/p-Xylenes	11.62	106	855756	99.196	ug/l	99
69) o-Xylene	11.95	106	426505	49.730	ug/l	99
70) Styrene	11.96	104	750576	50.853	ug/l	99
71) Bromoform	12.13	173	148215	50.981	ug/l #	99
73) Isopropylbenzene	12.25	105	1185594	48.976	ug/l	100
74) N-amyl acetate	12.07	43	514622	48.848	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	378725	46.465	ug/l	98
76) 1,2,3-Trichloropropane	12.56	75	327486m	46.404	ug/l	
77) Bromobenzene	12.53	156	275237	45.603	ug/l	98
78) n-propylbenzene	12.59	91	1382074	49.719	ug/l	100
79) 2-Chlorotoluene	12.68	91	827398	47.094	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	1020453	49.890	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	75987	37.890	ug/l	93
82) 4-Chlorotoluene	12.78	91	866540	48.028	ug/l	100
83) tert-Butylbenzene	13.00	119	882517	48.539	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1031404	49.614	ug/l	100
85) sec-Butylbenzene	13.17	105	1192205	49.472	ug/l	100
86) p-Isopropyltoluene	13.29	119	1083224	51.015	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	531472	47.975	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	525913	46.769	ug/l	99
89) n-Butylbenzene	13.62	91	992865	49.515	ug/l	99
90) Hexachloroethane	13.88	117	161624	51.182	ug/l	97
91) 1,2-Dichlorobenzene	13.66	146	527077	47.624	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	69269	51.461	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	321654	44.464	ug/l	98
94) Hexachlorobutadiene	15.01	225	139982	45.649	ug/l	99
95) Naphthalene	15.13	128	941485	51.603	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	313102	49.587	ug/l	97

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

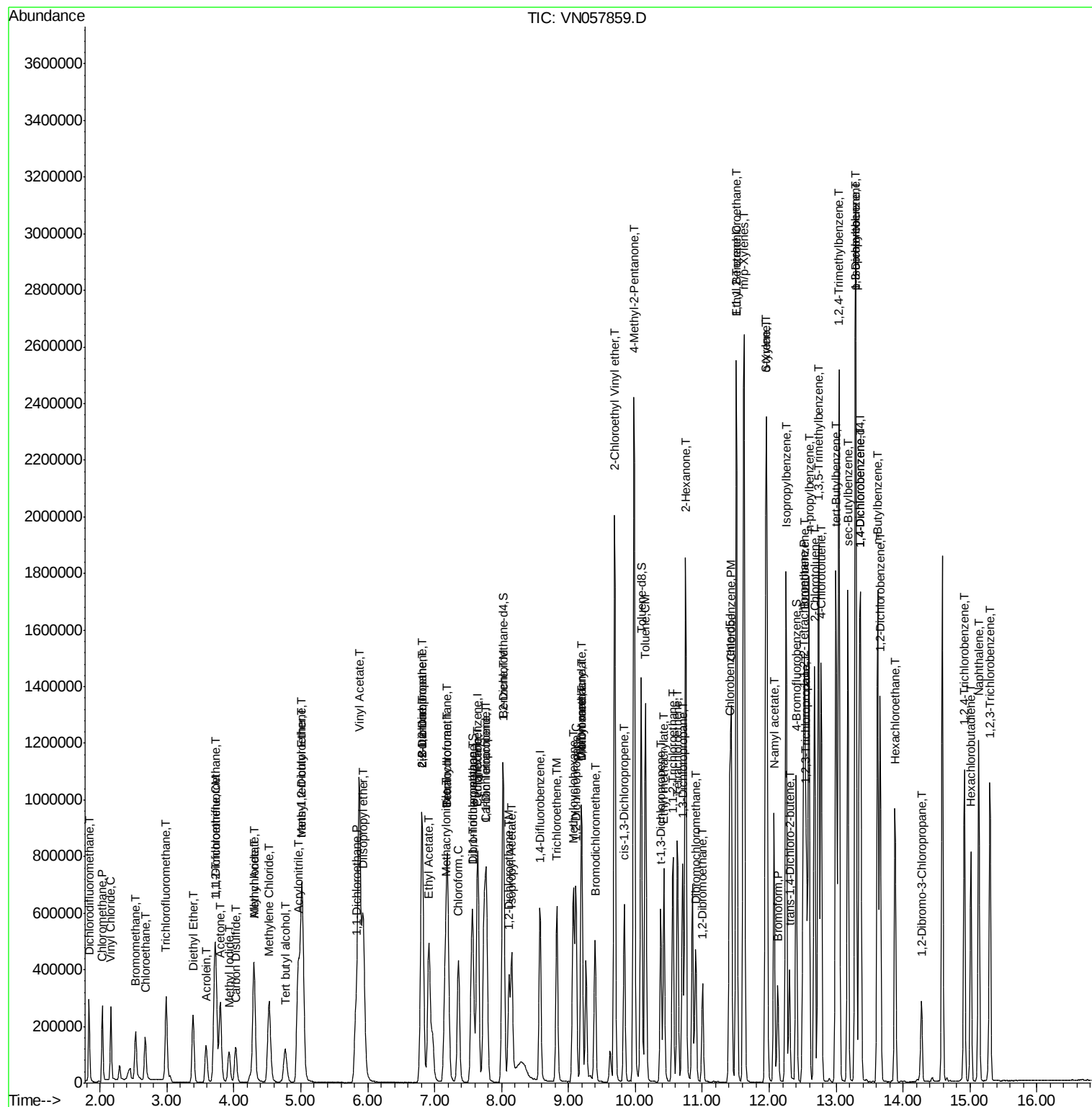
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN091019\
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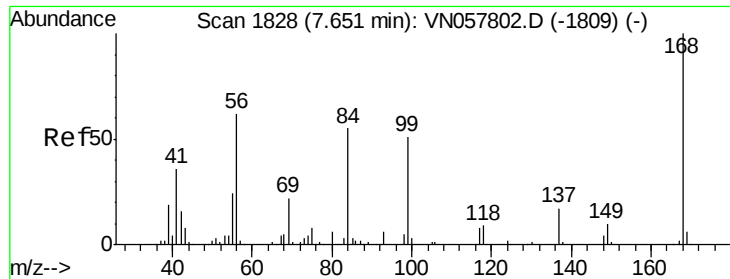
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN057859.D

Acq: 10 Sep 2019 13:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 318223

Ion Ratio Lower Upper

168 100

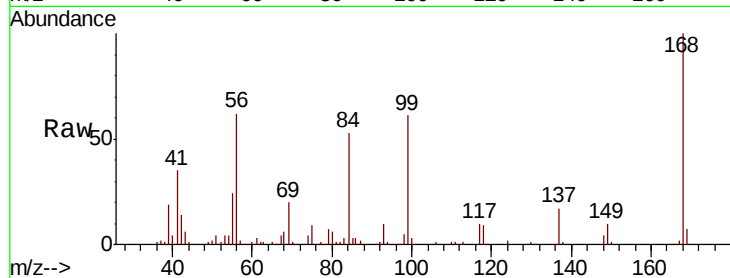
99 60.9 48.0 72.0

Manual Integrations

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9/13/2019 5:16:31 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

150000

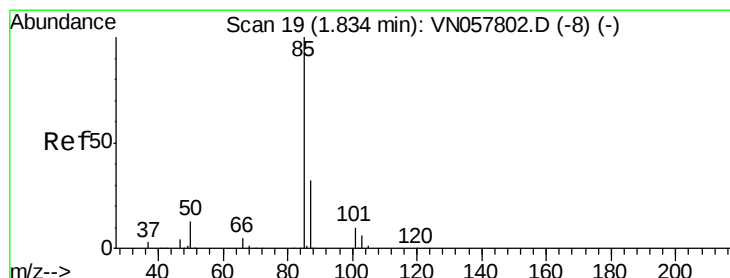
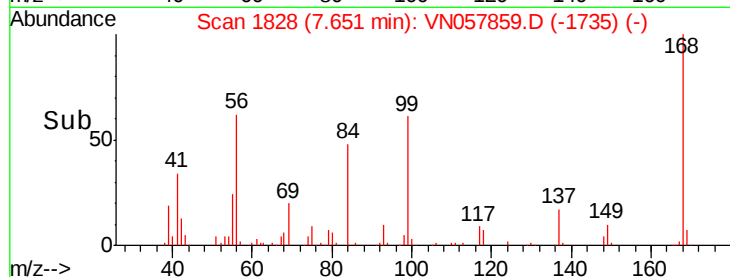
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50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 49.149 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN057859.D

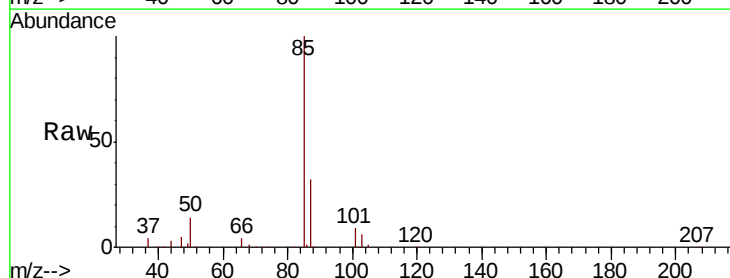
Acq: 10 Sep 2019 13:51

Tgt Ion: 85 Resp: 216299

Ion Ratio Lower Upper

85 100

87 31.9 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

150000

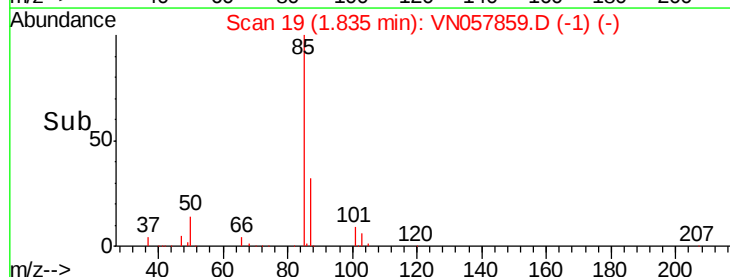
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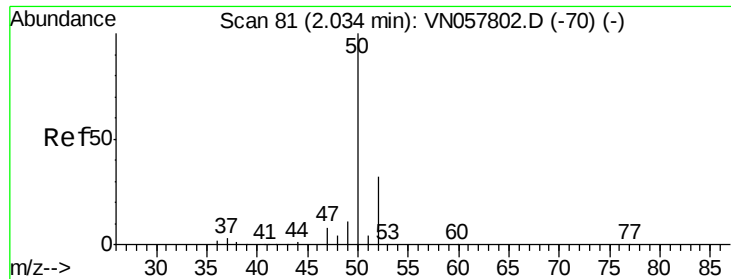
50000

0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 45.656 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN057859.D

Acq: 10 Sep 2019 13:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 204787

Ion Ratio Lower Upper

50 100

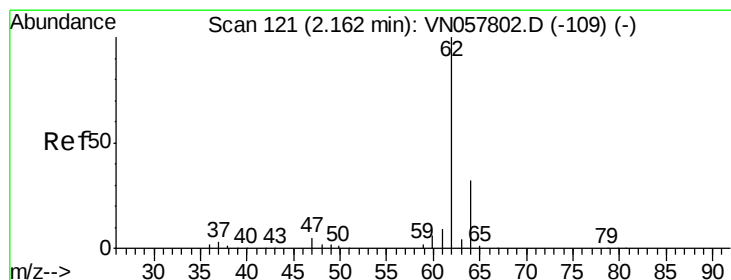
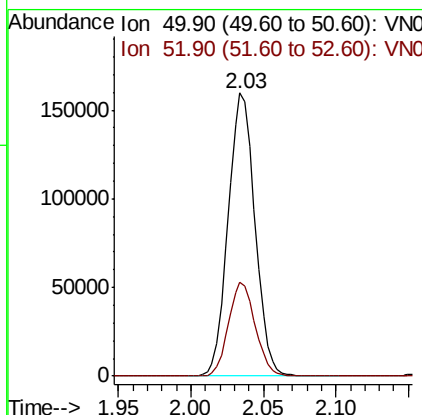
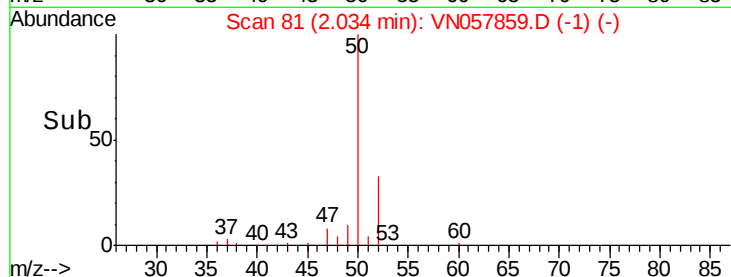
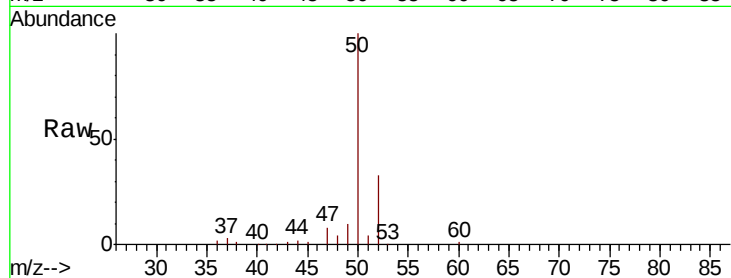
52 33.3 25.5 38.3

Manual Integrations

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#4

Vinyl Chloride

Concen: 46.614 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.00 min

Lab File: VN057859.D

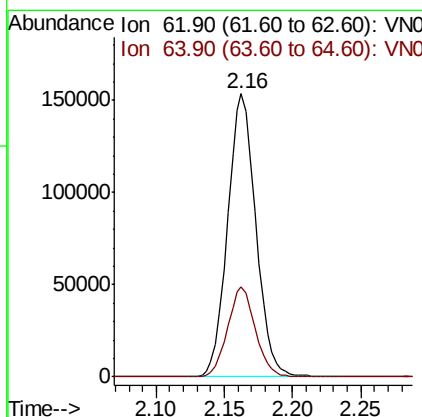
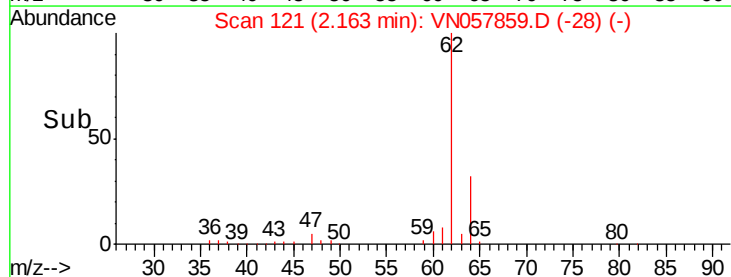
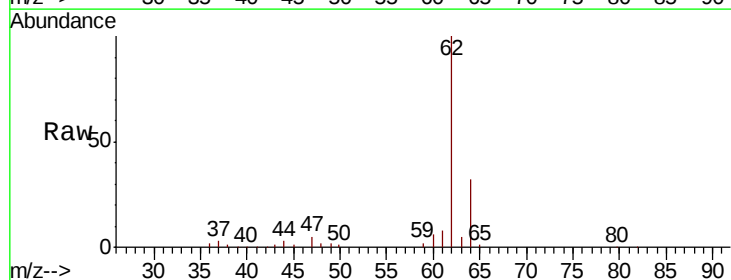
Acq: 10 Sep 2019 13:51

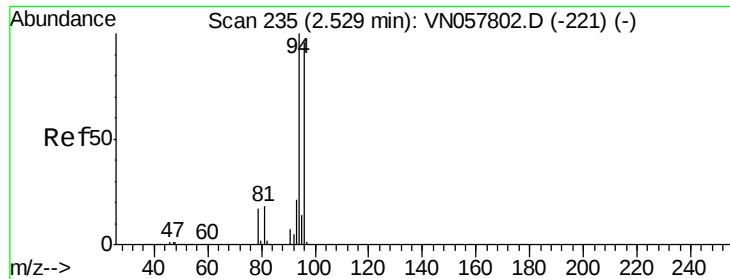
Tgt Ion: 62 Resp: 221285

Ion Ratio Lower Upper

62 100

64 31.8 25.6 38.4





#5

Bromomethane

Concen: 44.019 ug/l

RT: 2.53 min Scan# 236

Delta R.T. 0.00 min

Lab File: VN057859.D

Acq: 10 Sep 2019 13:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 115308

Ion Ratio Lower Upper

94 100

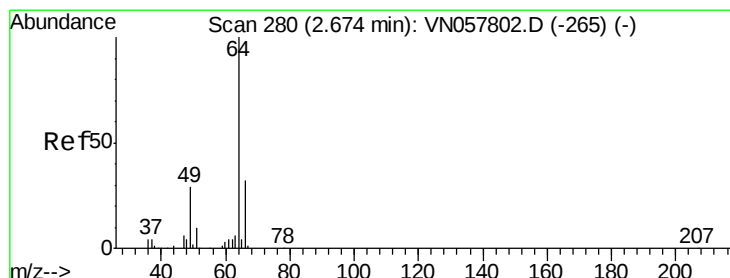
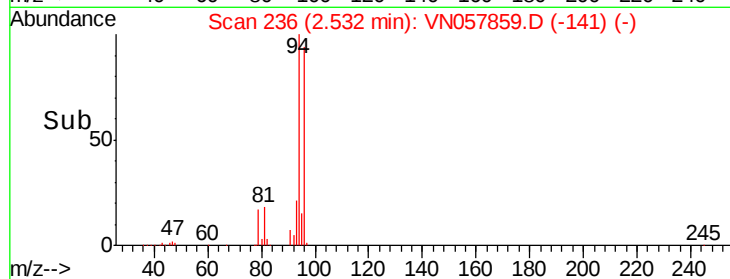
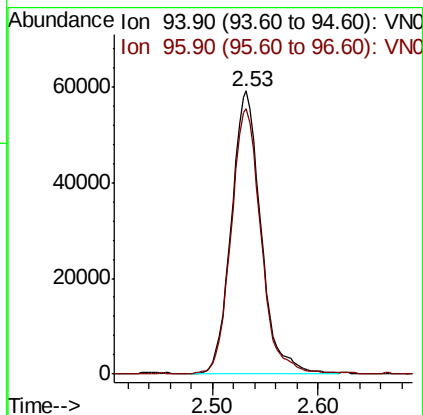
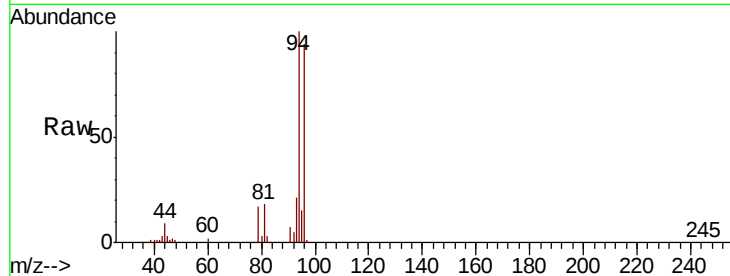
96 93.6 77.0 115.4

Manual Integrations

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#6

Chloroethane

Concen: 46.877 ug/l

RT: 2.68 min Scan# 281

Delta R.T. 0.00 min

Lab File: VN057859.D

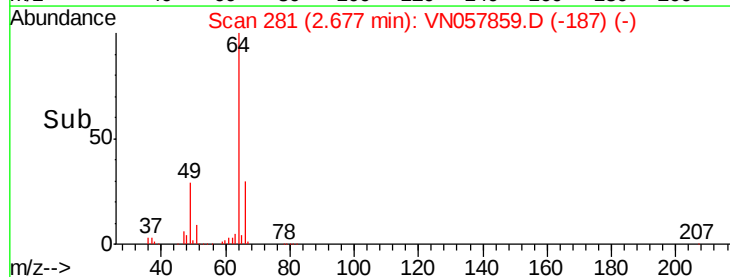
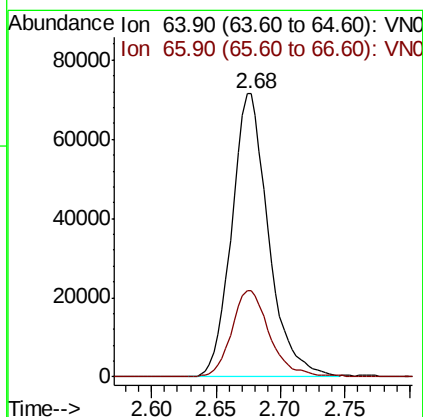
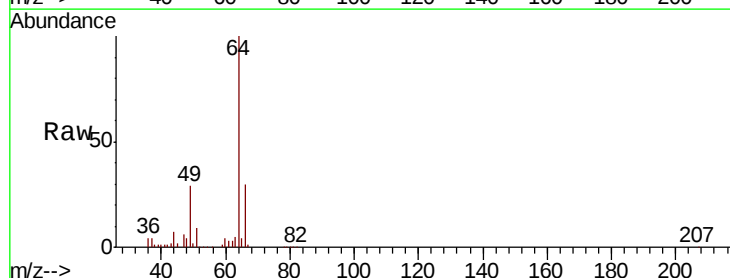
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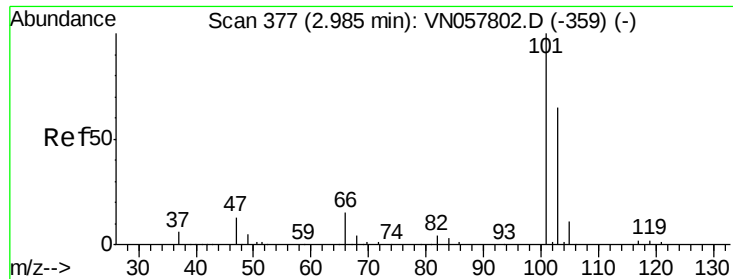
Tgt Ion: 64 Resp: 141805

Ion Ratio Lower Upper

64 100

66 30.3 25.5 38.3





#7

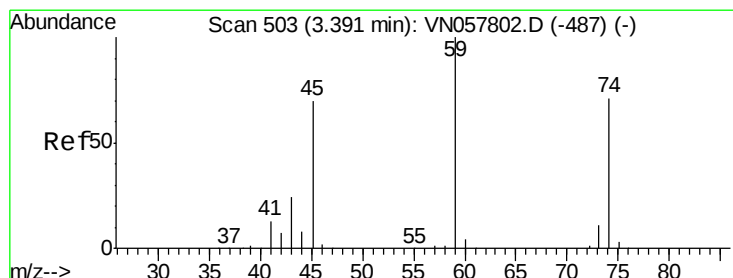
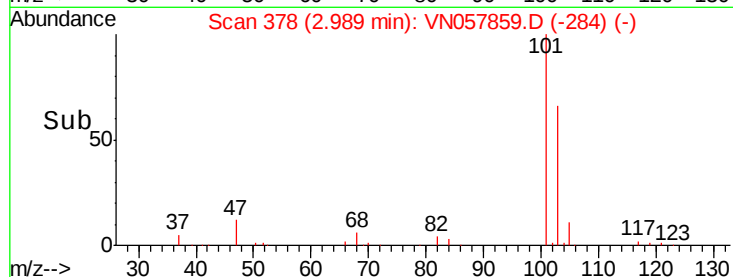
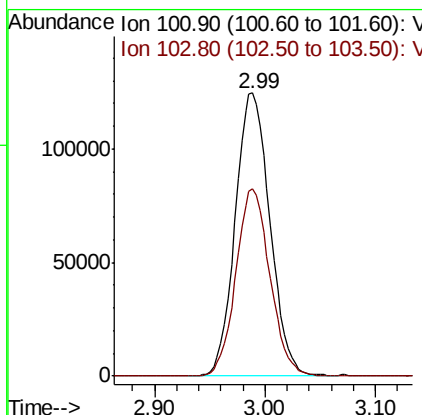
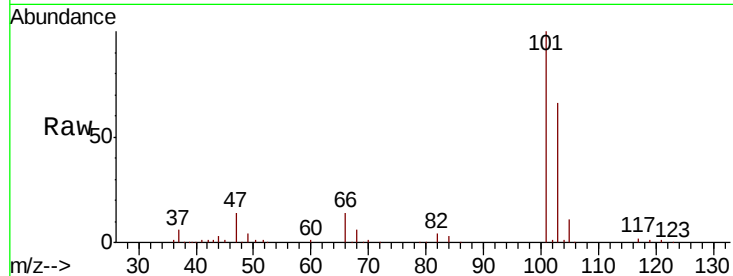
Trichlorofluoromethane
 Concen: 45.503 ug/l
 RT: 2.99 min Scan# 378
 Delta R.T. 0.00 min
 Lab File: VN057859.D
 Acq: 10 Sep 2019 13:51

Instrument :
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 ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	66.3	51.9	77.9

Manual Integrations
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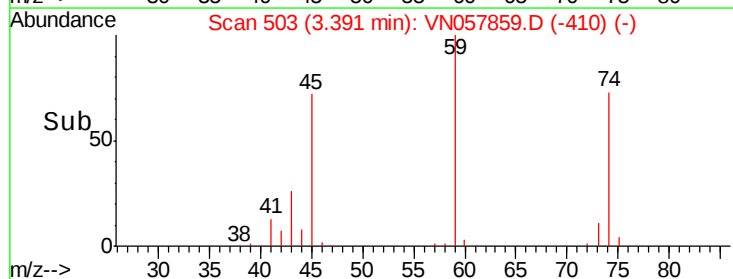
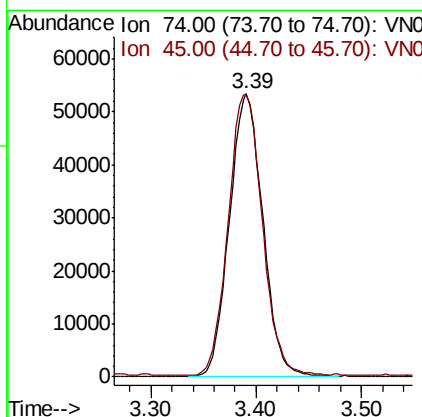
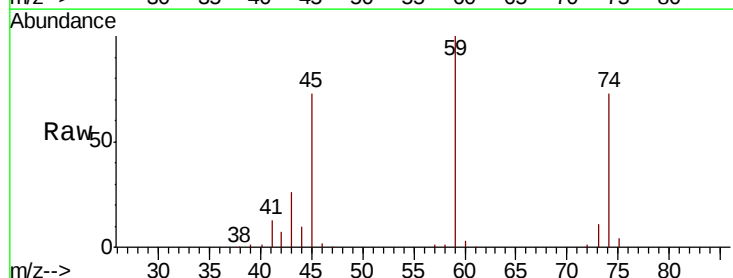
MMDadoda
 9/13/2019 5:16:31 AM

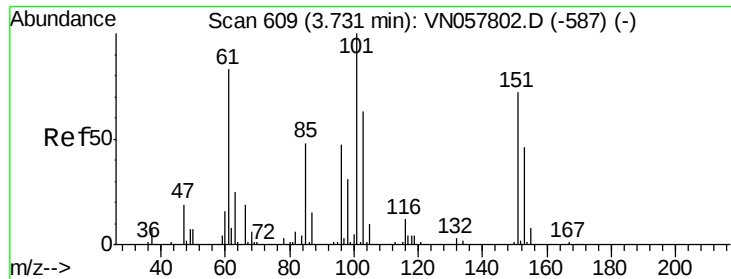


#8

Diethyl Ether
 Concen: 47.161 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. 0.00 min
 Lab File: VN057859.D
 Acq: 10 Sep 2019 13:51

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.1	50.3	151.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.788 ug/l

RT: 3.73 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN057859.D

Acq: 10 Sep 2019 13:51

Instrument :

MSVOA_N

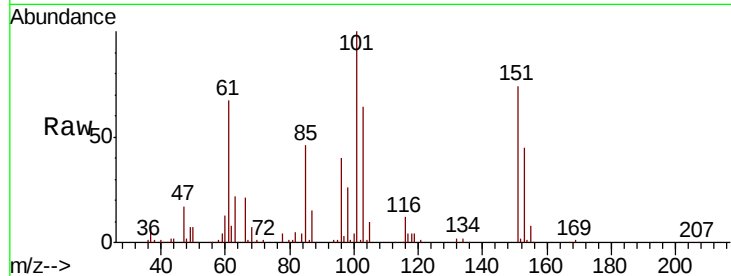
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	176328
Ion Ratio	Lower	Upper	
101	100		
85	46.7	38.1	57.1
151	73.0	58.4	87.6

Manual Integrations
APPROVED

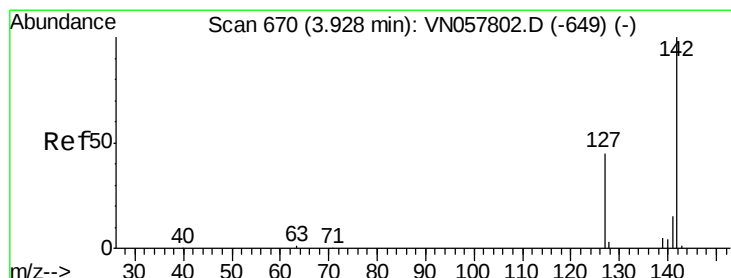
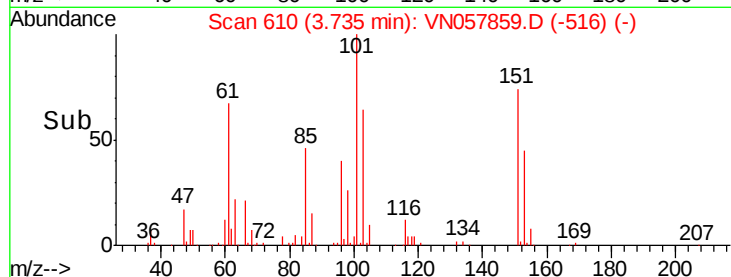
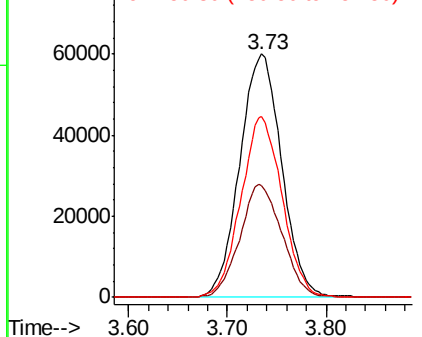
MMDadoda
9/13/2019 5:16:31 AM



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 40.603 ug/l

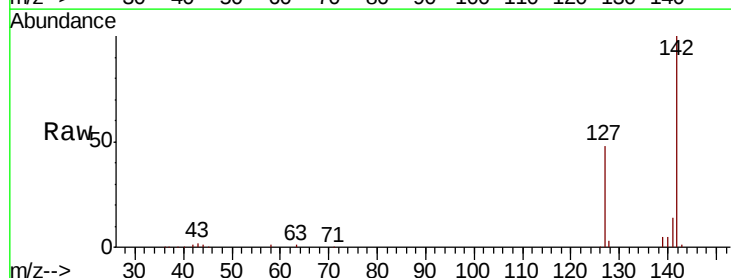
RT: 3.93 min Scan# 670

Delta R.T. 0.00 min

Lab File: VN057859.D

Acq: 10 Sep 2019 13:51

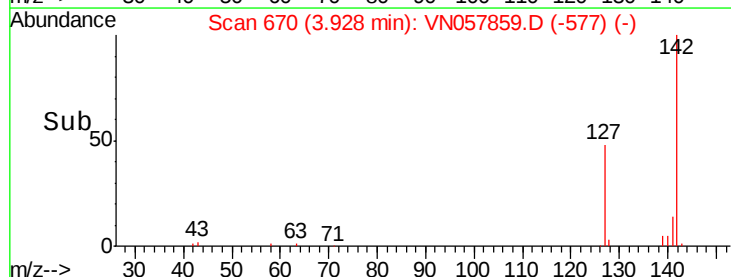
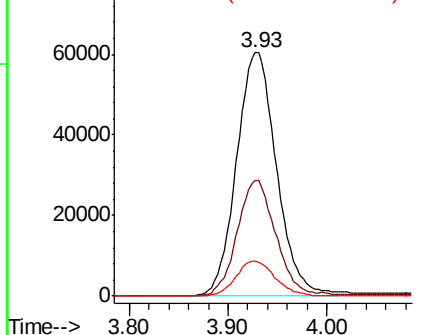
Tgt Ion:	142	Resp:	170280
Ion Ratio	Lower	Upper	
142	100		
127	45.5	36.7	55.1
141	14.0	11.4	17.0

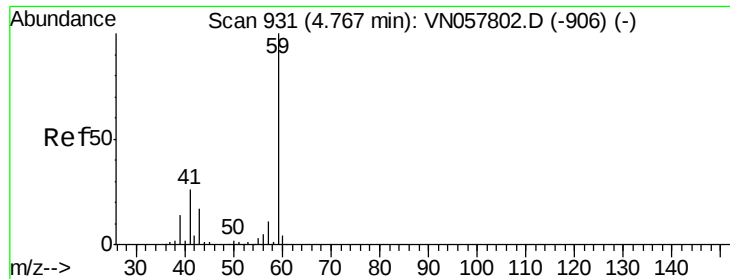


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

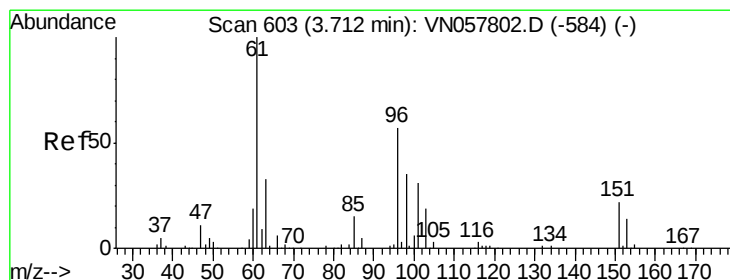
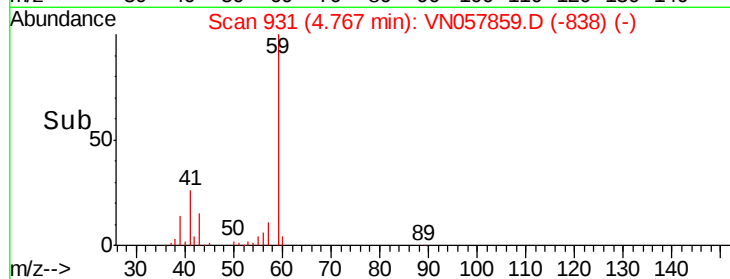
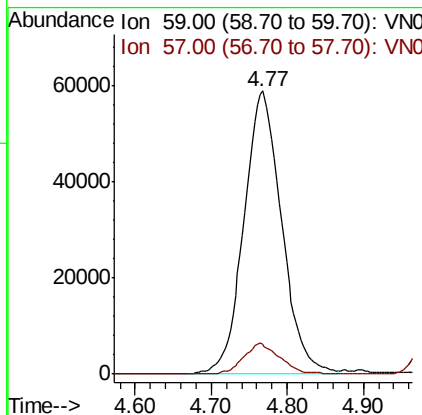
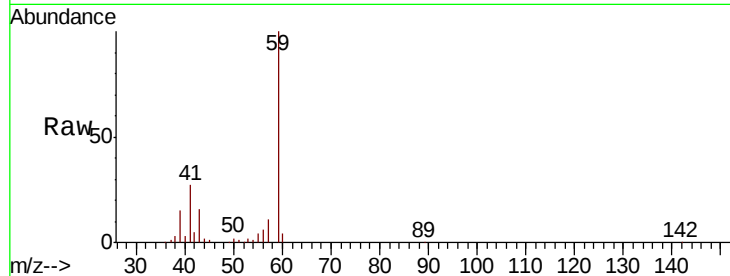
Tert butyl alcohol
Concen: 261.163 ug/l
RT: 4.77 min Scan# 931
Delta R.T. 0.00 min
Lab File: VN057859.D
Acq: 10 Sep 2019 13:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.4	12.6

Manual Integrations
APPROVED

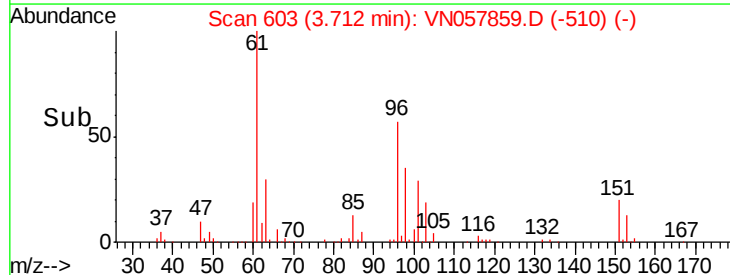
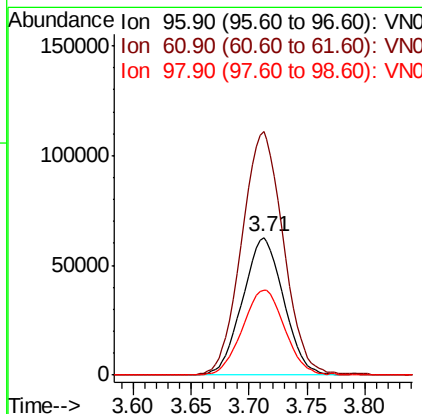
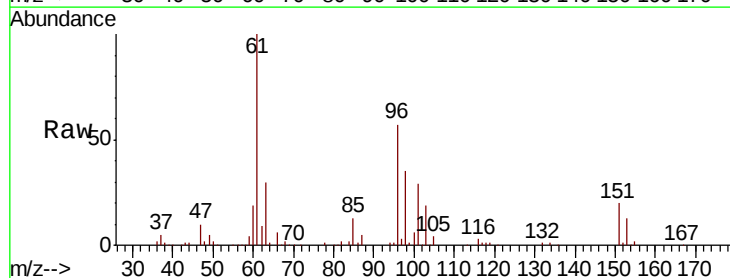
MMDadoda
9/13/2019 5:16:31 AM

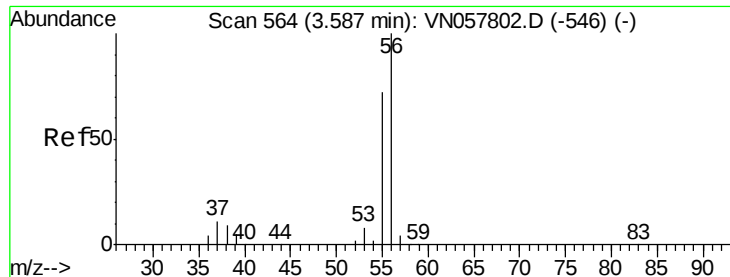


#12

1,1-Dichloroethene
Concen: 45.672 ug/l
RT: 3.71 min Scan# 603
Delta R.T. 0.00 min
Lab File: VN057859.D
Acq: 10 Sep 2019 13:51

Tgt Ion	Ratio	Lower	Upper
96	100		
61	176.9	141.2	211.8
98	62.0	49.9	74.9





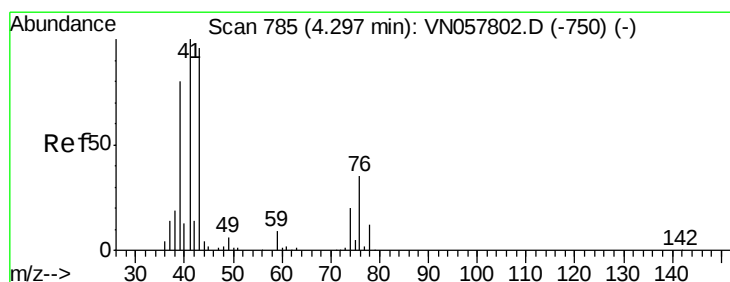
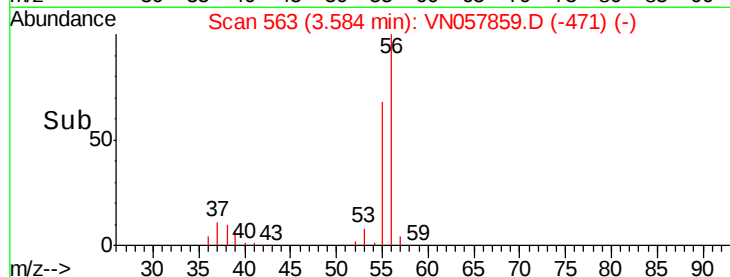
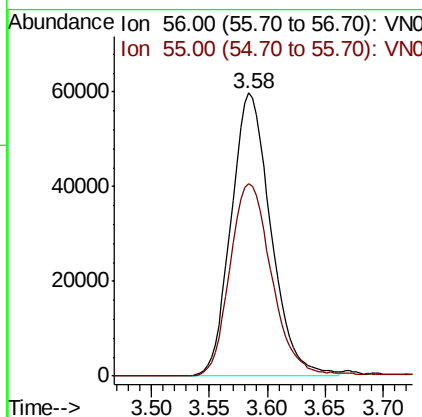
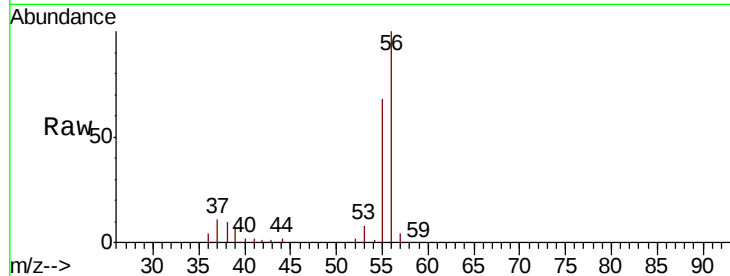
#13
Acrolein
Concen: 214.580 ug/l
RT: 3.58 min Scan# 563
Delta R.T. -0.00 min
Lab File: VN057859.D
Acq: 10 Sep 2019 13:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
55	71.8	57.3	85.9

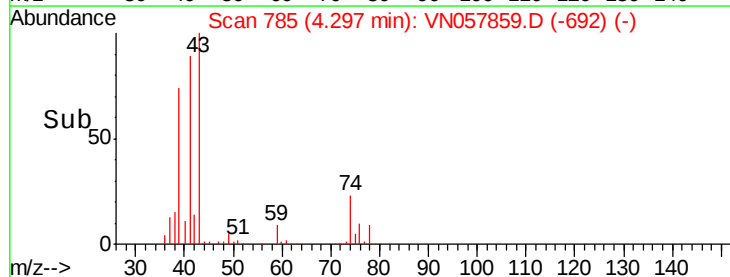
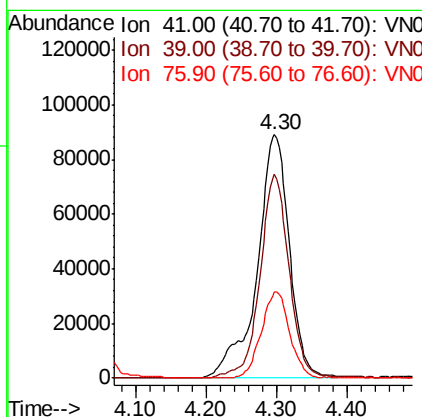
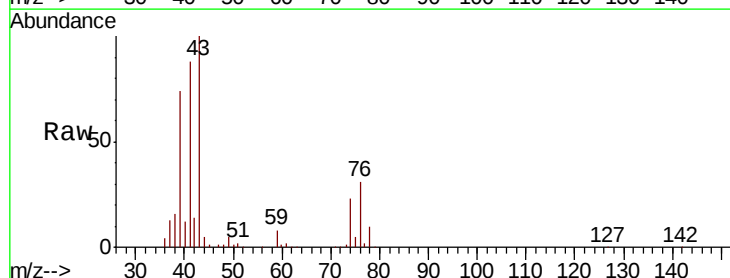
Manual Integrations
APPROVED

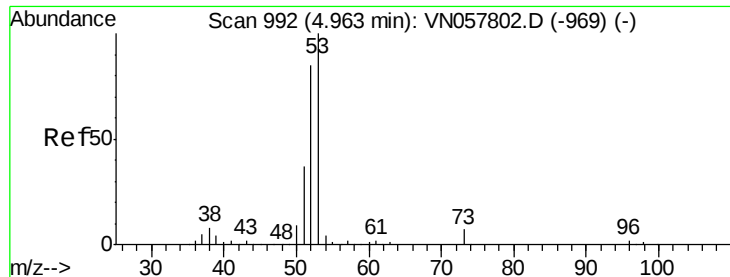
MMDadoda
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#14
Allyl chloride
Concen: 43.023 ug/l
RT: 4.30 min Scan# 785
Delta R.T. 0.00 min
Lab File: VN057859.D
Acq: 10 Sep 2019 13:51

Tgt Ion	Ratio	Lower	Upper
41	100		
39	75.1	59.4	89.2
76	31.1	26.0	39.0





#15

Acrylonitrile

Concen: 248.410 ug/l

RT: 4.96 min Scan# 992

Delta R.T. 0.00 min

Lab File: VN057859.D

Acq: 10 Sep 2019 13:51

Instrument :

MSVOA_N

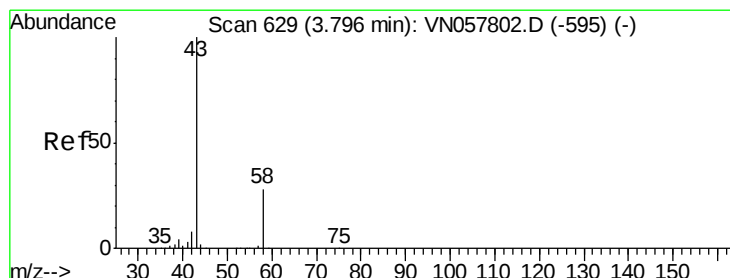
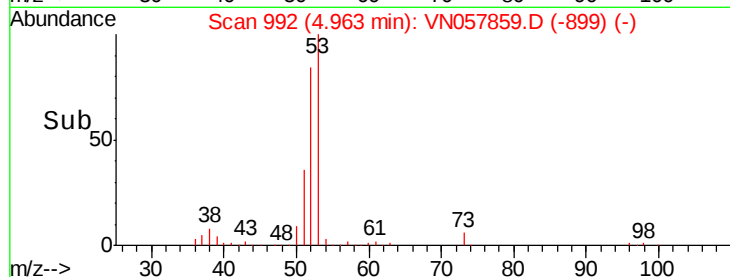
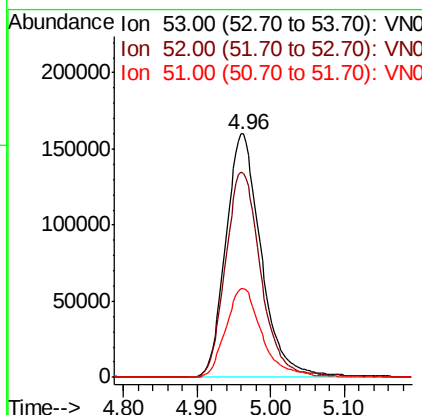
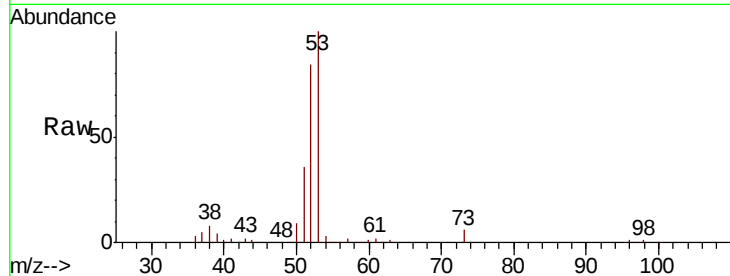
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	532631
Ion	Ratio	Lower	Upper
53	100		
52	84.4	66.6	100.0
51	37.7	29.8	44.8

Manual Integrations
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#16

Acetone

Concen: 215.178 ug/l

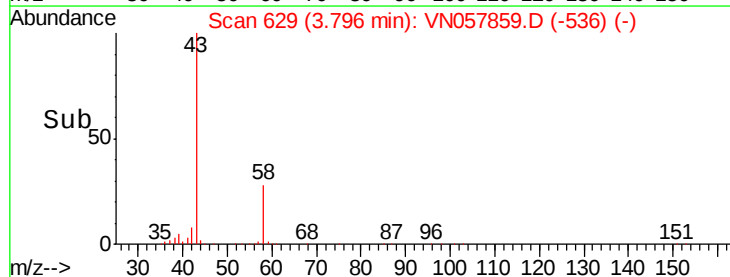
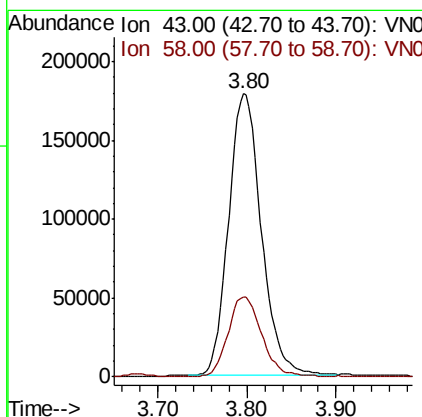
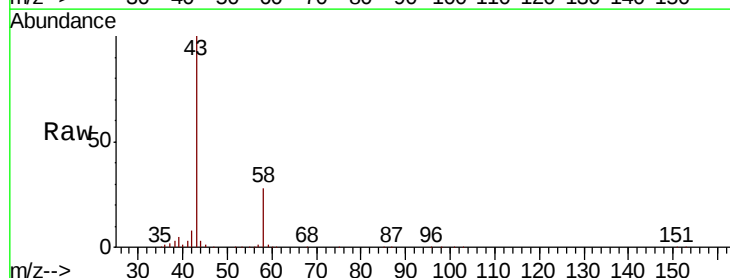
RT: 3.80 min Scan# 629

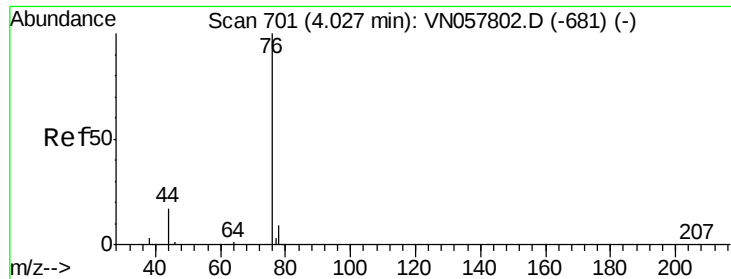
Delta R.T. 0.00 min

Lab File: VN057859.D

Acq: 10 Sep 2019 13:51

Tgt Ion:	43	Resp:	454651
Ion	Ratio	Lower	Upper
43	100		
58	28.3	22.2	33.2





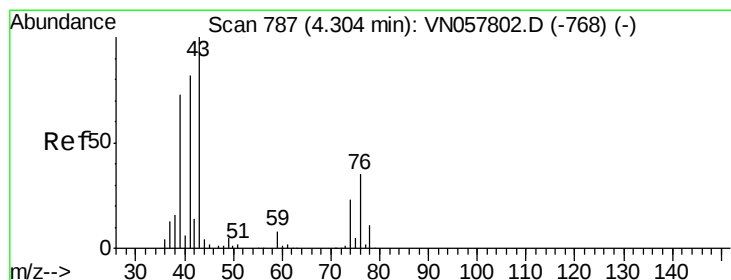
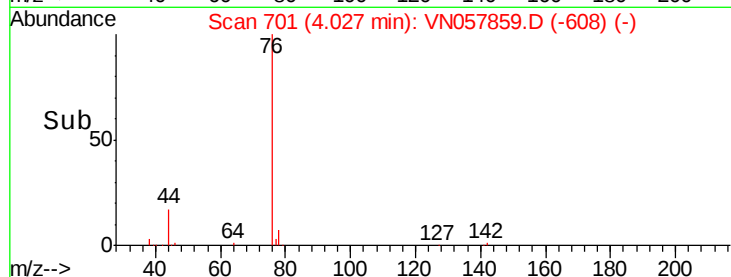
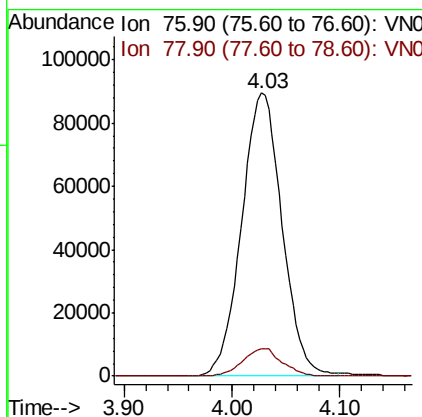
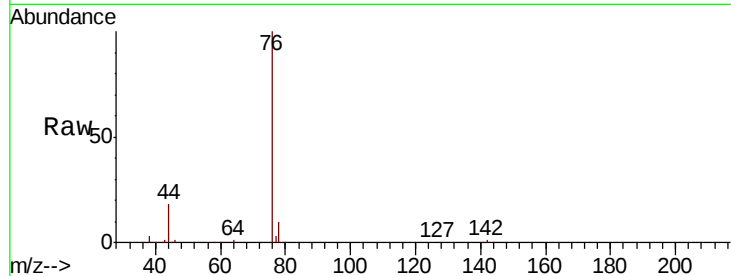
#17
Carbon Disulfide
Concen: 44.258 ug/l
RT: 4.03 min Scan# 701
Delta R.T. 0.00 min
Lab File: VN057859.D
Acq: 10 Sep 2019 13:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.1	10.7

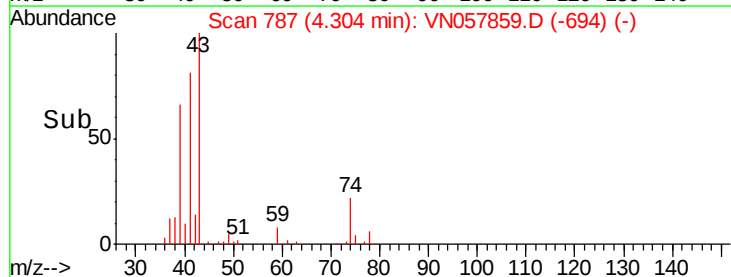
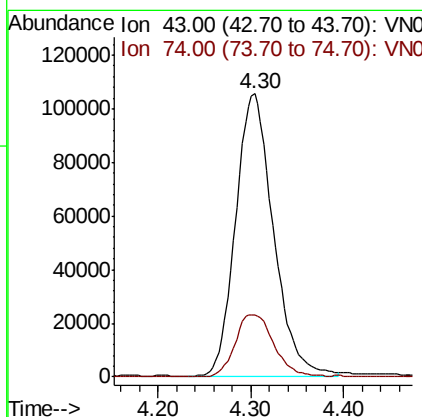
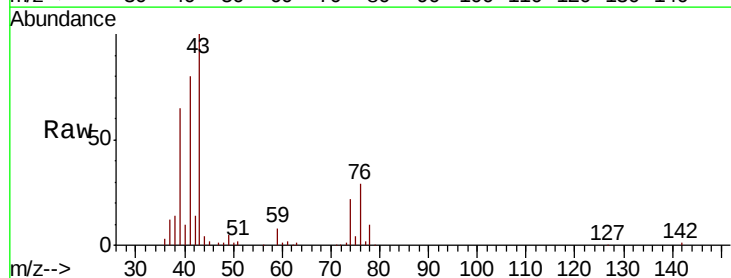
Manual Integrations
APPROVED

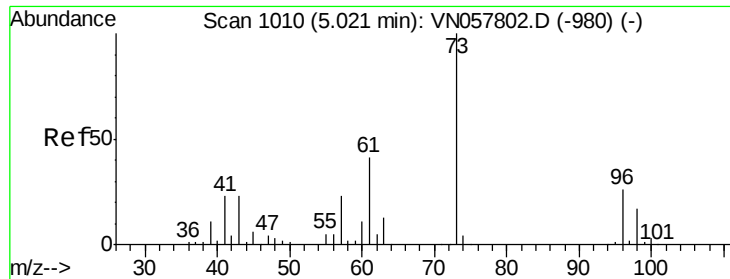
MMDadoda
9/13/2019 5:16:31 AM



#18
Methyl Acetate
Concen: 52.819 ug/l
RT: 4.30 min Scan# 787
Delta R.T. 0.00 min
Lab File: VN057859.D
Acq: 10 Sep 2019 13:51

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.7	17.9	26.9





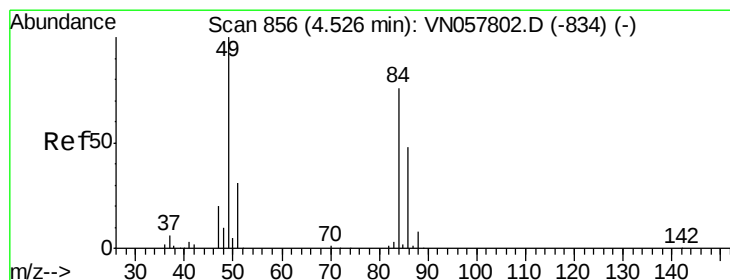
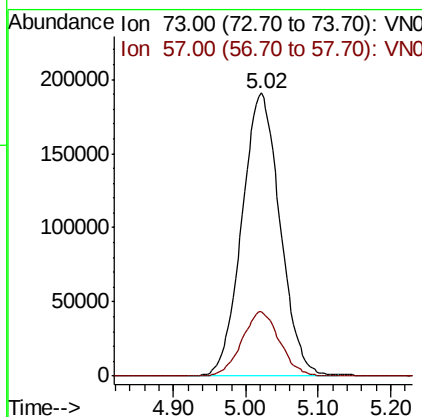
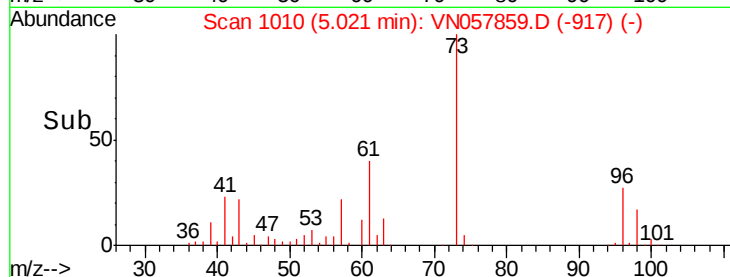
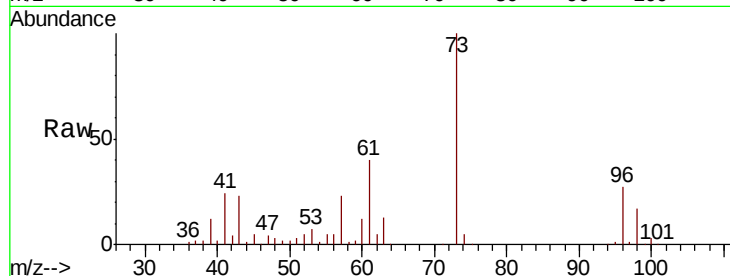
#19
Methvl tert-butvl Ether
Concen: 49.553 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN057859.D
Acq: 10 Sep 2019 13:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 698777
Ion Ratio Lower Upper
73 100
57 22.6 18.2 27.2

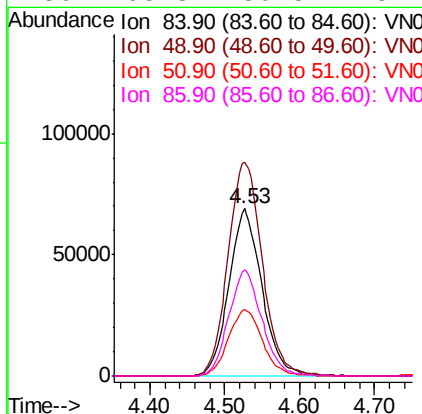
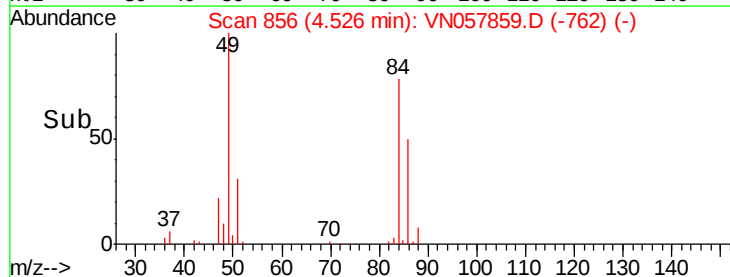
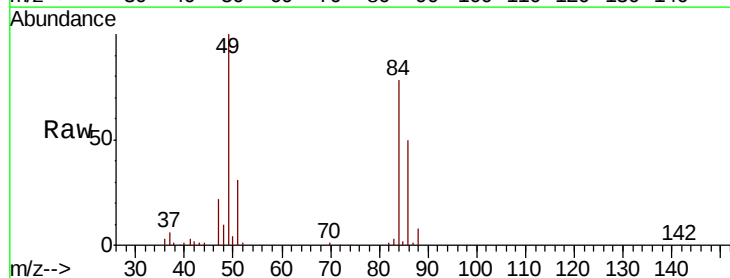
Manual Integrations
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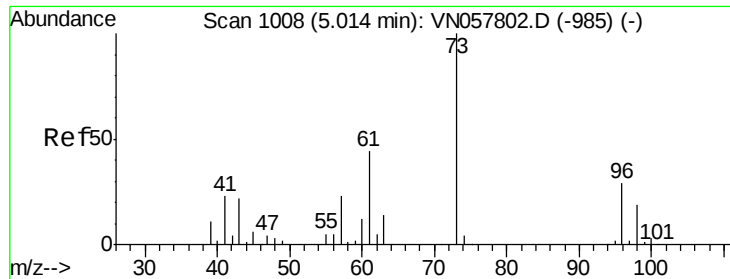
MMDadoda
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#20
Methylene Chloride
Concen: 52.762 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN057859.D
Acq: 10 Sep 2019 13:51

Tgt Ion: 84 Resp: 211954
Ion Ratio Lower Upper
84 100
49 127.7 104.8 157.2
51 39.9 33.0 49.4
86 63.3 50.5 75.7





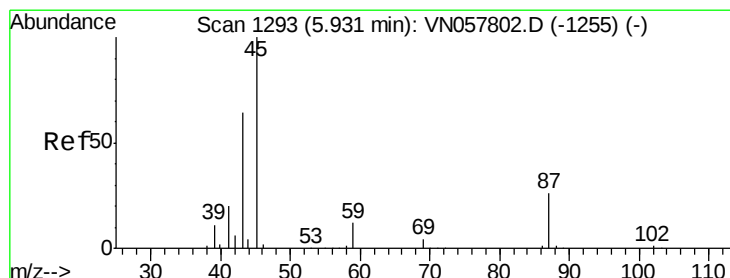
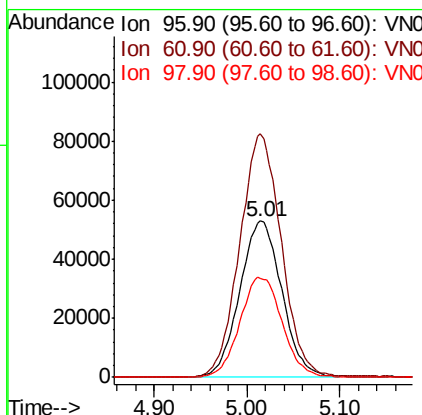
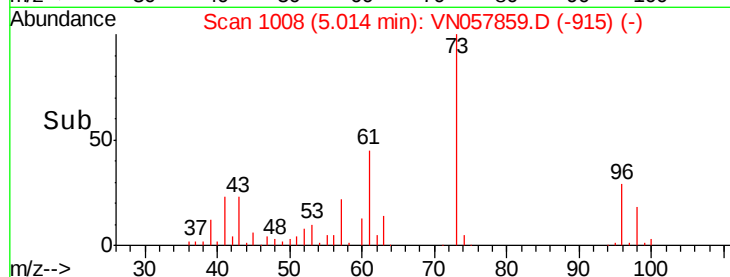
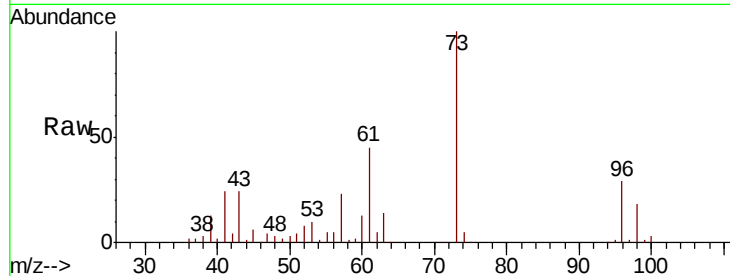
#21
trans-1,2-Dichloroethene
Concen: 45.661 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. 0.00 min
Lab File: VN057859.D
Acq: 10 Sep 2019 13:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	156.0	121.9	182.9
98	63.4	52.2	78.4

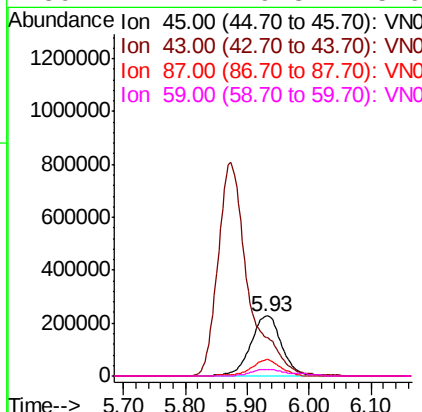
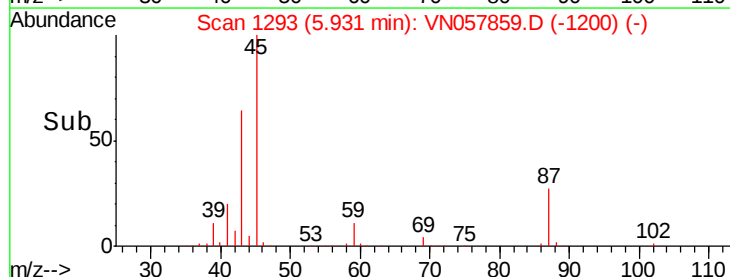
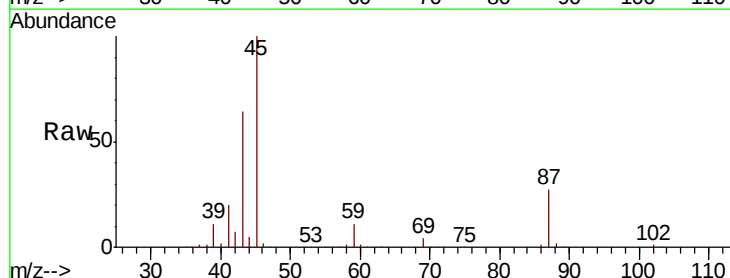
Manual Integrations
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#22
Diisopropyl ether
Concen: 50.530 ug/l
RT: 5.93 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VN057859.D
Acq: 10 Sep 2019 13:51

Tgt Ion	Ratio	Lower	Upper
45	100		
43	64.2	51.4	77.2
87	26.6	21.3	31.9
59	11.1	9.3	13.9





#23

Vinyl Acetate

Concen: 250.498 ug/l

RT: 5.87 min Scan# 1275

Delta R.T. 0.00 min

Lab File: VN057859.D

Acq: 10 Sep 2019 13:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 2760757

Ion Ratio Lower Upper

43 100

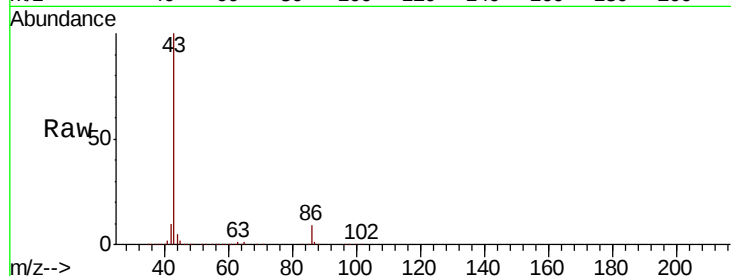
86 9.5 7.7 11.5

Manual Integrations

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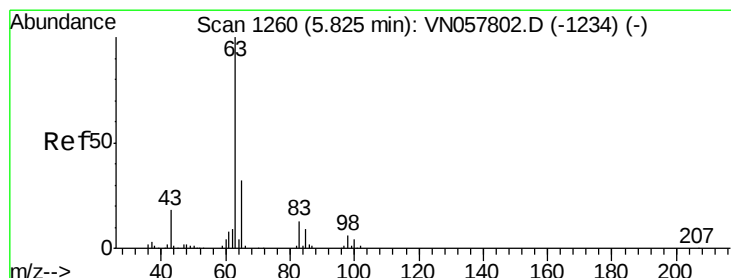
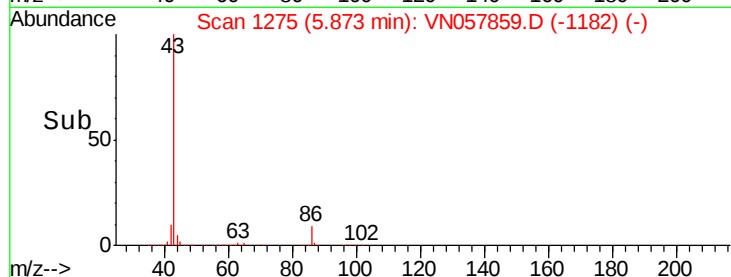
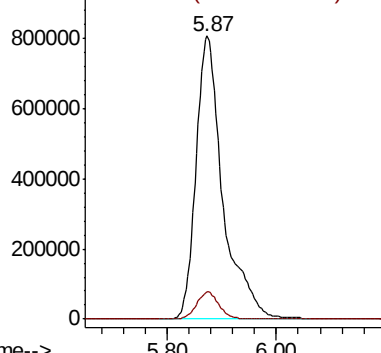
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 49.170 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VN057859.D

Acq: 10 Sep 2019 13:51

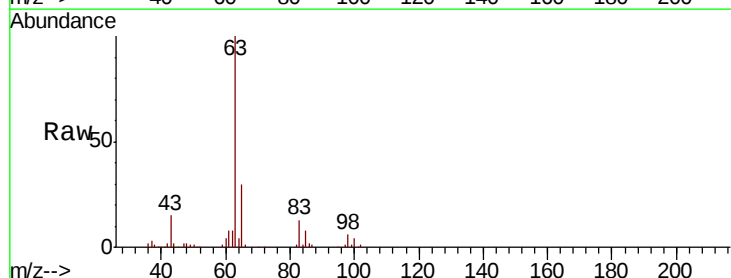
Tgt Ion: 63 Resp: 417898

Ion Ratio Lower Upper

63 100

98 5.8 3.0 9.2

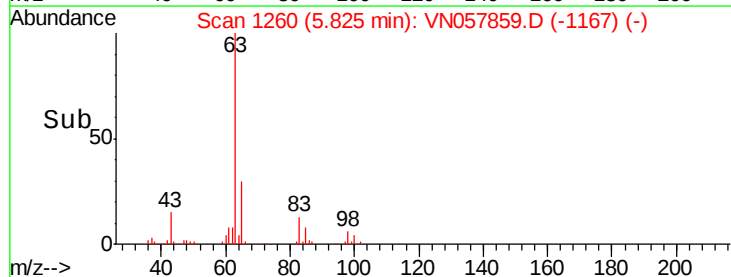
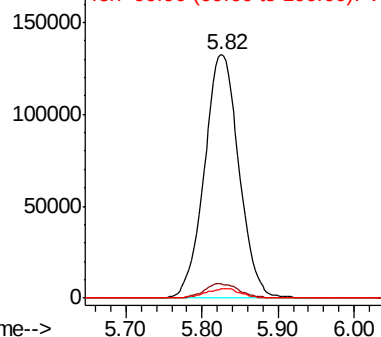
100 3.7 2.0 5.8

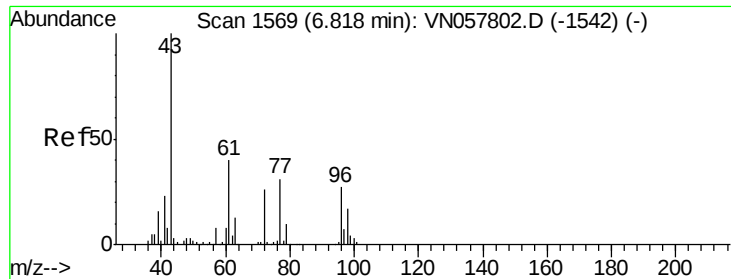


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 242.551 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VN057859.D

Acq: 10 Sep 2019 13:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 741751

Ion Ratio Lower Upper

43 100

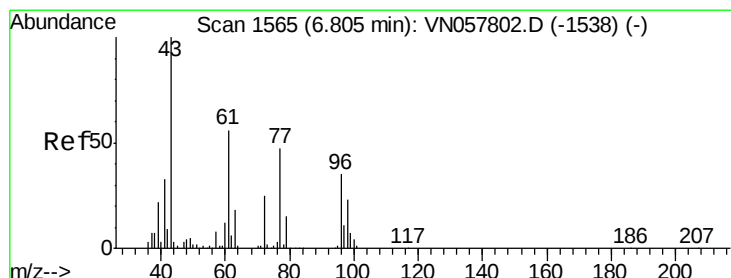
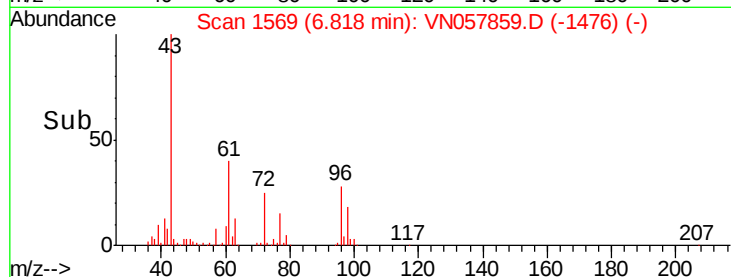
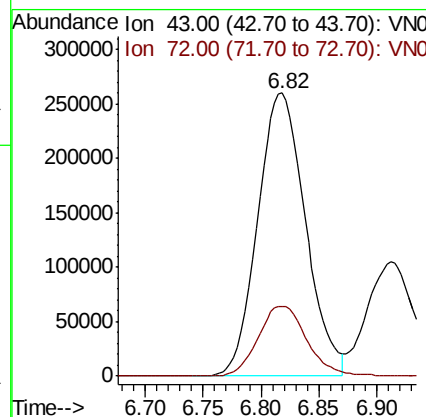
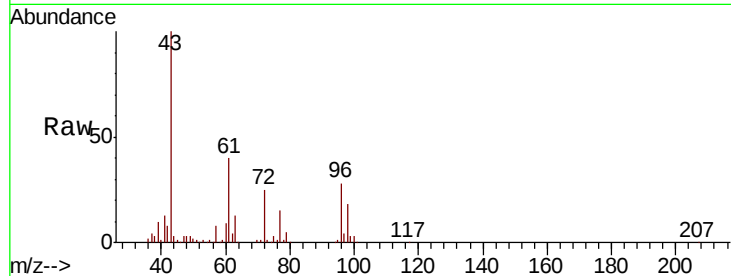
72 24.7 20.6 30.8

Manual Integrations

APPROVED

MMDadoda

9/13/2019 5:16:31 AM



#26

2,2-Dichloropropane

Concen: 23.668 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN057859.D

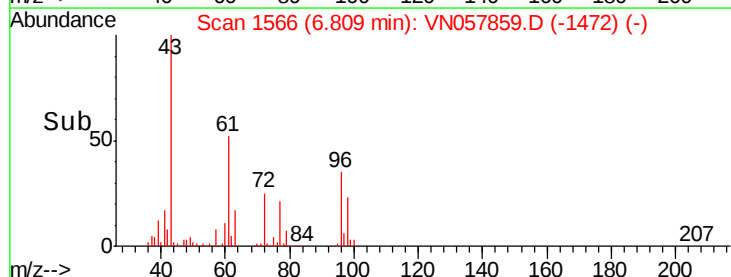
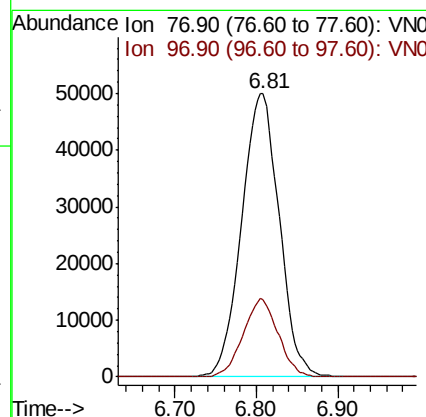
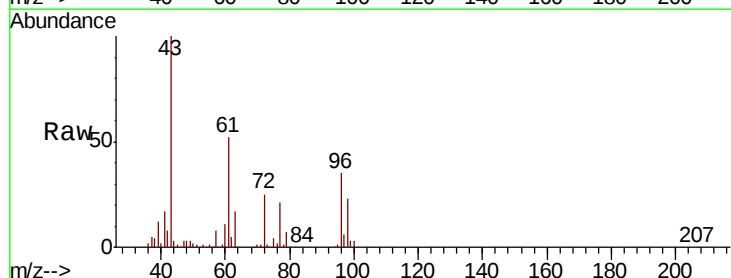
Acq: 10 Sep 2019 13:51

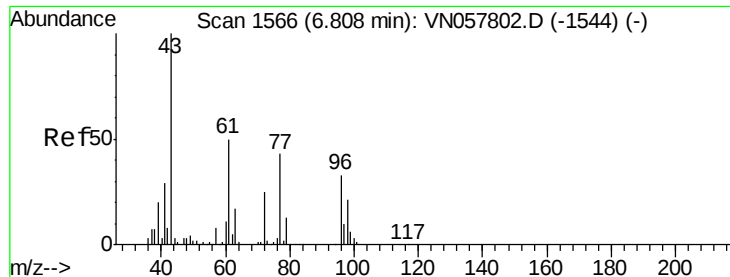
Tgt Ion: 77 Resp: 159190

Ion Ratio Lower Upper

77 100

97 25.5 11.1 33.3





#27

cis-1,2-Dichloroethene

Concen: 48.076 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN057859.D

Acq: 10 Sep 2019 13:51

Instrument :

MSVOA_N

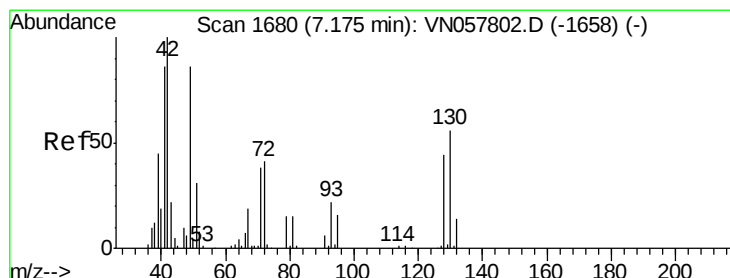
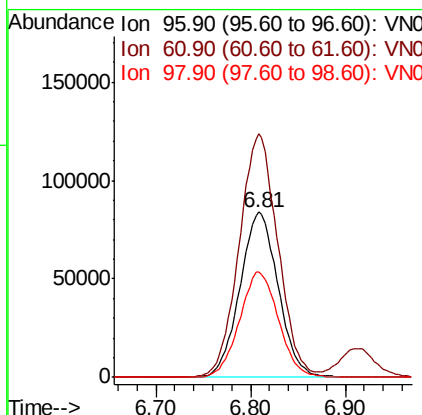
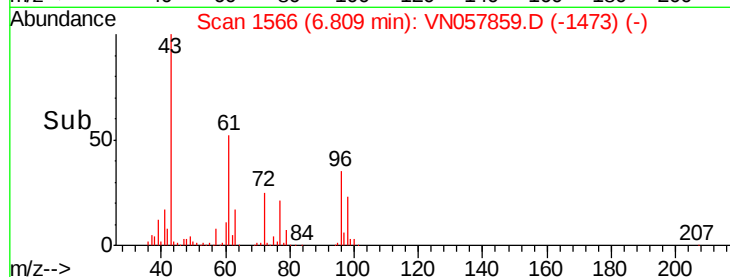
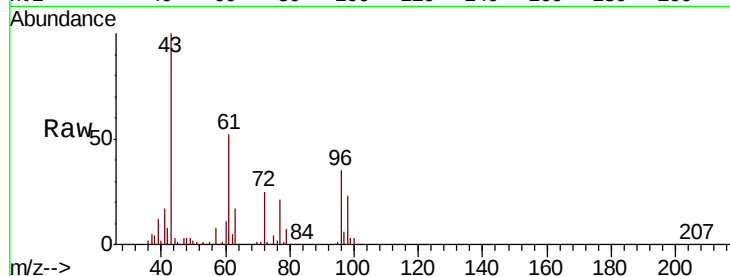
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	236000
Ion	Ratio	Lower	Upper
96	100		
61	148.7	0.0	314.0
98	65.2	0.0	128.6

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#28

Bromochloromethane

Concen: 49.313 ug/l

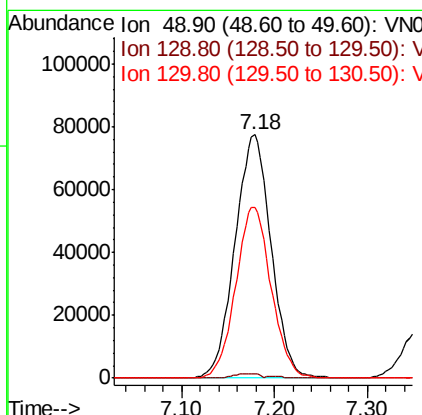
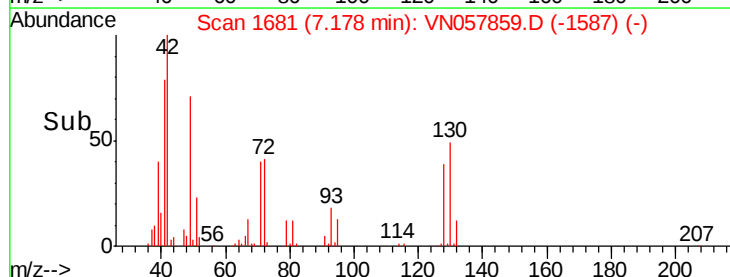
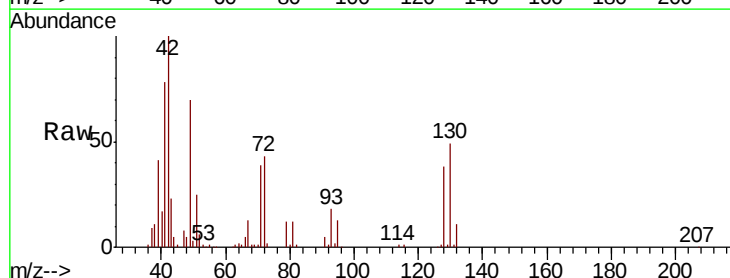
RT: 7.18 min Scan# 1681

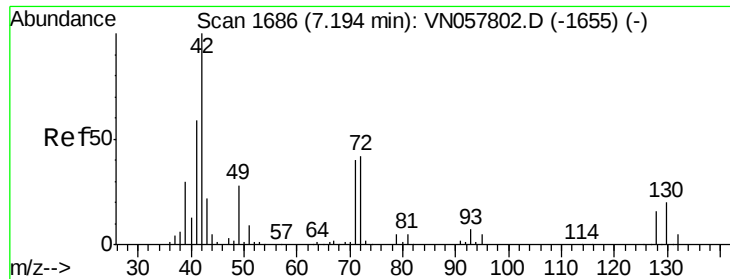
Delta R.T. 0.00 min

Lab File: VN057859.D

Acq: 10 Sep 2019 13:51

Tgt Ion:	49	Resp:	209385
Ion	Ratio	Lower	Upper
49	100		
129	1.3	0.0	3.8
130	68.7	53.0	79.6





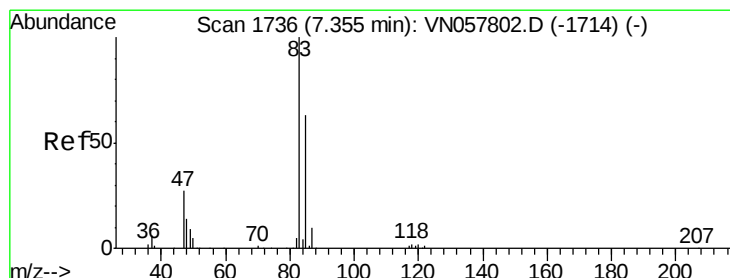
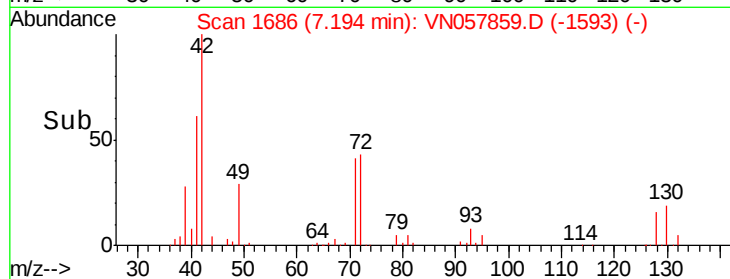
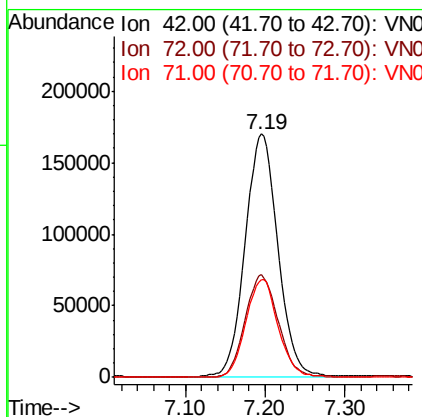
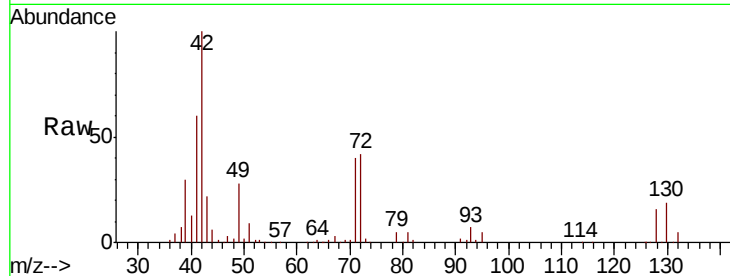
#29
Tetrahydrofuran
Concen: 250.931 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VN057859.D
Acq: 10 Sep 2019 13:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.7	33.7	50.5
71	39.8	31.9	47.9

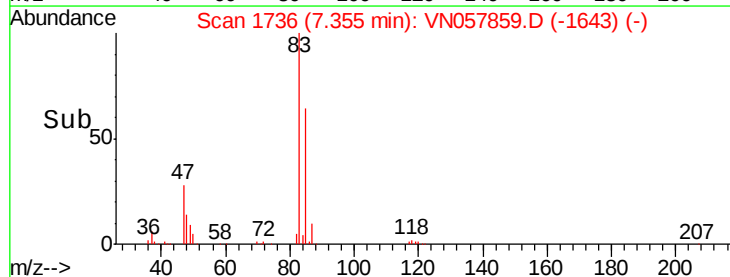
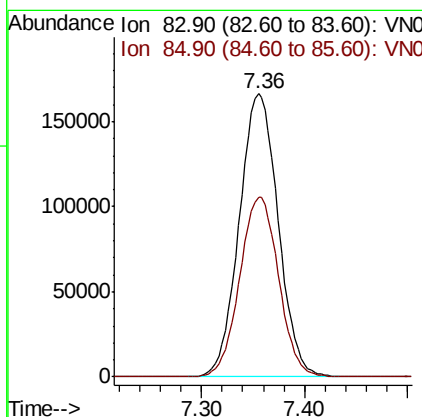
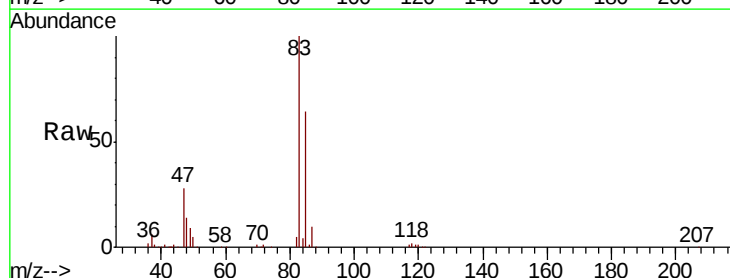
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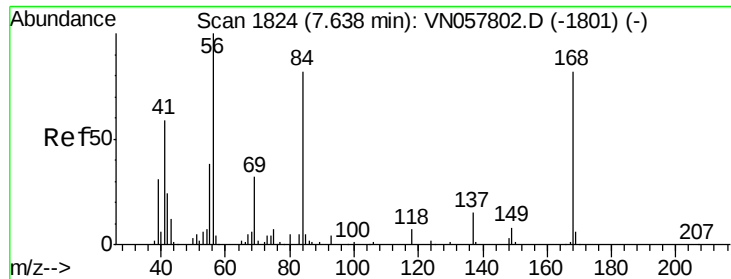
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#30
Chloroform
Concen: 49.135 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN057859.D
Acq: 10 Sep 2019 13:51

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.7	50.6	75.8





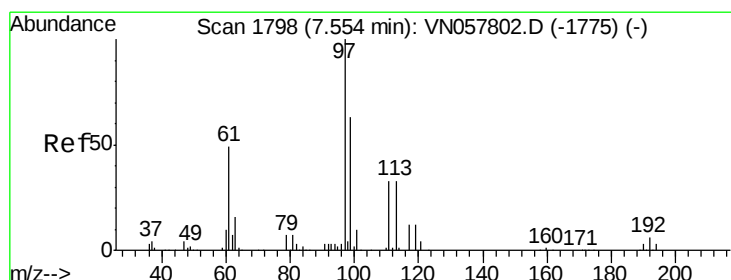
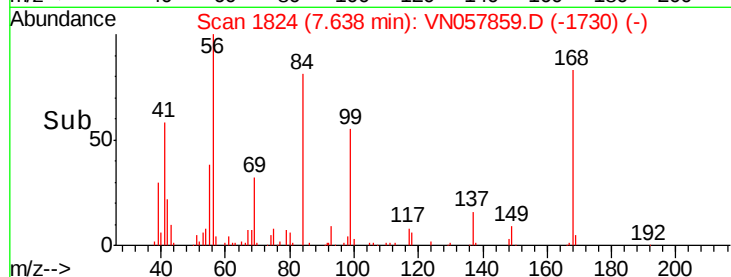
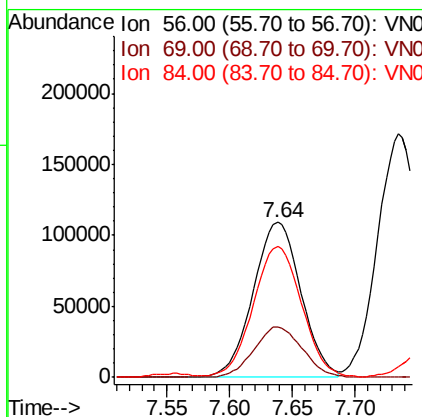
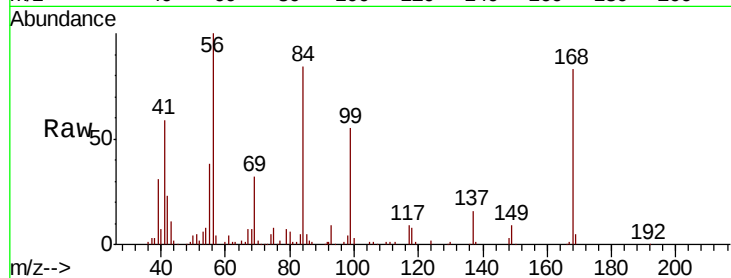
#31
Cyclohexane
Concen: 50.187 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.00 min
Lab File: VN057859.D
Acq: 10 Sep 2019 13:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
56	100	290623		
69	32.4		25.9	38.9
84	82.8		65.6	98.4

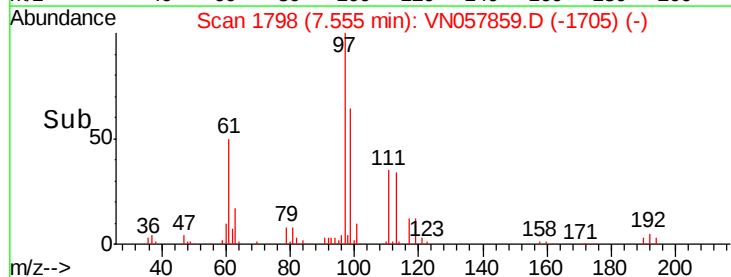
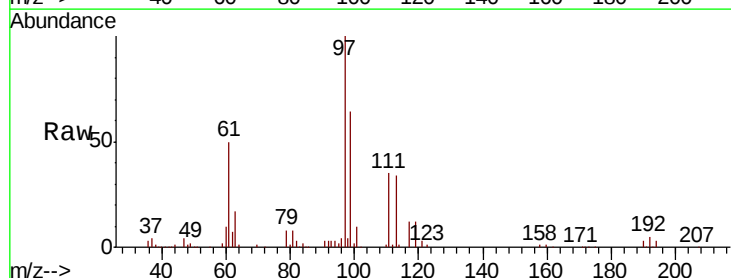
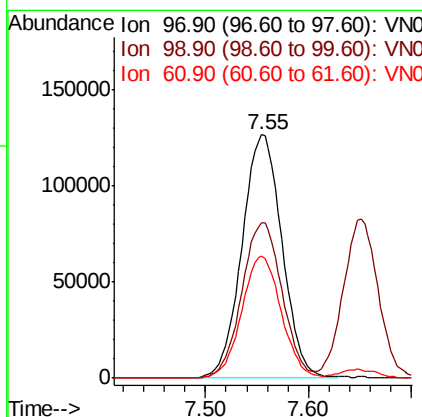
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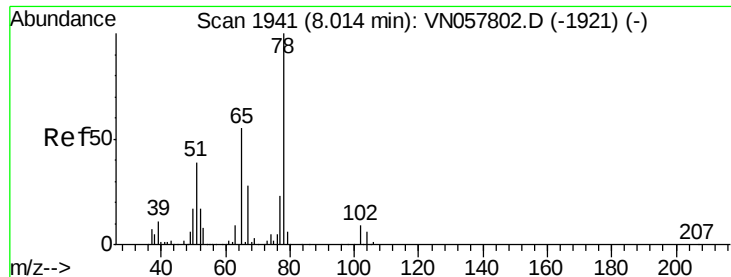
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#32
1,1,1-Trichloroethane
Concen: 48.450 ug/l
RT: 7.55 min Scan# 1798
Delta R.T. 0.00 min
Lab File: VN057859.D
Acq: 10 Sep 2019 13:51

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	341470		
99	64.2		51.0	76.4
61	49.5		39.0	58.6





#33

1,2-Dichloroethane-d4

Concen: 51.546 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. -0.00 min

Lab File: VN057859.D

Acq: 10 Sep 2019 13:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 332234

Ion Ratio Lower Upper

65 100

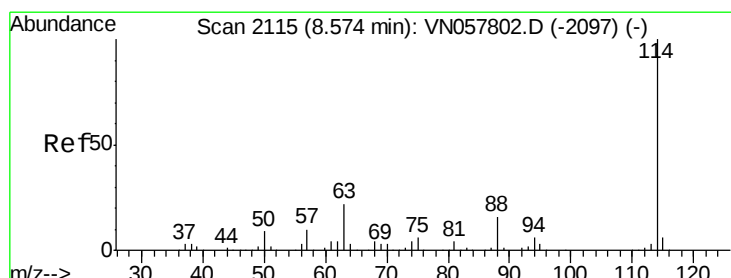
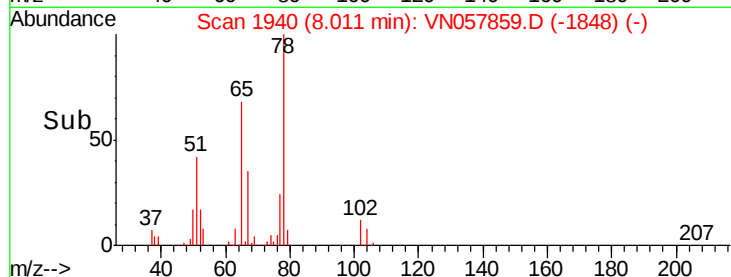
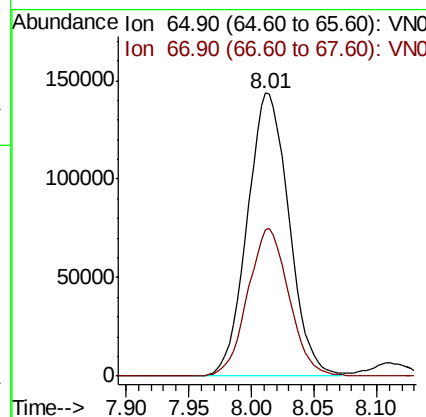
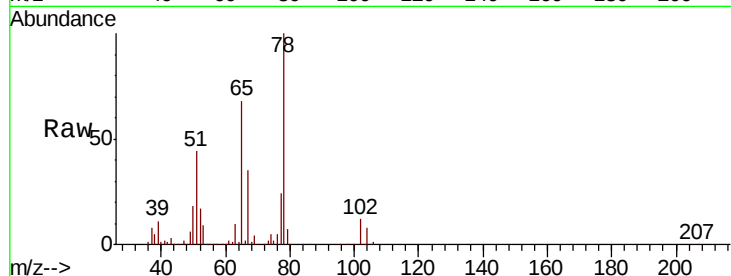
67 51.8 0.0 104.0

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2115

Delta R.T. 0.00 min

Lab File: VN057859.D

Acq: 10 Sep 2019 13:51

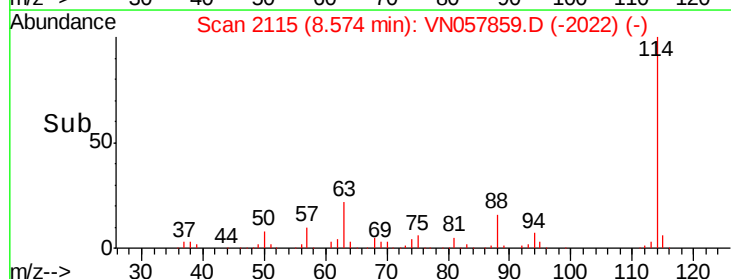
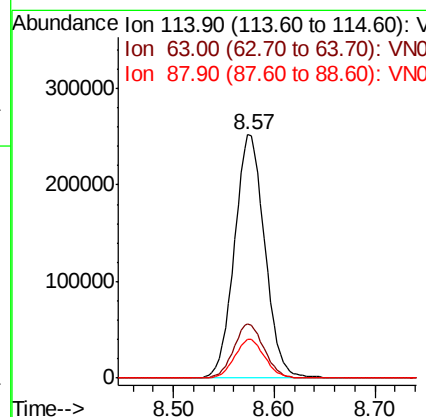
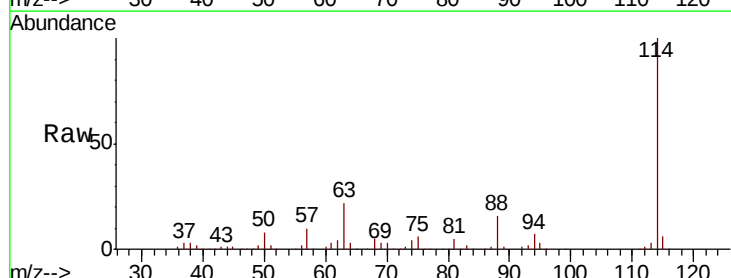
Tgt Ion: 114 Resp: 526865

Ion Ratio Lower Upper

114 100

63 22.3 0.0 44.0

88 15.8 0.0 31.4





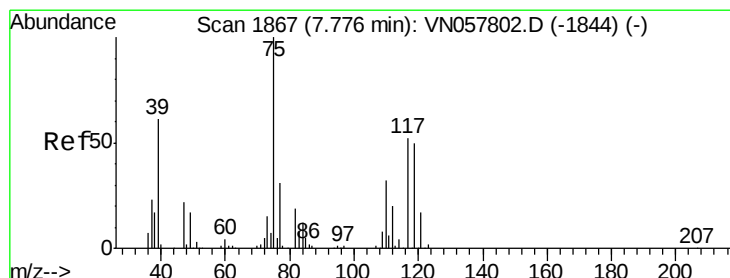
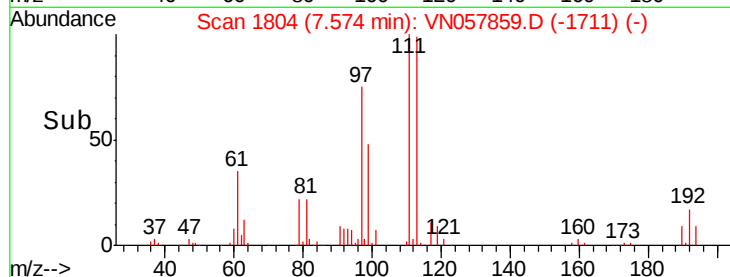
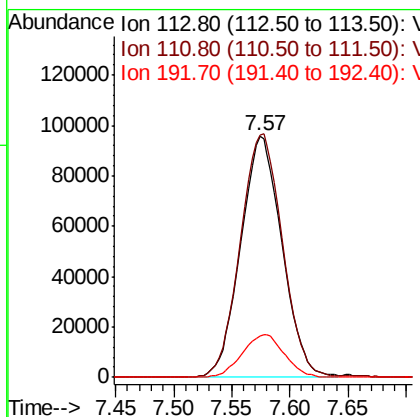
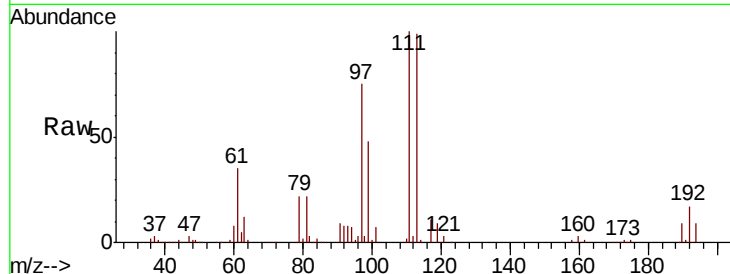
#35
 Dibromofluoromethane
 Concen: 48.775 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN057859.D
 Acq: 10 Sep 2019 13:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	237180		
111	103.1	81.3	121.9	
192	18.2	14.6	22.0	

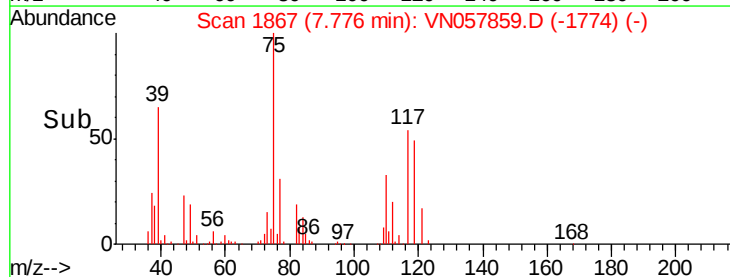
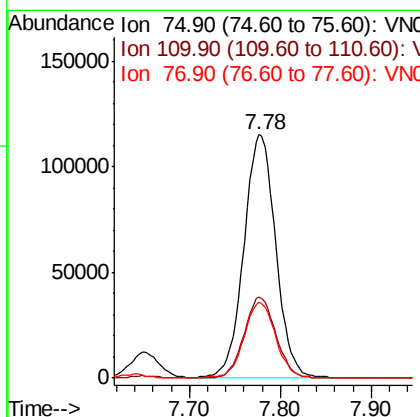
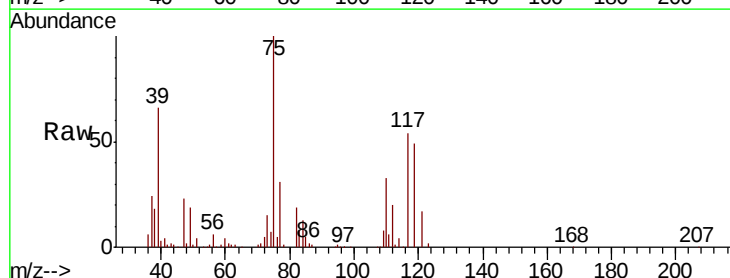
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#36
 1,1-Dichloropropene
 Concen: 45.529 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN057859.D
 Acq: 10 Sep 2019 13:51

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	278191		
110	33.3	16.3	48.9	
77	31.4	25.0	37.4	





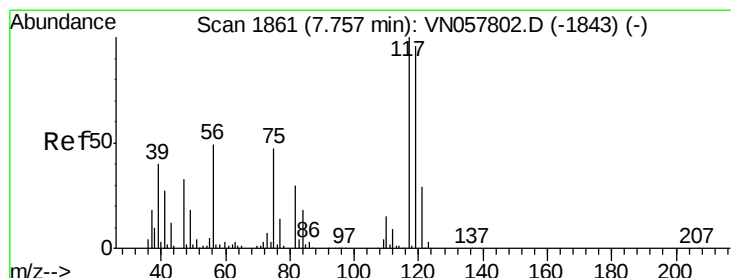
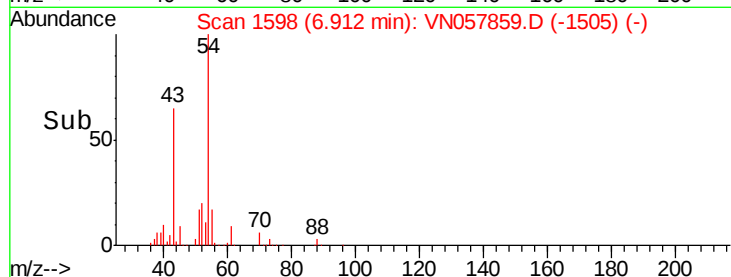
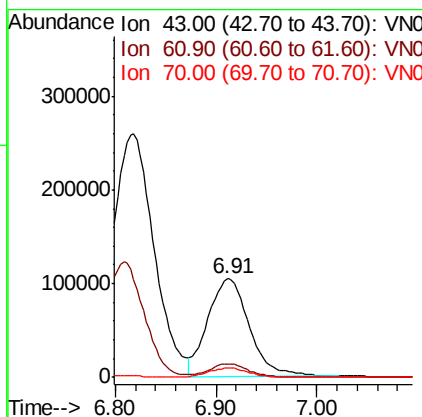
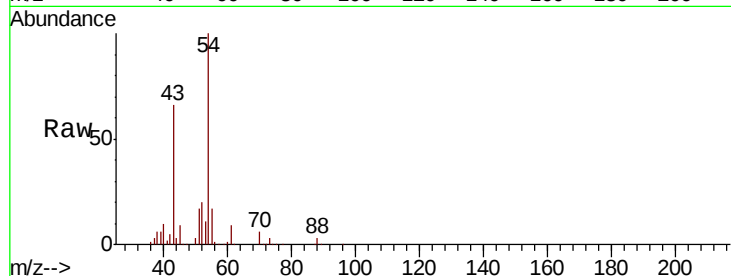
#37
Ethyl Acetate
Concen: 47.467 ug/l
RT: 6.91 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VN057859.D
Acq: 10 Sep 2019 13:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	299659
Ion Ratio	100	Lower	Upper
43	100		
61	13.0	10.5	15.7
70	9.4	7.4	11.0

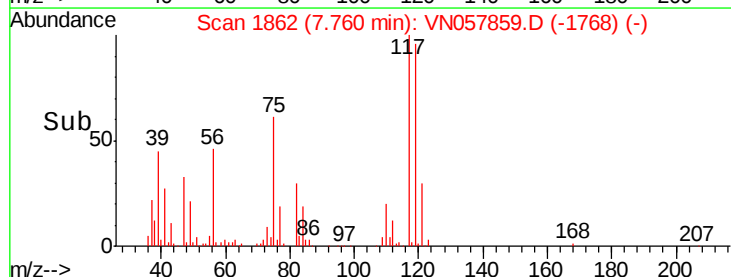
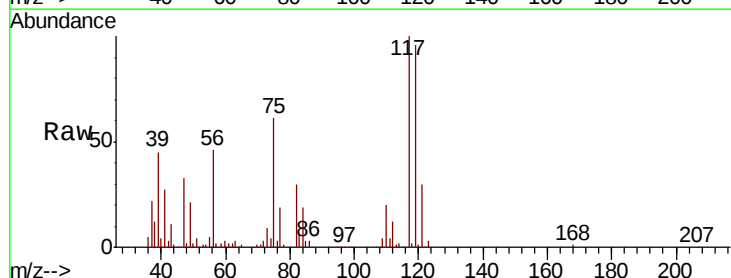
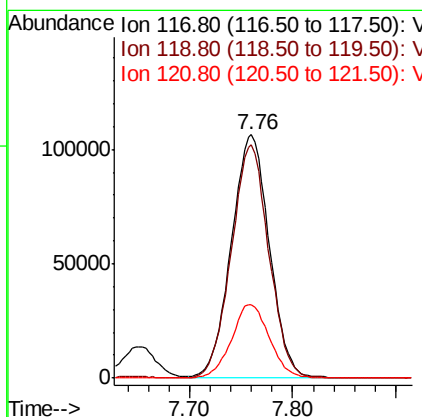
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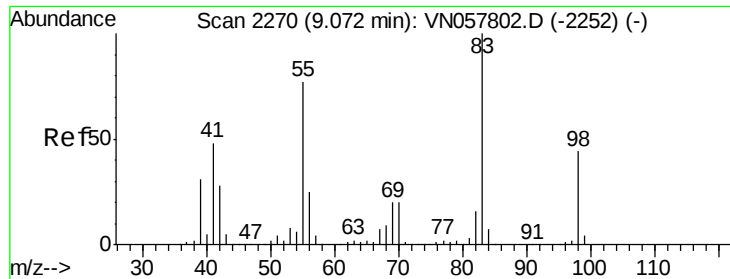
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#38
Carbon Tetrachloride
Concen: 48.727 ug/l
RT: 7.76 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VN057859.D
Acq: 10 Sep 2019 13:51

Tgt Ion	117	Resp	271829
Ion Ratio	100	Lower	Upper
117	100		
119	95.7	76.9	115.3
121	30.3	23.4	35.2





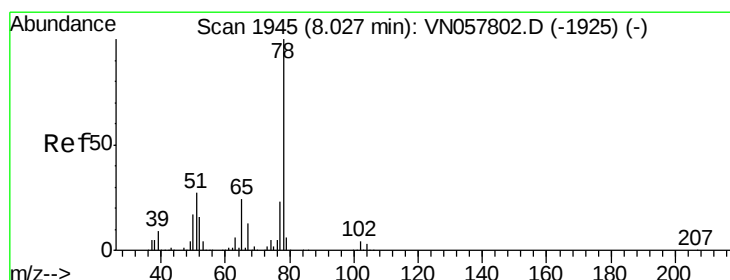
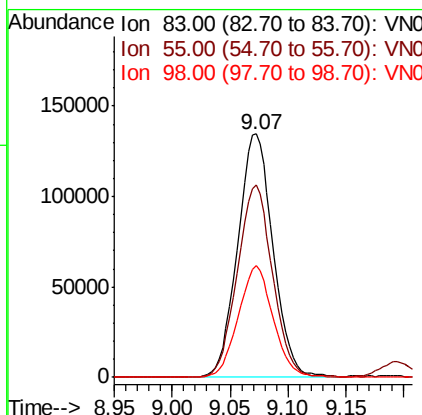
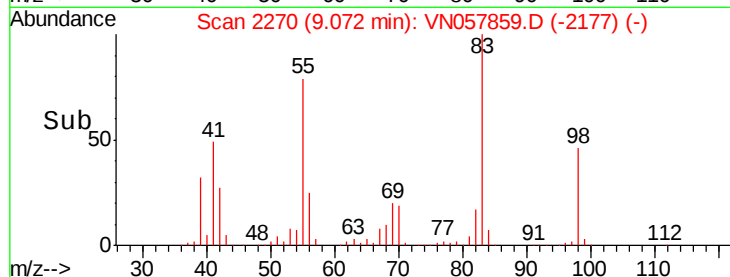
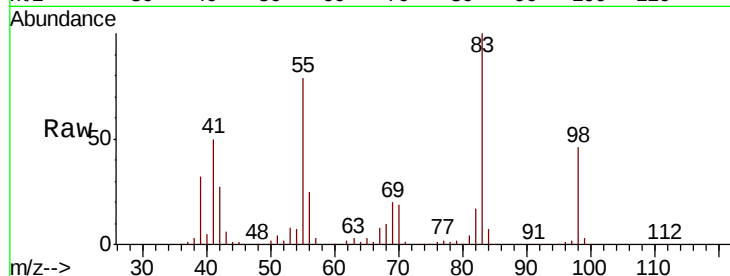
#39
Methylvlcyclohexane
Concen: 44.494 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN057859.D
Acq: 10 Sep 2019 13:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.8	61.6	92.4
98	45.7	34.9	52.3

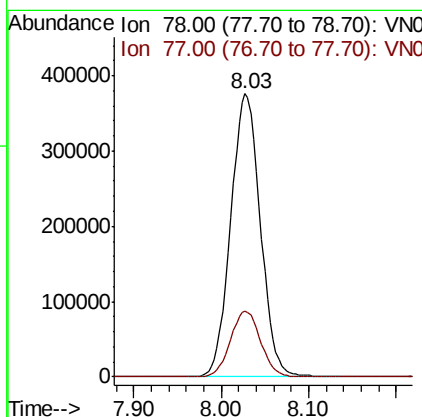
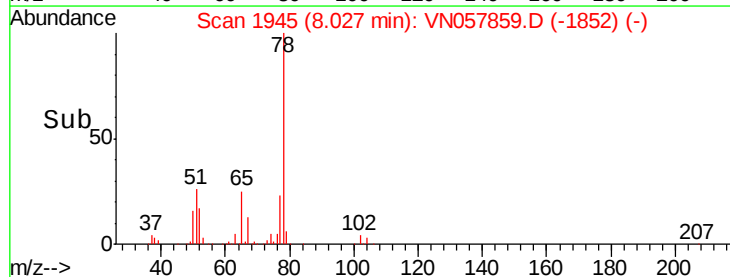
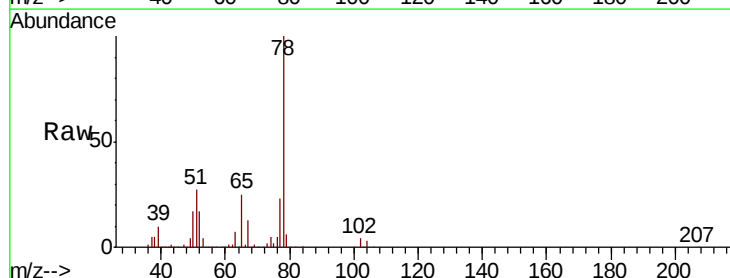
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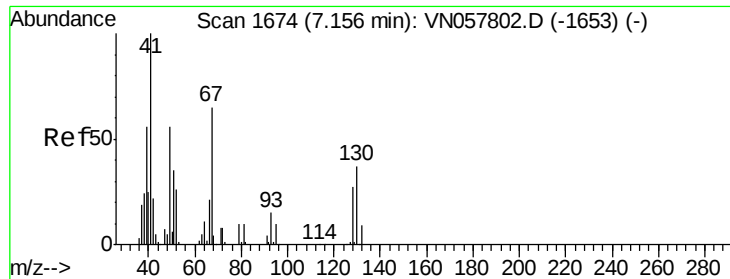
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#40
Benzene
Concen: 48.030 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN057859.D
Acq: 10 Sep 2019 13:51

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.3	27.5





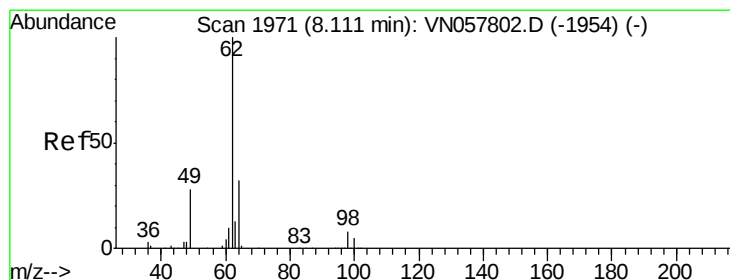
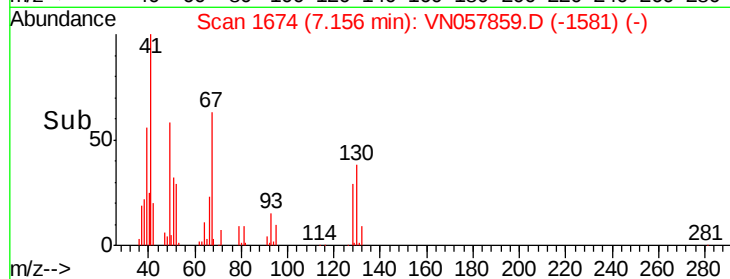
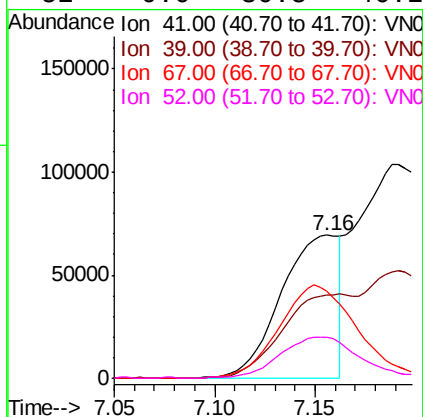
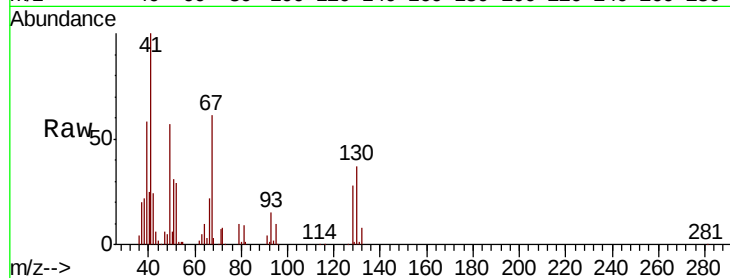
#41
Methacrylonitrile
Concen: 49.408 ug/l m
RT: 7.16 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VN057859.D
Acq: 10 Sep 2019 13:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	51.0	76.6#
67	0.0	70.7	106.1#
52	0.0	30.8	46.2#

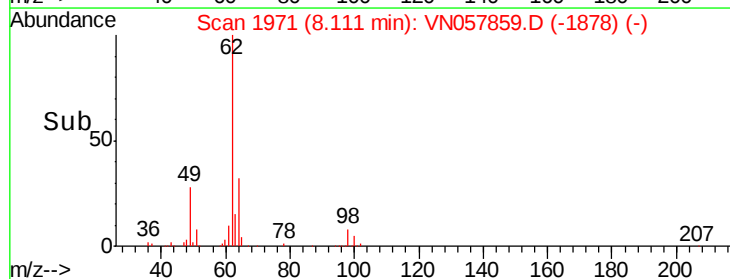
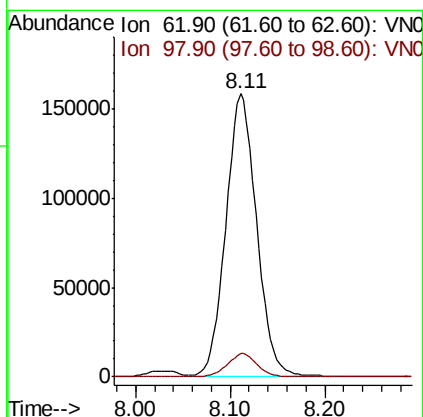
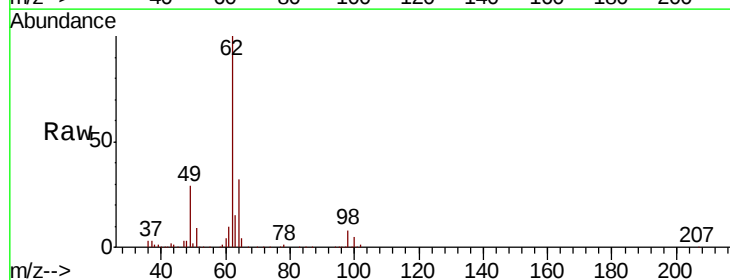
Manual Integrations
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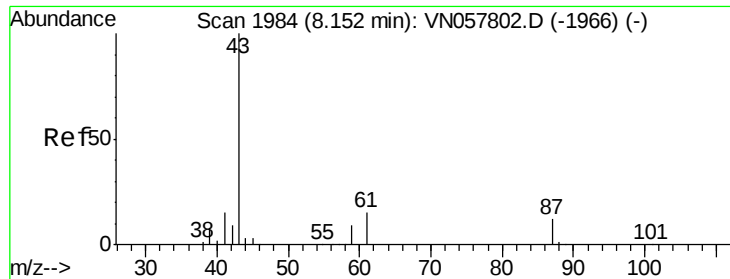
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#42
1,2-Dichloroethane
Concen: 48.530 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VN057859.D
Acq: 10 Sep 2019 13:51

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.1	0.0	15.8





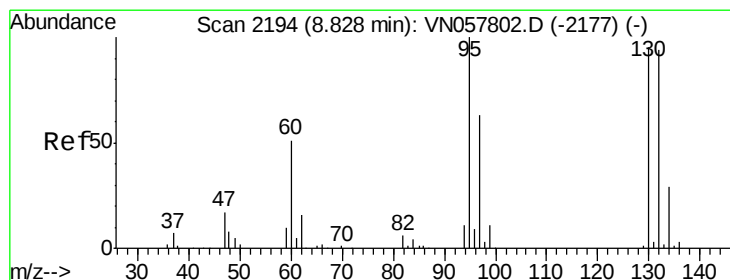
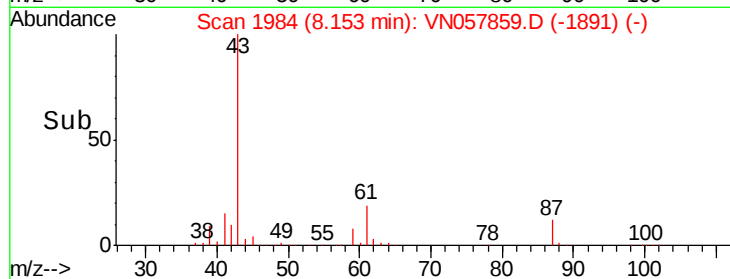
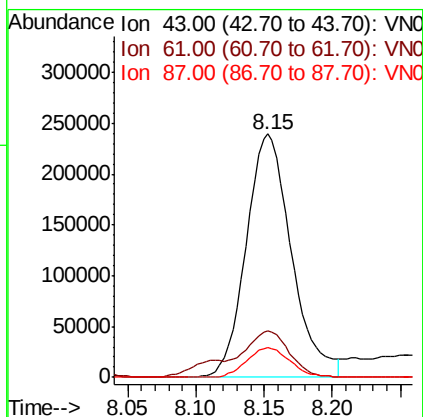
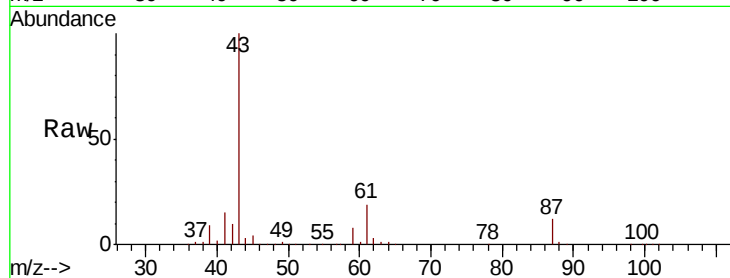
#43
Isopropyl Acetate
Concen: 51.626 ug/l
RT: 8.15 min Scan# 1984
Delta R.T. 0.00 min
Lab File: VN057859.D
Acq: 10 Sep 2019 13:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.3	20.1	30.1#
87	11.9	9.5	14.3

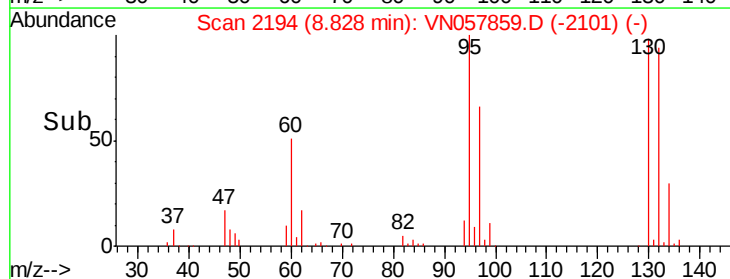
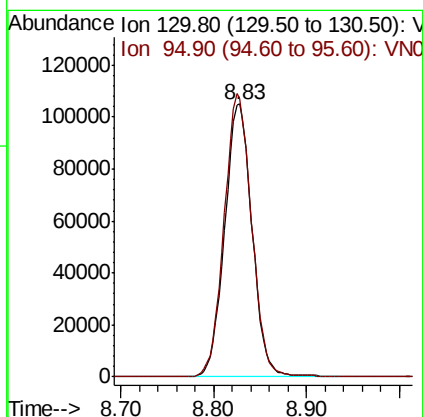
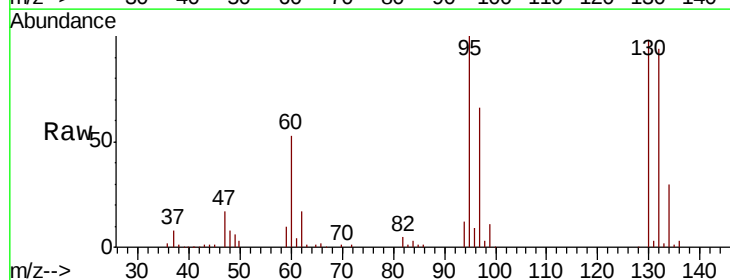
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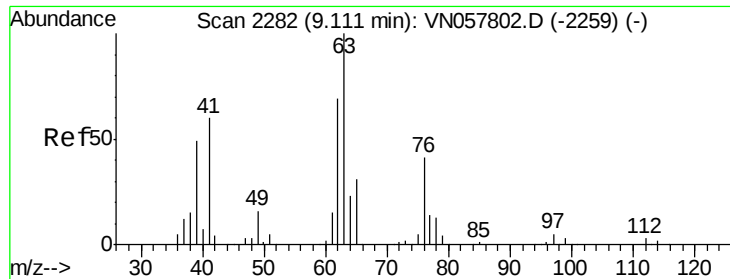
MMDadoda
9/13/2019 5:16:31 AM



#44
Trichloroethene
Concen: 47.746 ug/l
RT: 8.83 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VN057859.D
Acq: 10 Sep 2019 13:51

Tgt Ion	Ratio	Lower	Upper
130	100		
95	102.0	0.0	211.4





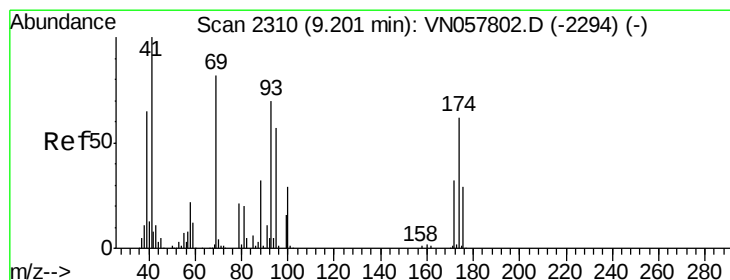
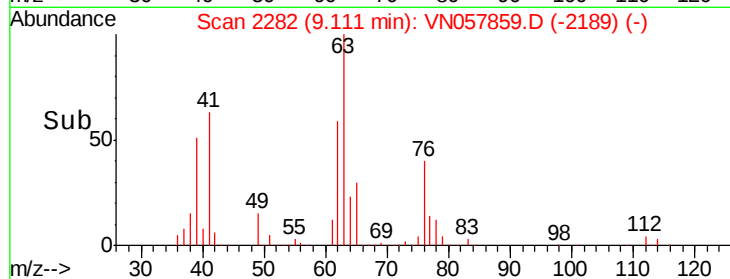
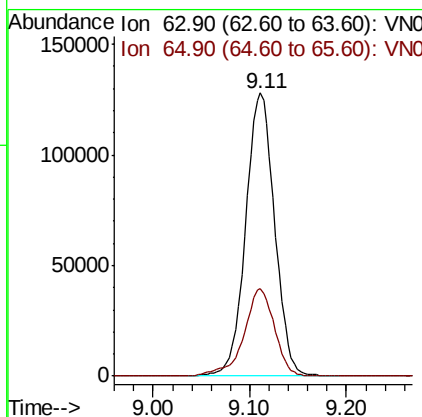
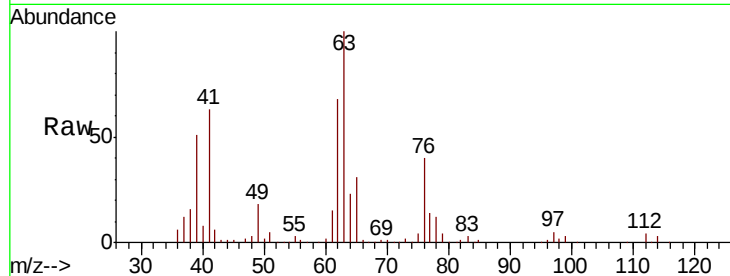
#45
 1,2-Dichloropropane
 Concen: 49.626 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN057859.D
 Acq: 10 Sep 2019 13:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.8	24.8	37.2

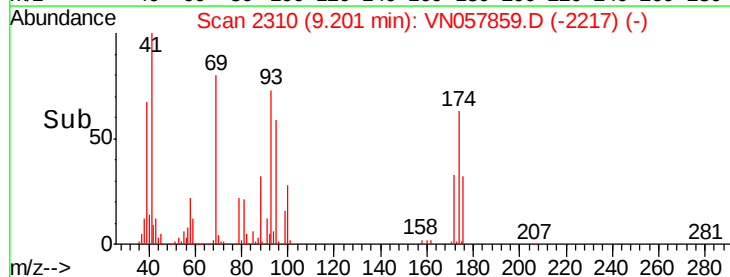
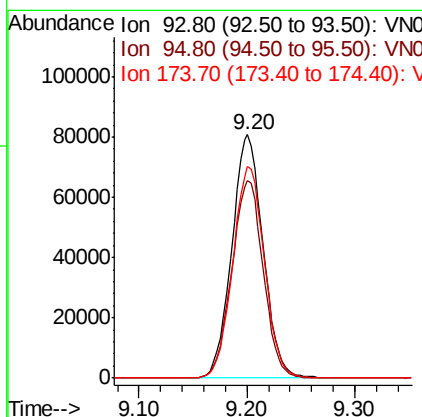
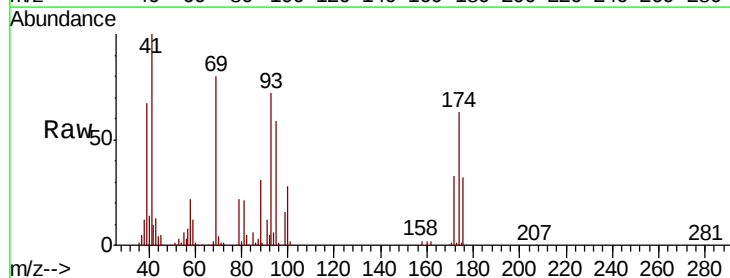
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 9/13/2019 5:16:31 AM



#46
 Dibromomethane
 Concen: 50.323 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN057859.D
 Acq: 10 Sep 2019 13:51

Tgt Ion	Ratio	Lower	Upper
93	100		
95	81.7	65.9	98.9
174	88.0	71.8	107.6





#47

Bromodichloromethane

Concen: 51.402 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN057859.D

Acq: 10 Sep 2019 13:51

Instrument :

MSVOA_N

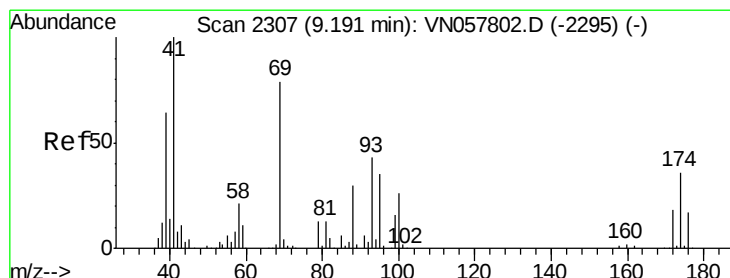
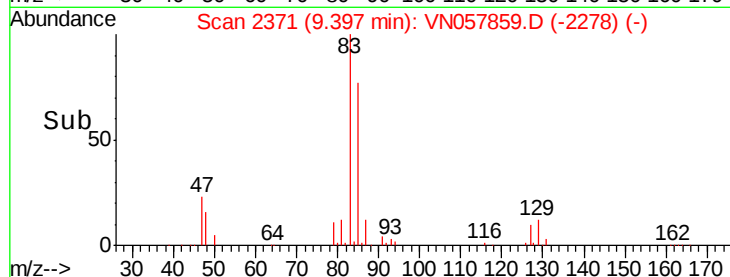
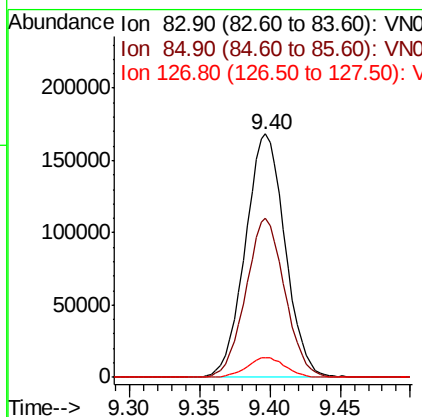
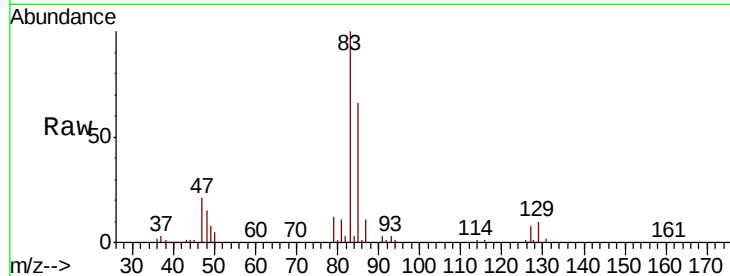
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	332017
Ion Ratio	Lower	Upper	
83	100		
85	65.5	49.9	74.9
127	8.2	6.5	9.7

Manual Integrations
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#48

Methyl methacrylate

Concen: 48.731 ug/l

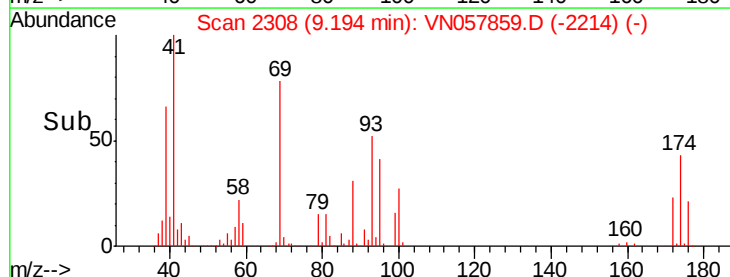
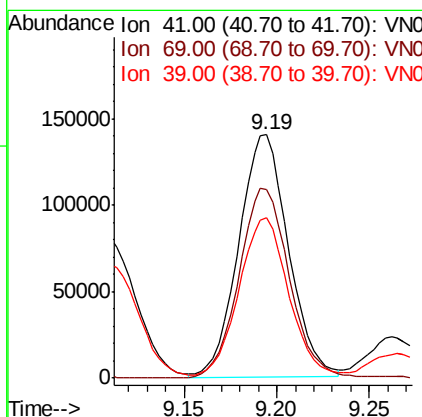
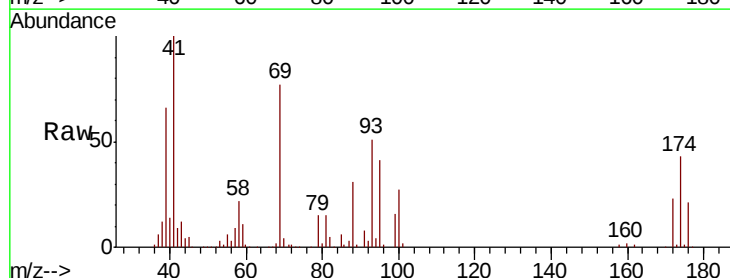
RT: 9.19 min Scan# 2308

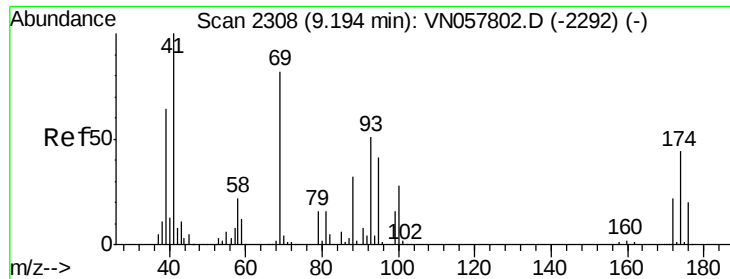
Delta R.T. 0.00 min

Lab File: VN057859.D

Acq: 10 Sep 2019 13:51

Tgt Ion:	41	Resp:	262435
Ion Ratio	Lower	Upper	
41	100		
69	79.8	62.7	94.1
39	66.5	52.7	79.1





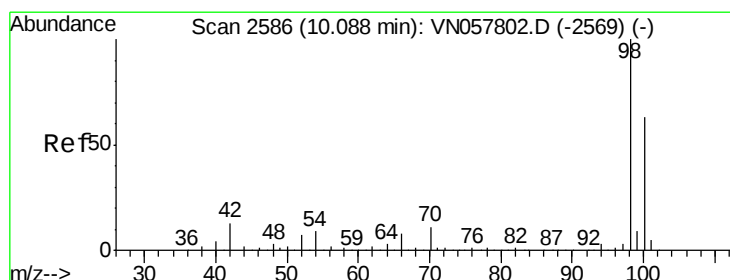
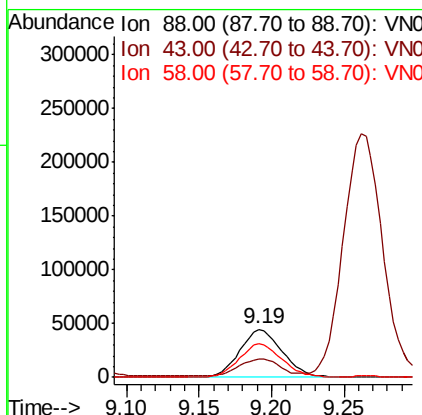
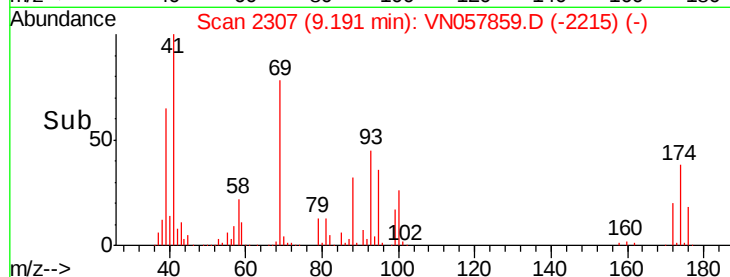
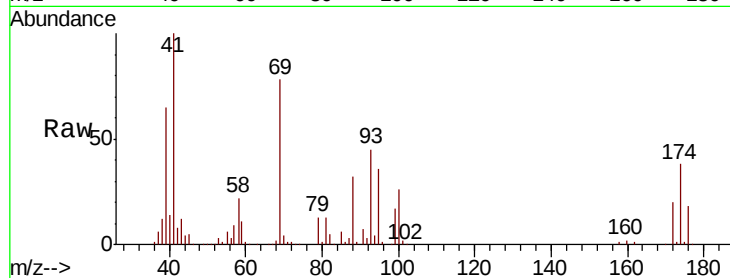
#49
1,4-Dioxane
Concen: 996.980 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. -0.00 min
Lab File: VN057859.D
Acq: 10 Sep 2019 13:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.0	28.5	42.7
58	70.8	55.8	83.6

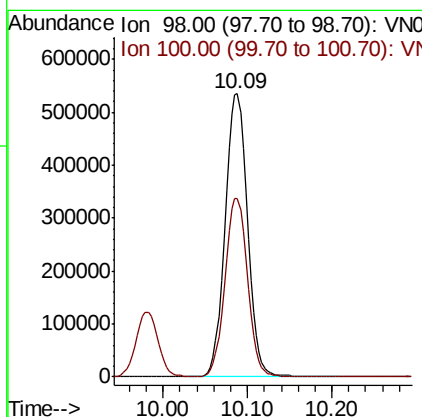
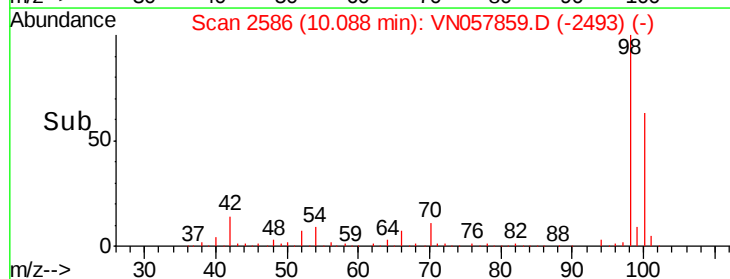
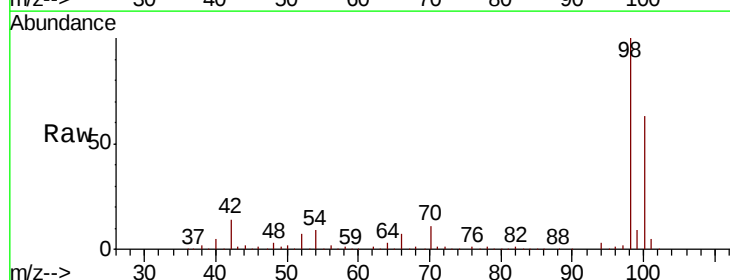
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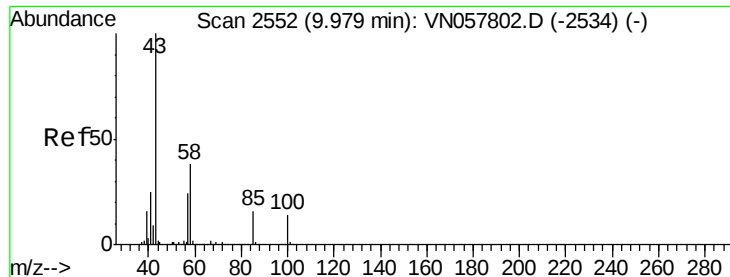
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#50
Toluene-d8
Concen: 52.283 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. 0.00 min
Lab File: VN057859.D
Acq: 10 Sep 2019 13:51

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.6	50.3	75.5





#51

4-Methyl-2-Pentanone

Concen: 266.010 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN057859.D

Acq: 10 Sep 2019 13:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1671205

Ion Ratio Lower Upper

43 100

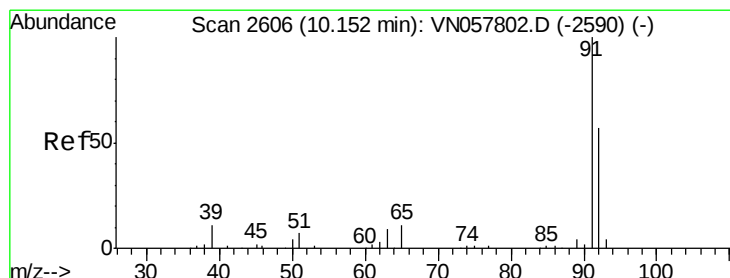
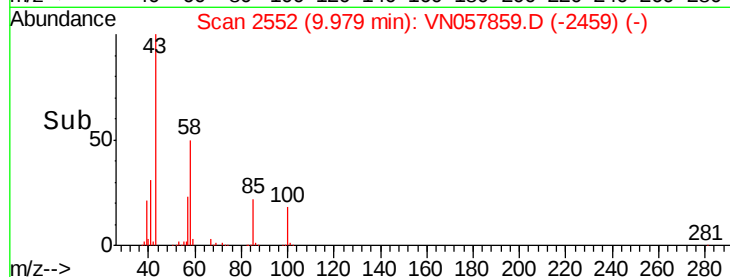
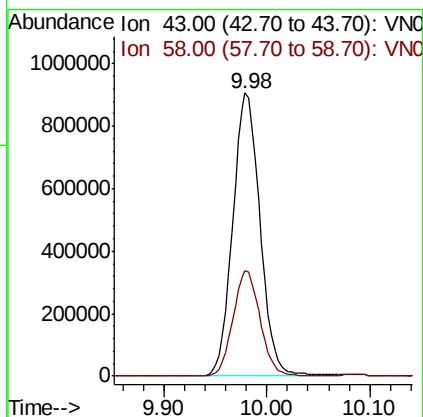
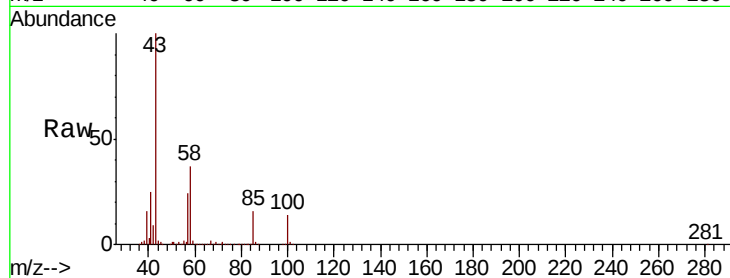
58 37.1 29.8 44.6

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#52

Toluene

Concen: 48.968 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN057859.D

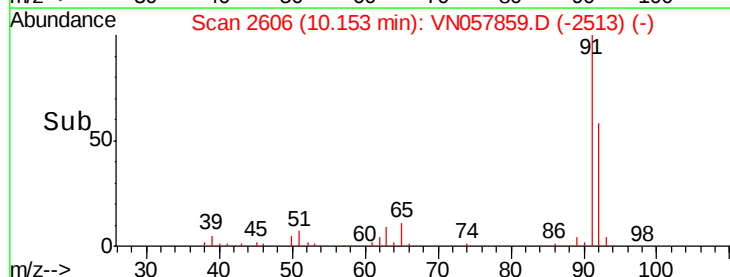
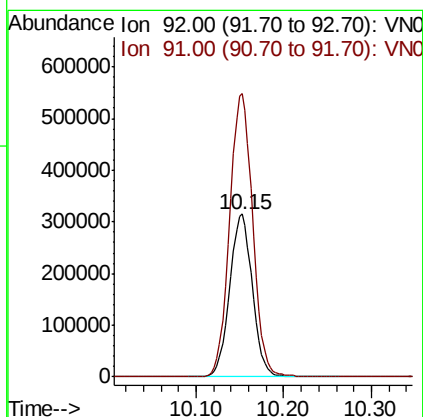
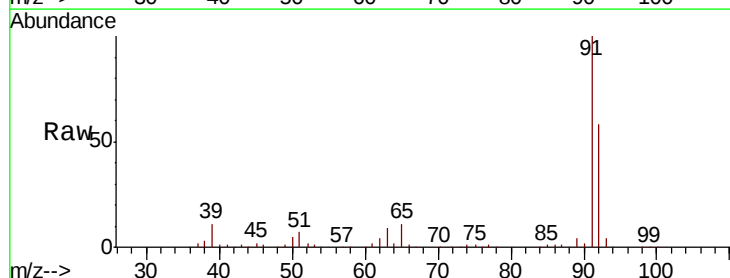
Acq: 10 Sep 2019 13:51

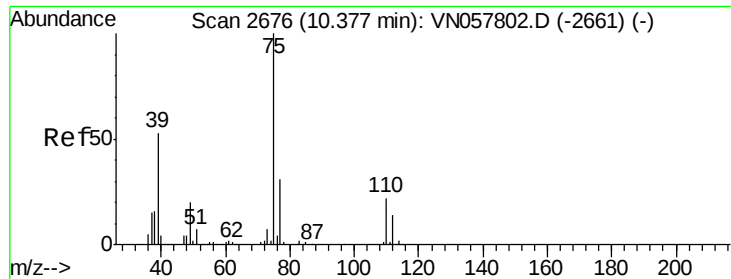
Tgt Ion: 92 Resp: 567359

Ion Ratio Lower Upper

92 100

91 176.5 141.0 211.6





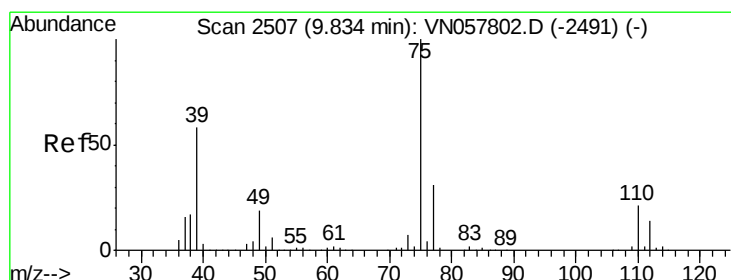
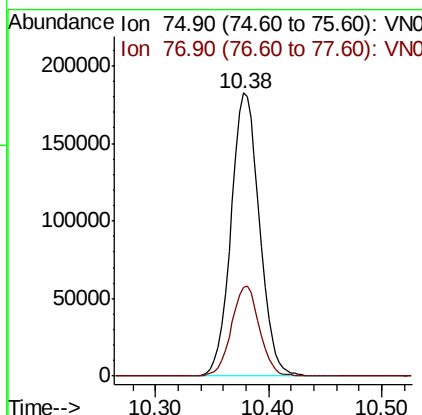
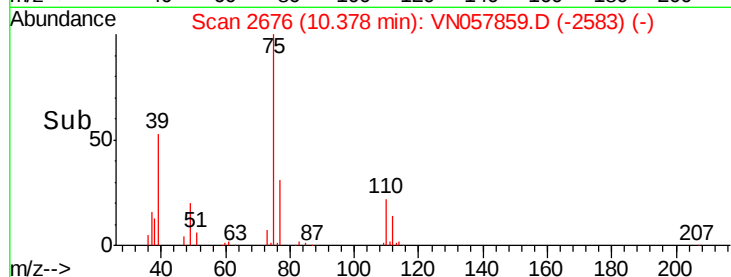
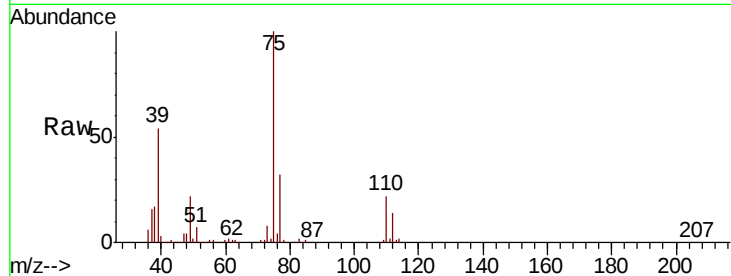
#53
t-1,3-Dichloropropene
Concen: 46.978 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VN057859.D
Acq: 10 Sep 2019 13:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 319543
Ion Ratio Lower Upper
75 100
77 31.5 24.5 36.7

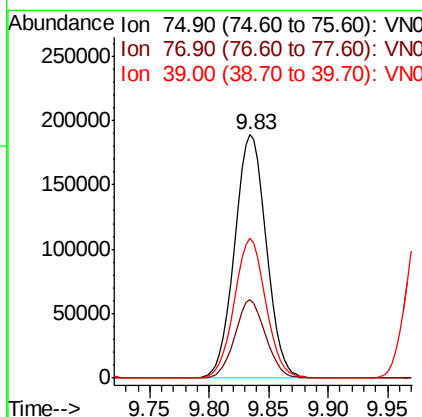
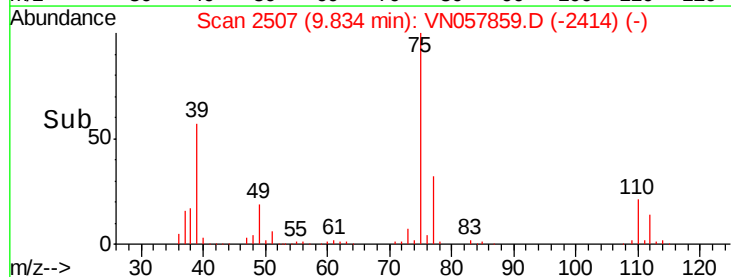
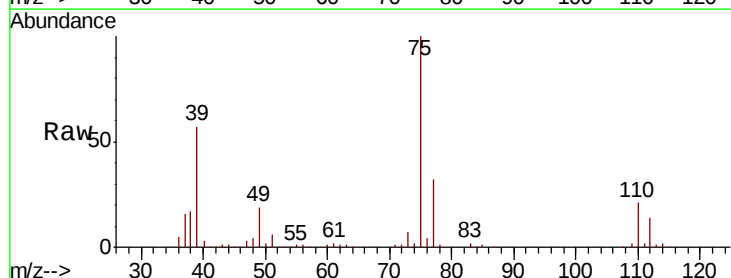
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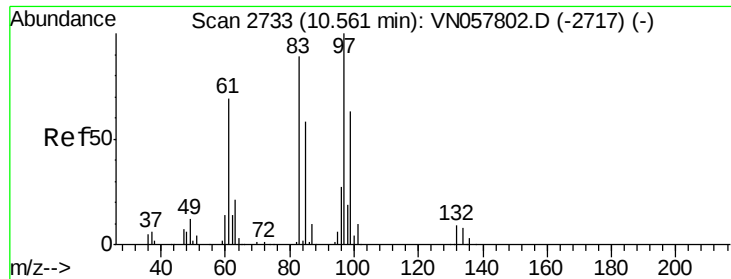
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 46.514 ug/l
RT: 9.83 min Scan# 2507
Delta R.T. 0.00 min
Lab File: VN057859.D
Acq: 10 Sep 2019 13:51

Tgt Ion: 75 Resp: 349310
Ion Ratio Lower Upper
75 100
77 32.1 24.8 37.2
39 57.2 46.2 69.4





#55

1,1,2-Trichloroethane

Concen: 49.811 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN057859.D

Acq: 10 Sep 2019 13:51

Instrument :

MSVOA_N

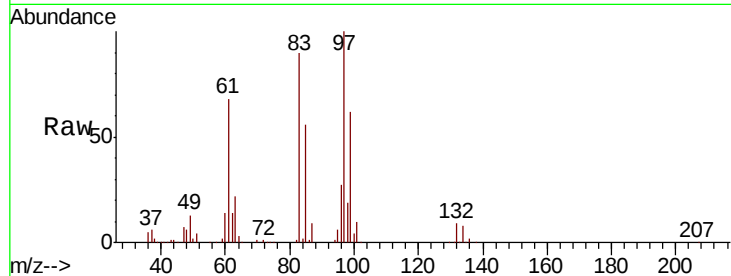
ClientSampleId :

VSTDCCC050EC

Tot Ion:	97	Resp:	244466
Ion	Ratio	Lower	Upper
97	100		
83	89.8	70.8	106.2
85	56.5	46.0	69.0
99	61.7	50.6	76.0

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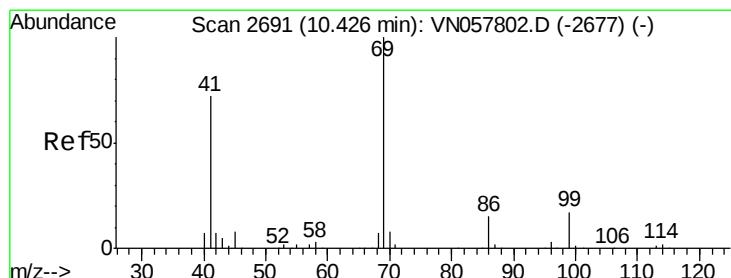
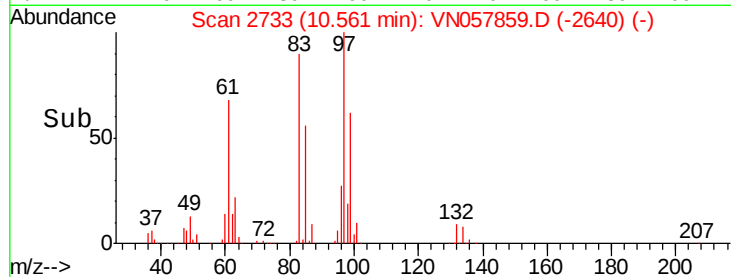
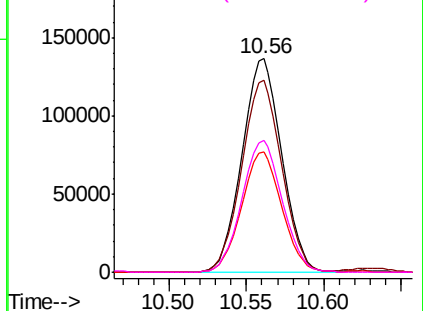
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 51.075 ug/l

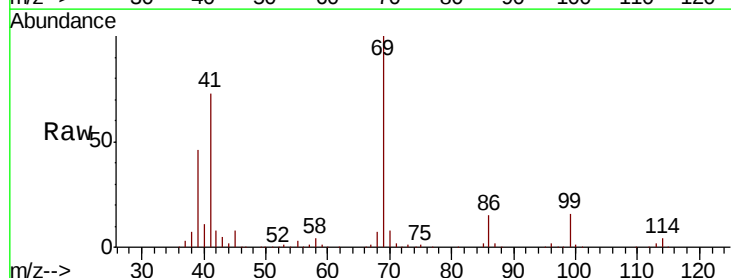
RT: 10.43 min Scan# 2691

Delta R.T. 0.00 min

Lab File: VN057859.D

Acq: 10 Sep 2019 13:51

Tgt Ion:	69	Resp:	377479
Ion	Ratio	Lower	Upper
69	100		
41	71.0	56.7	85.1
39	45.7	36.3	54.5

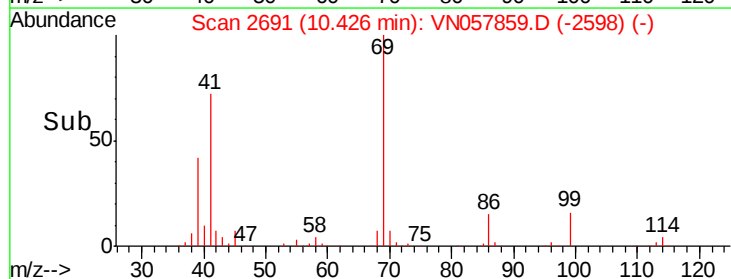
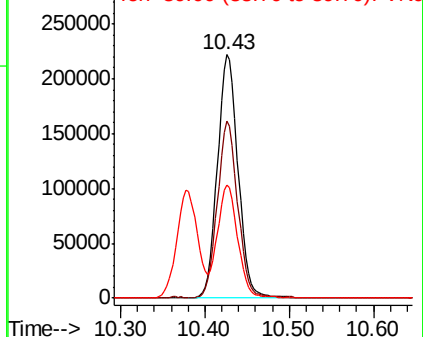


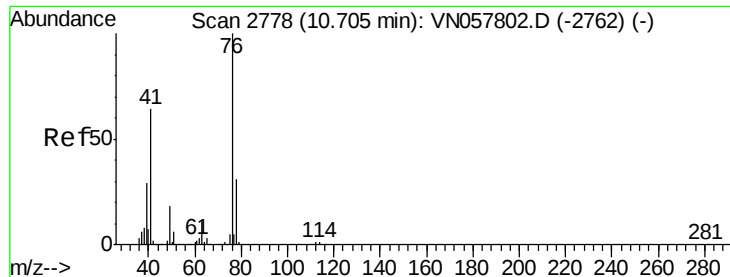
Abundance

Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 50.019 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN057859.D

Acq: 10 Sep 2019 13:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 423066

Ion Ratio Lower Upper

76 100

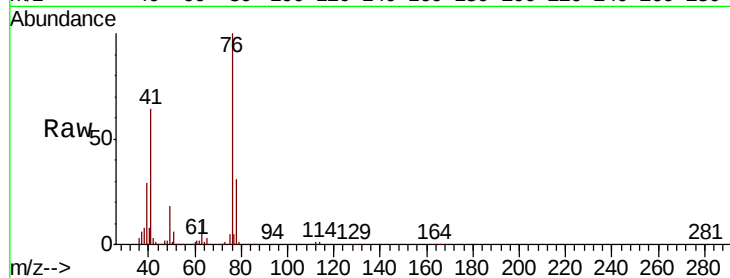
78 32.0 25.4 38.2

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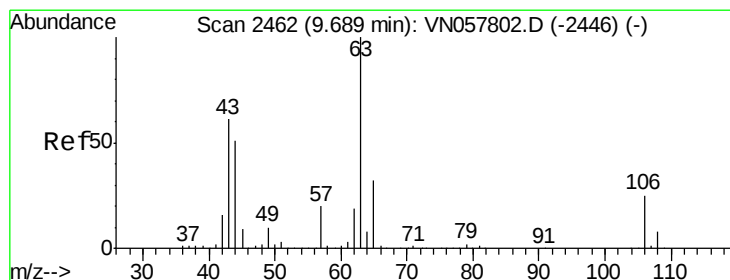
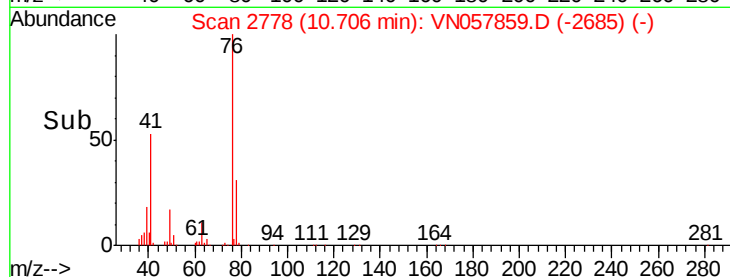
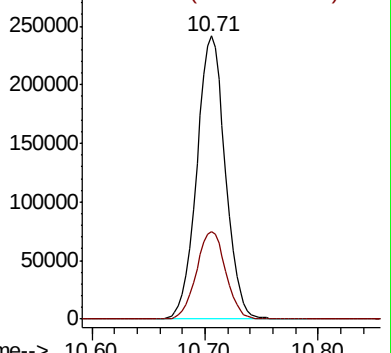
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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 256.549 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN057859.D

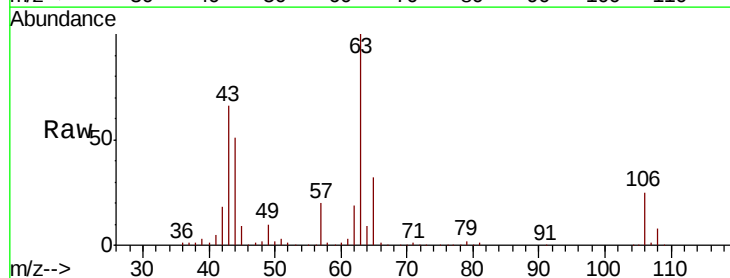
Acq: 10 Sep 2019 13:51

Tgt Ion: 63 Resp: 893039

Ion Ratio Lower Upper

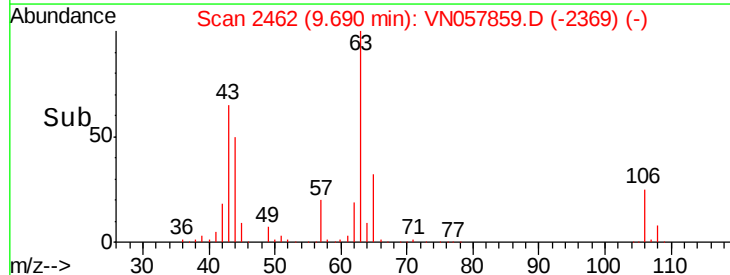
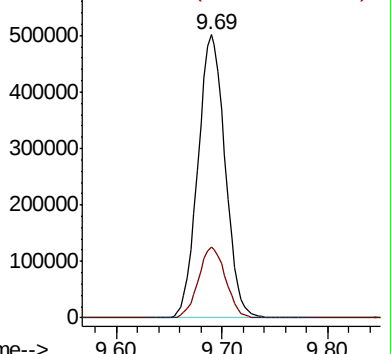
63 100

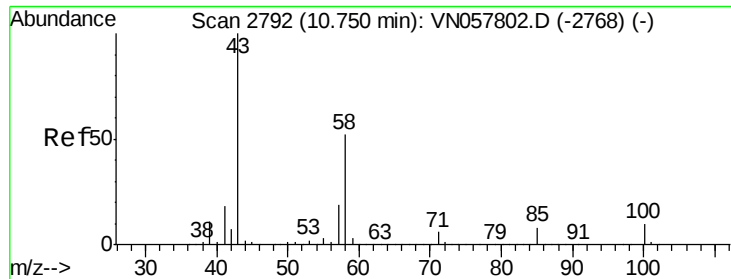
106 25.0 20.0 30.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





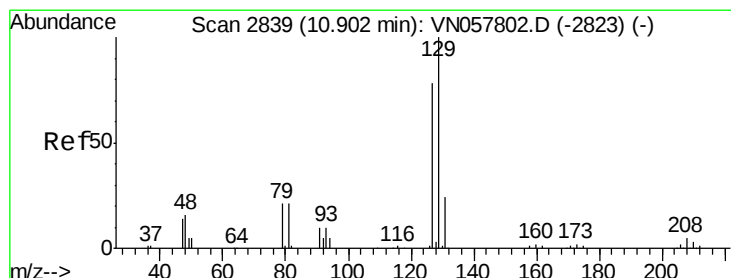
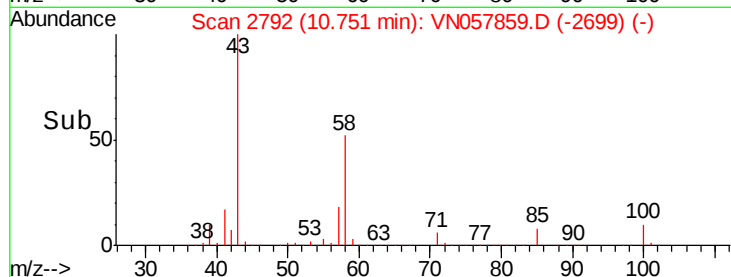
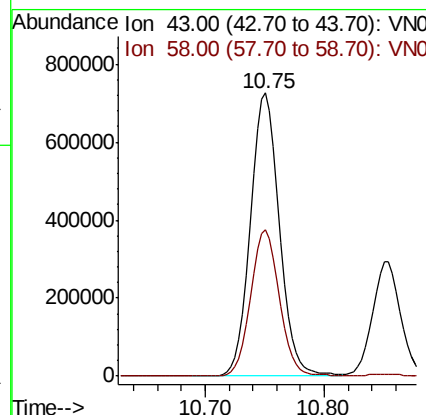
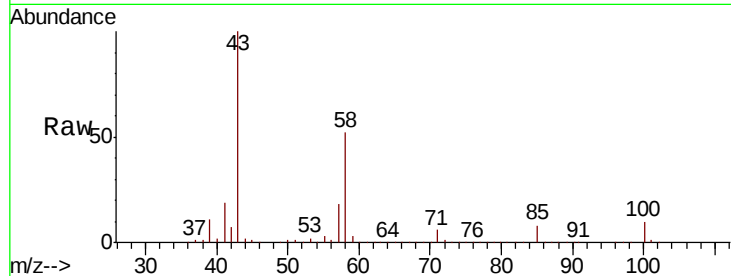
#59
2-Hexanone
Concen: 259.145 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN057859.D
Acq: 10 Sep 2019 13:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1220305
Ion Ratio Lower Upper
43 100
58 51.6 25.6 76.8

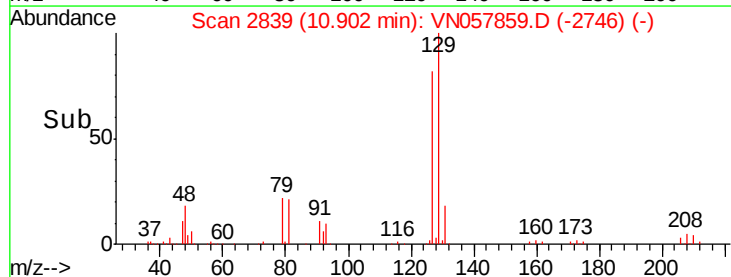
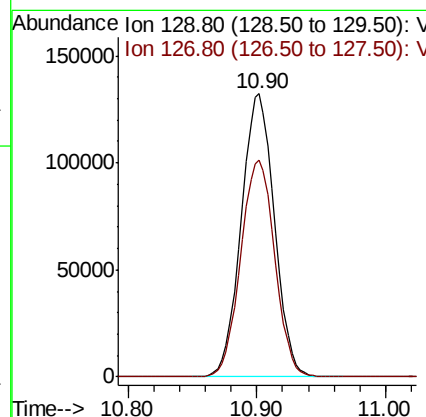
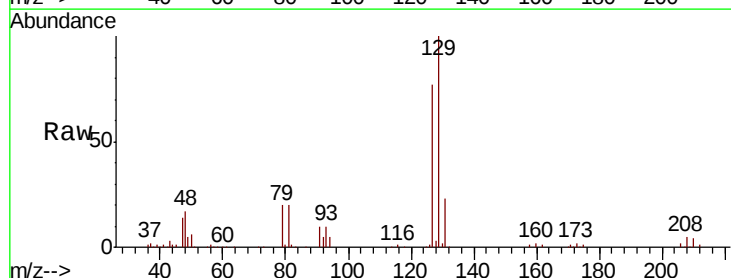
Manual Integrations
APPROVED

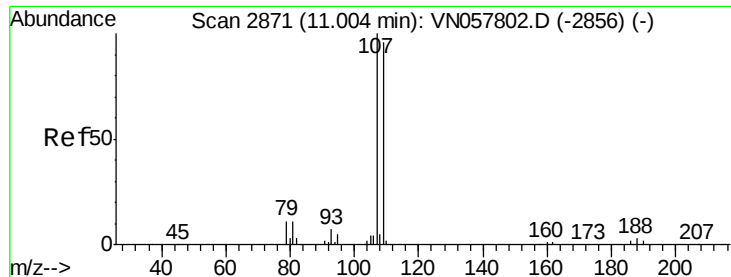
MMDadoda
9/13/2019 5:16:31 AM



#60
Dibromochloromethane
Concen: 51.974 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN057859.D
Acq: 10 Sep 2019 13:51

Tgt Ion: 129 Resp: 236865
Ion Ratio Lower Upper
129 100
127 78.4 38.6 116.0





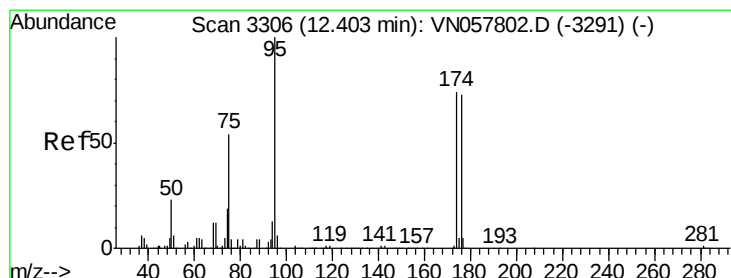
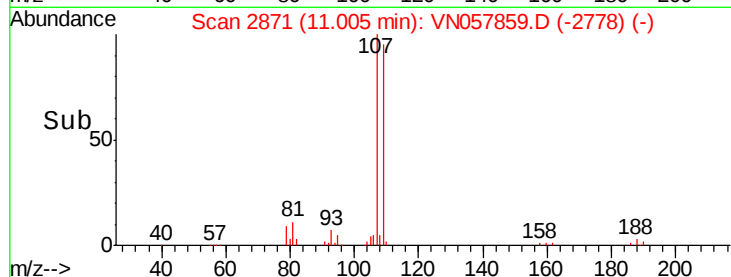
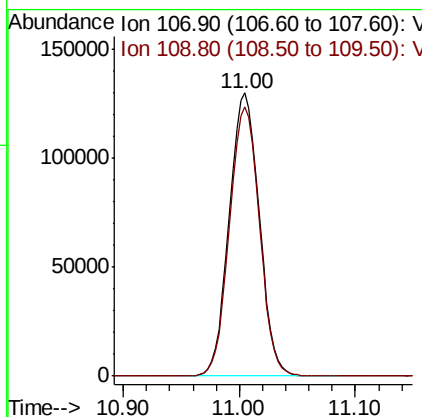
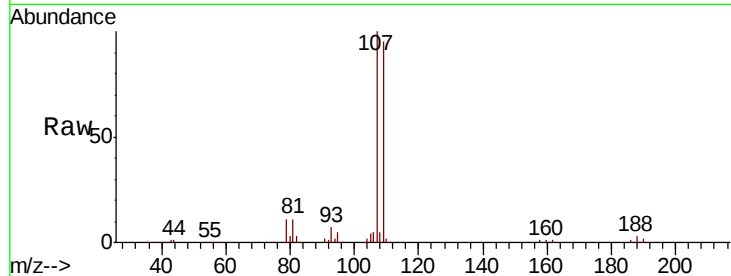
#61
 1,2-Dibromoethane
 Concen: 50.062 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN057859.D
 Acq: 10 Sep 2019 13:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.9	75.3	112.9

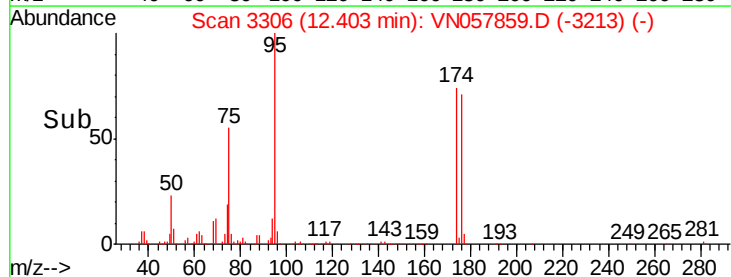
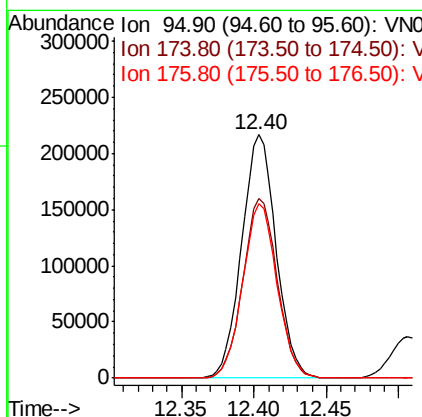
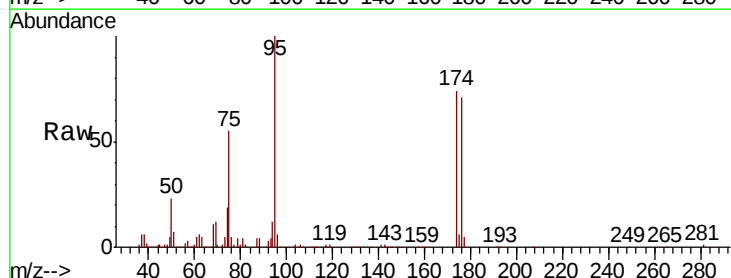
Manual Integrations
 APPROVED

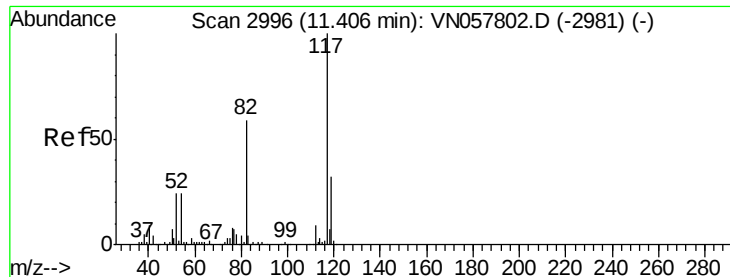
MMDadoda
 9/13/2019 5:16:31 AM



#62
 4-Bromofluorobenzene
 Concen: 49.669 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN057859.D
 Acq: 10 Sep 2019 13:51

Tgt Ion	Ratio	Lower	Upper
95	100		
174	74.2	0.0	150.2
176	71.6	0.0	146.0





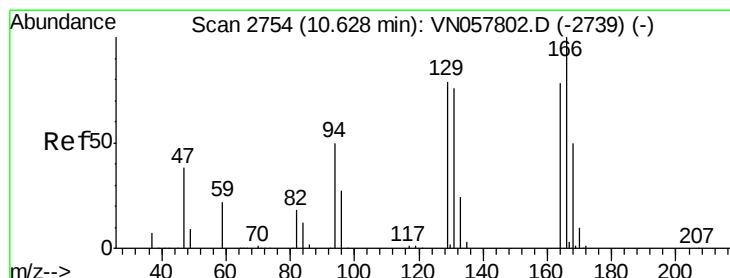
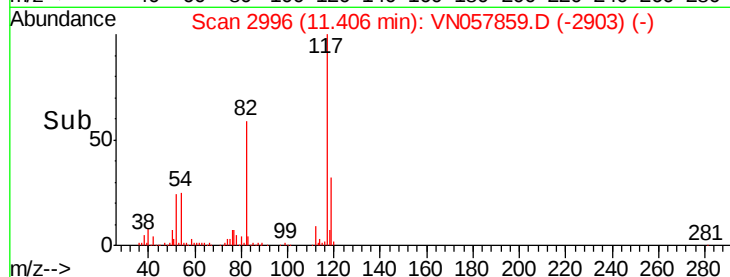
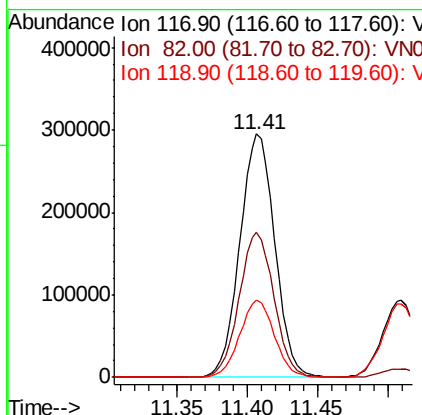
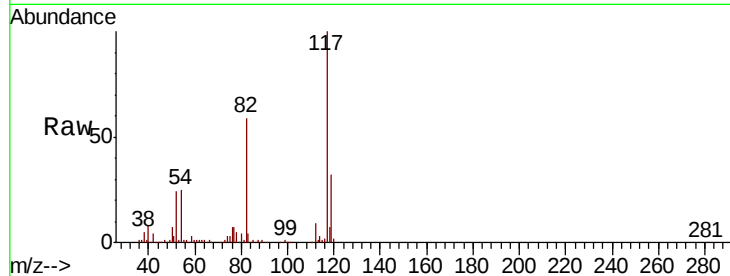
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN057859.D
Acq: 10 Sep 2019 13:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.3	47.2	70.8
119	31.6	25.3	37.9

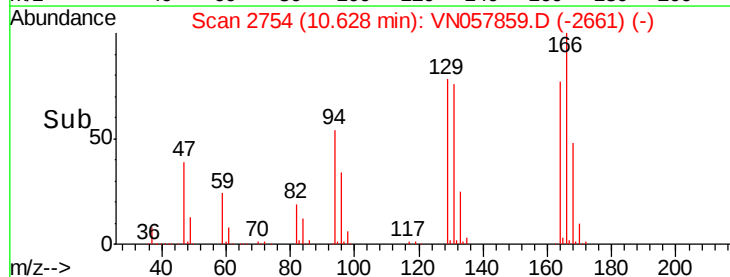
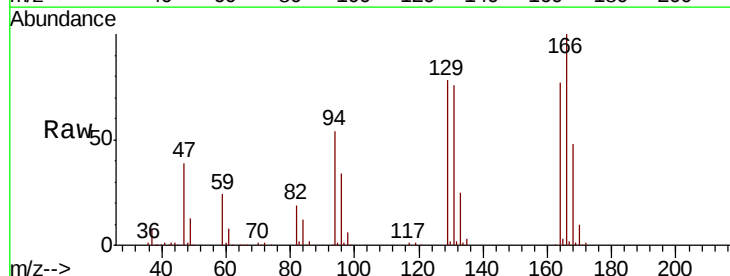
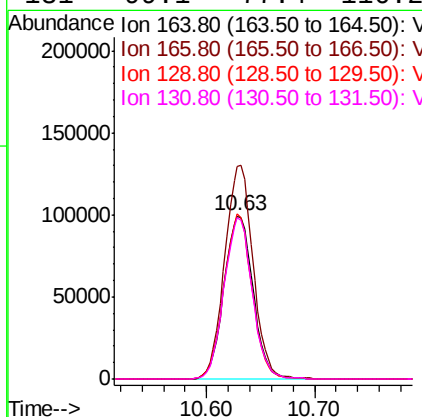
Manual Integrations
APPROVED

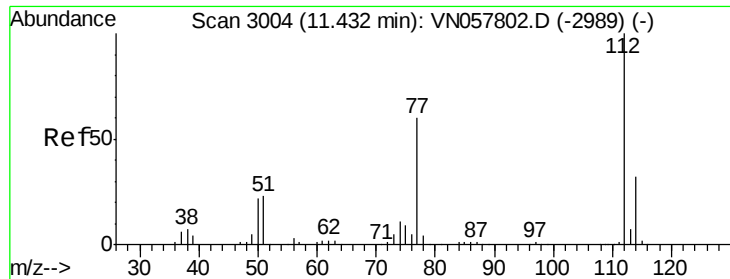
MMDadoda
9/13/2019 5:16:31 AM



#64
Tetrachloroethene
Concen: 49.256 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN057859.D
Acq: 10 Sep 2019 13:51

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.1	102.2	153.2
129	100.9	80.8	121.2
131	99.1	77.4	116.2





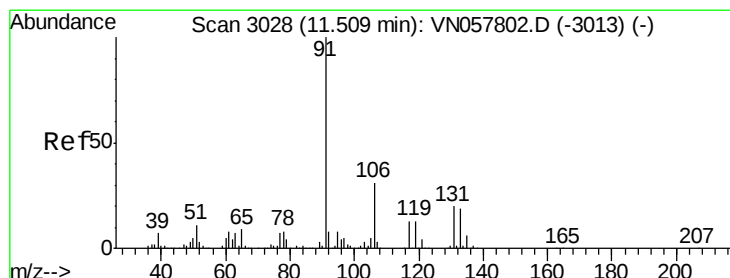
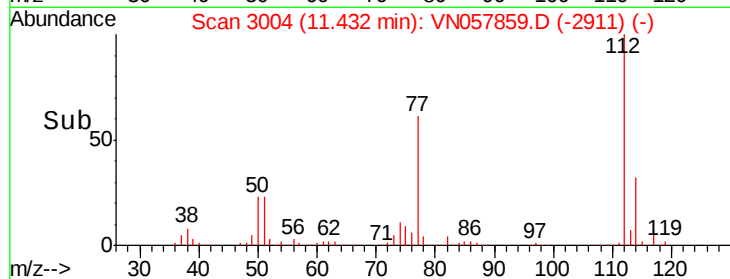
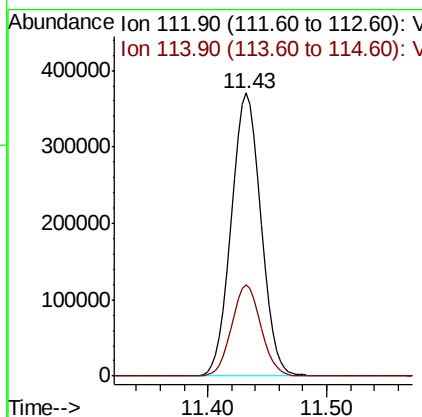
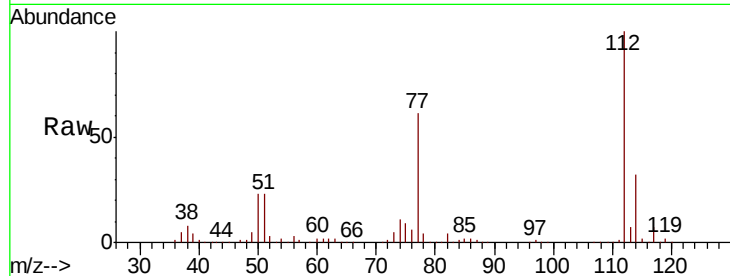
#65
Chlorobenzene
Concen: 47.777 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN057859.D
Acq: 10 Sep 2019 13:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 642053
Ion Ratio Lower Upper
112 100
114 32.3 25.2 37.8

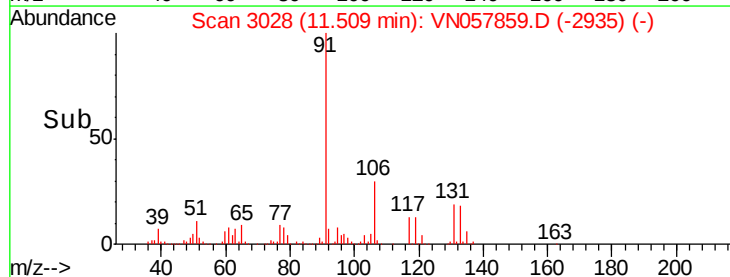
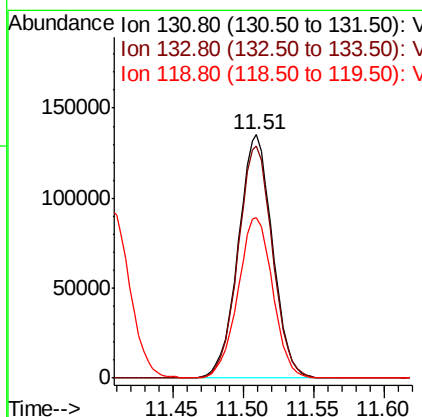
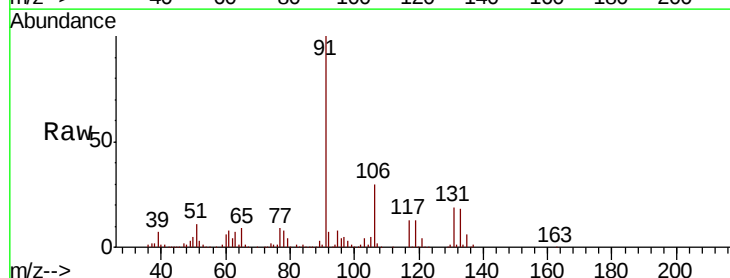
Manual Integrations
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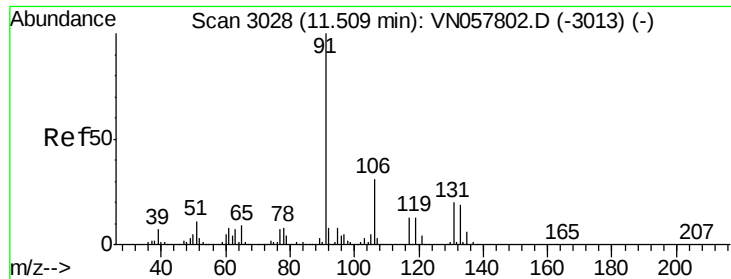
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#66
1,1,1,2-Tetrachloroethane
Concen: 49.324 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN057859.D
Acq: 10 Sep 2019 13:51

Tgt Ion:131 Resp: 230000
Ion Ratio Lower Upper
131 100
133 95.8 47.1 141.3
119 67.2 33.3 99.8





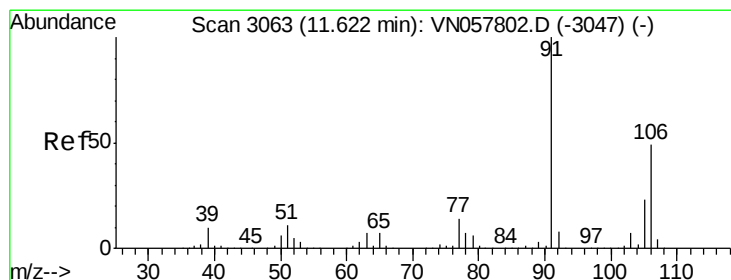
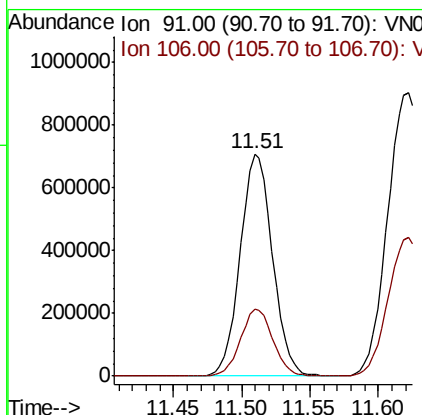
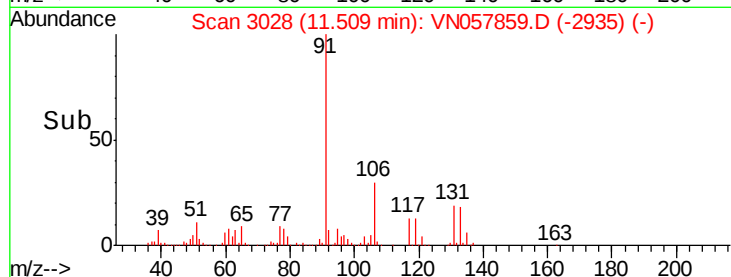
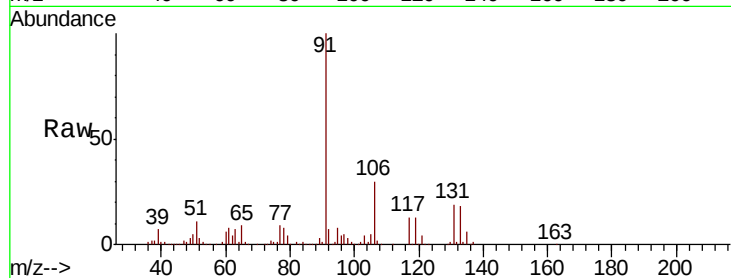
#67
Ethyl Benzene
Concen: 49.520 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN057859.D
Acq: 10 Sep 2019 13:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1166273
Ion Ratio Lower Upper
91 100
106 30.2 24.4 36.6

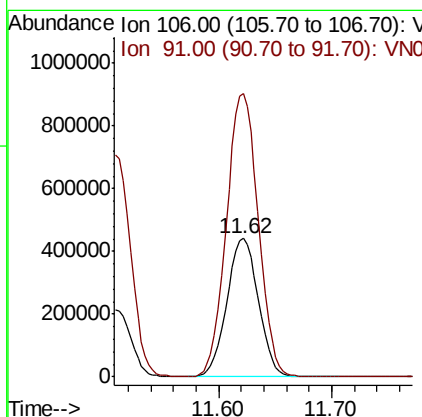
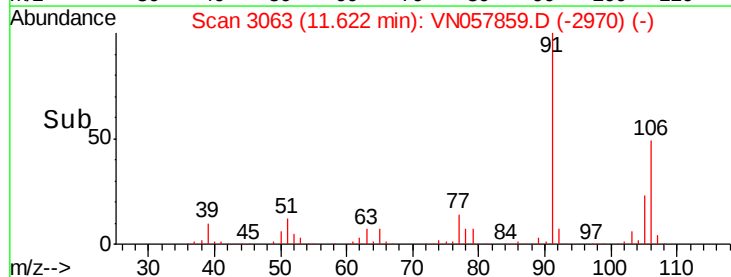
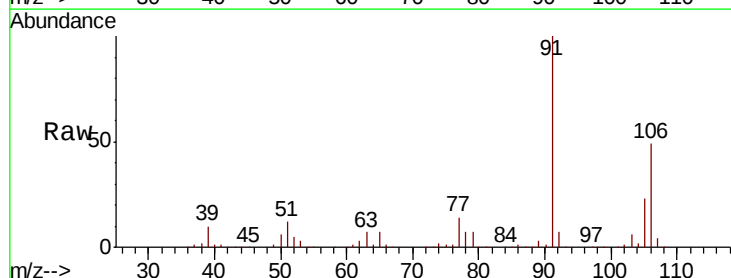
Manual Integrations
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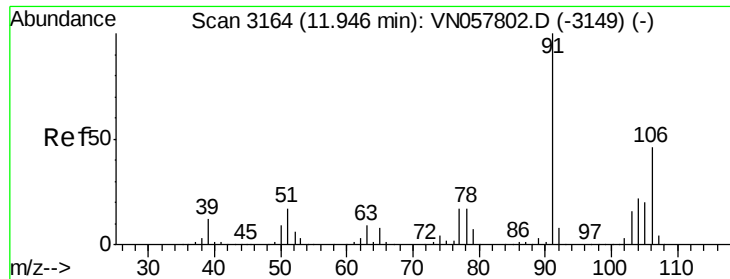
MMDadoda
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#68
m/p-Xylenes
Concen: 99.196 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN057859.D
Acq: 10 Sep 2019 13:51

Tgt Ion: 106 Resp: 855756
Ion Ratio Lower Upper
106 100
91 206.2 165.8 248.6





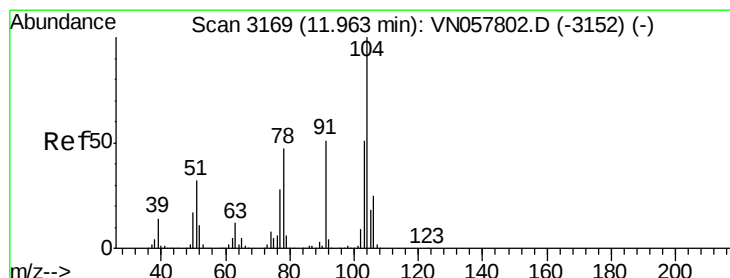
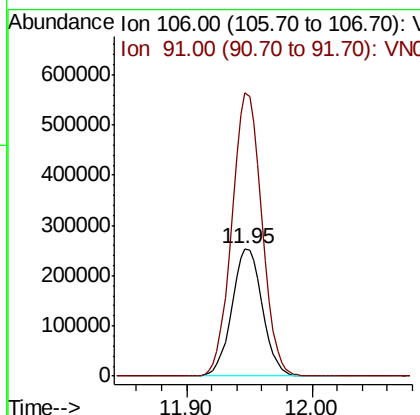
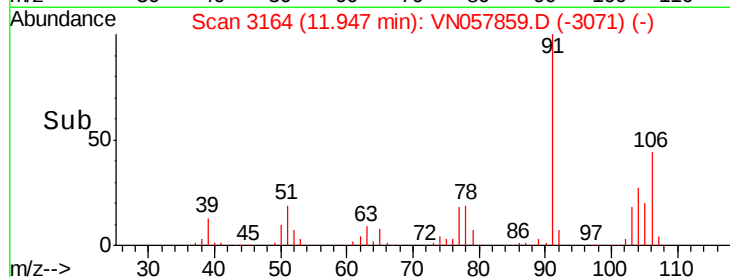
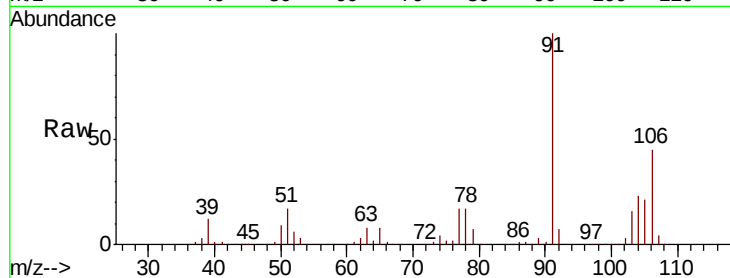
#69
o-Xylene
Concen: 49.730 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN057859.D
Acq: 10 Sep 2019 13:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 426505
Ion Ratio Lower Upper
106 100
91 219.3 108.7 326.1

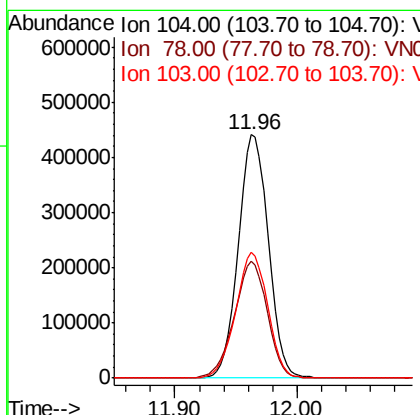
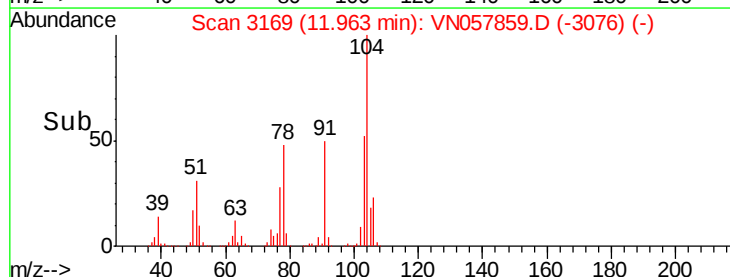
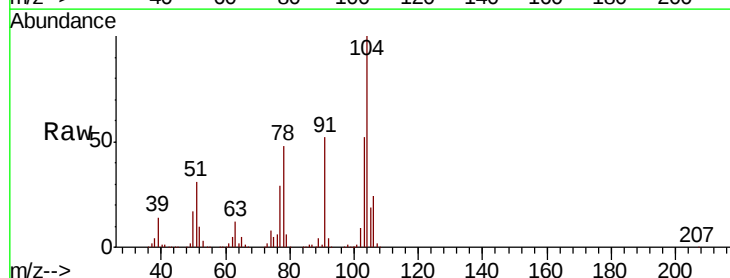
Manual Integrations
APPROVED

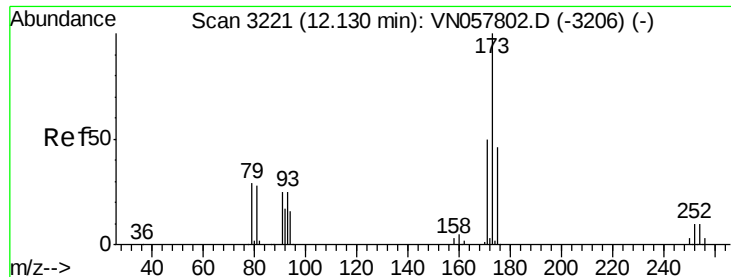
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#70
Styrene
Concen: 50.853 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN057859.D
Acq: 10 Sep 2019 13:51

Tgt Ion:104 Resp: 750576
Ion Ratio Lower Upper
104 100
78 52.8 41.3 61.9
103 55.2 43.7 65.5





#71

Bromoform

Concen: 50.981 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. 0.00 min

Lab File: VN057859.D

Acq: 10 Sep 2019 13:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 148215

Ion Ratio Lower Upper

173 100

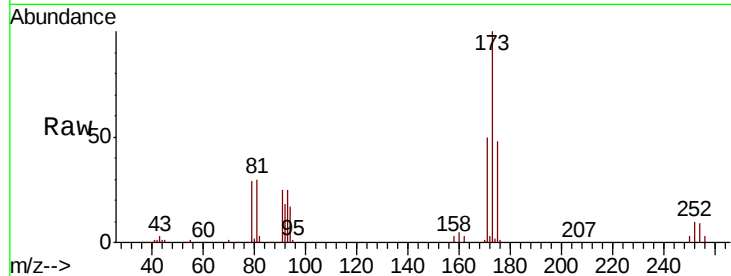
175 47.4 23.5 70.6

254 0.0 0.1 0.1#

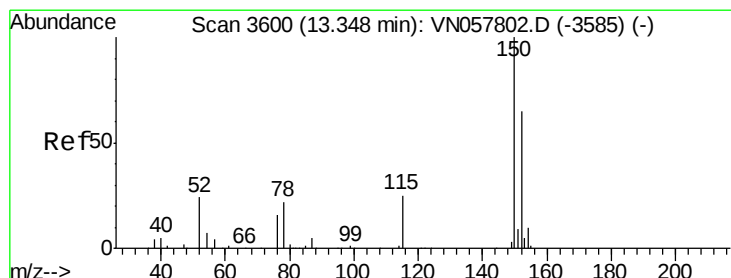
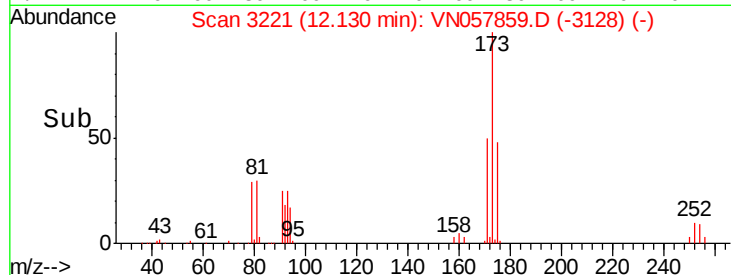
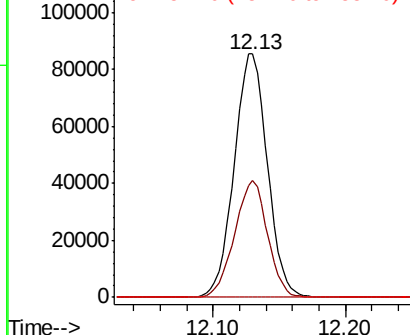
Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN057859.D

Acq: 10 Sep 2019 13:51

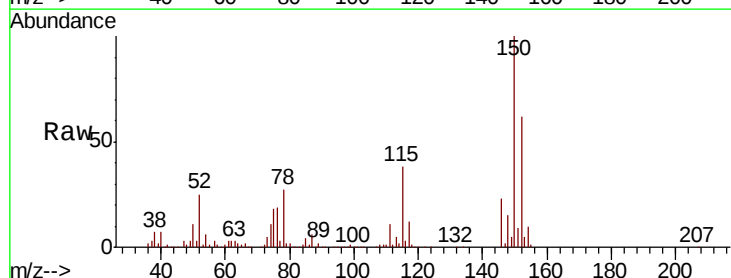
Tgt Ion:152 Resp: 311968

Ion Ratio Lower Upper

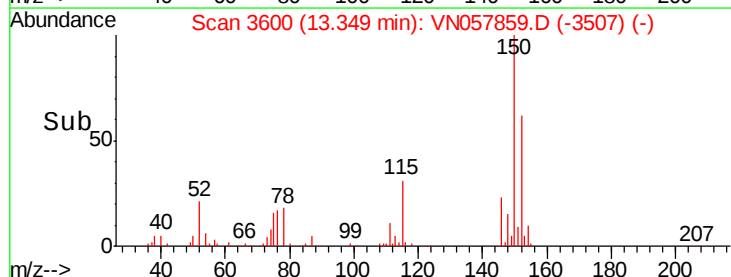
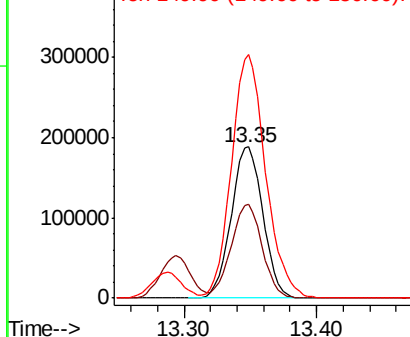
152 100

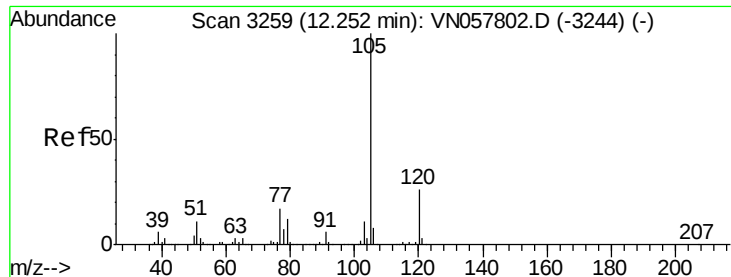
115 61.0 30.3 91.0

150 173.4 0.0 352.4



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





#73

Isopropylbenzene

Concen: 48.976 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN057859.D

Acq: 10 Sep 2019 13:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1185594

Ion Ratio Lower Upper

105 100

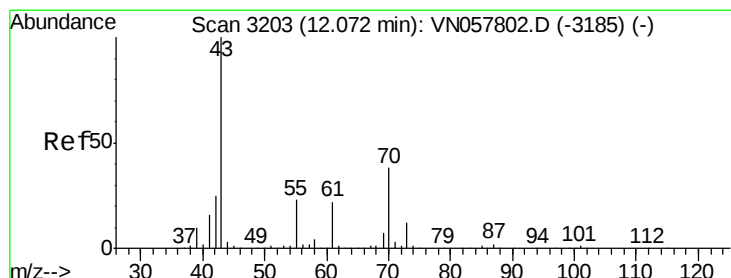
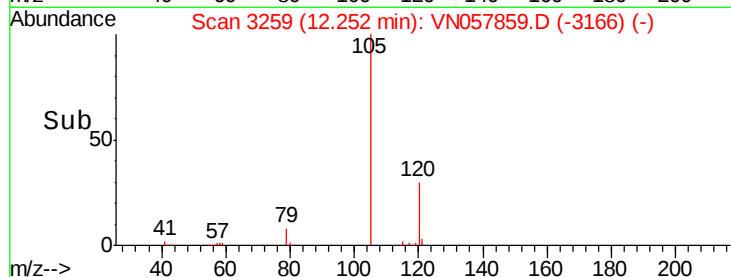
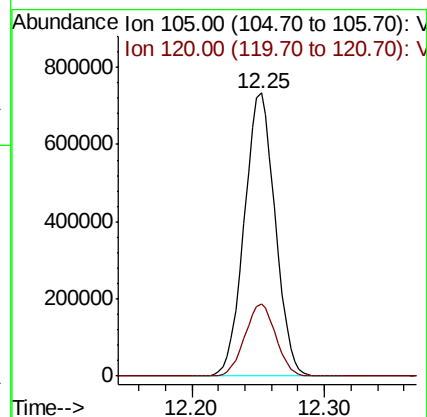
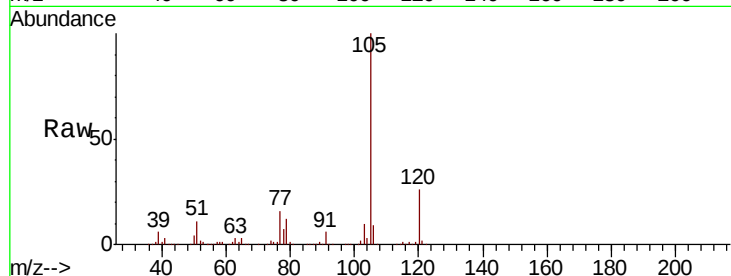
120 25.6 12.8 38.4

Manual Integrations

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#74

N-ethyl acetate

Concen: 48.848 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN057859.D

Acq: 10 Sep 2019 13:51

Tgt Ion: 43 Resp: 514622

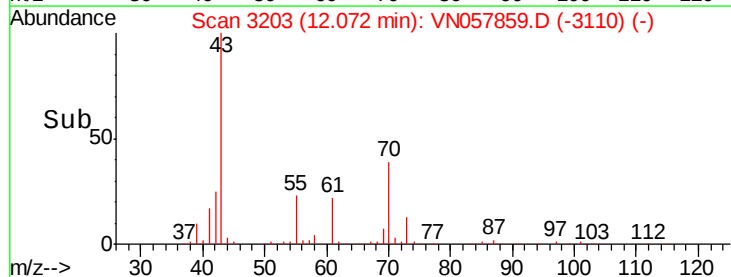
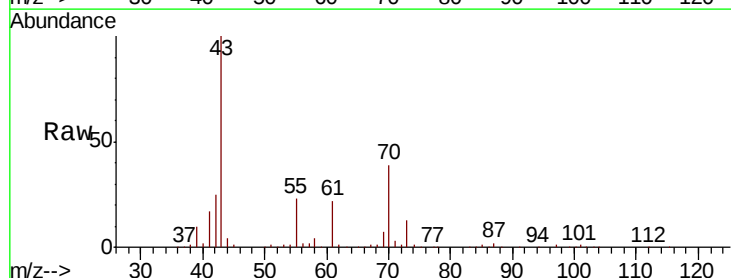
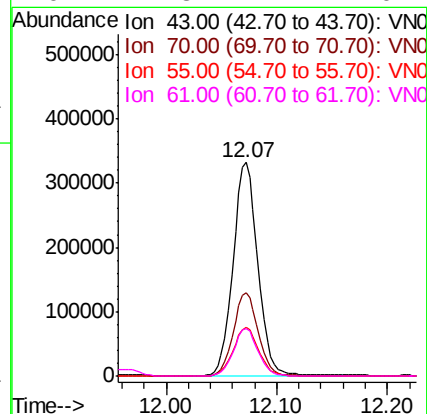
Ion Ratio Lower Upper

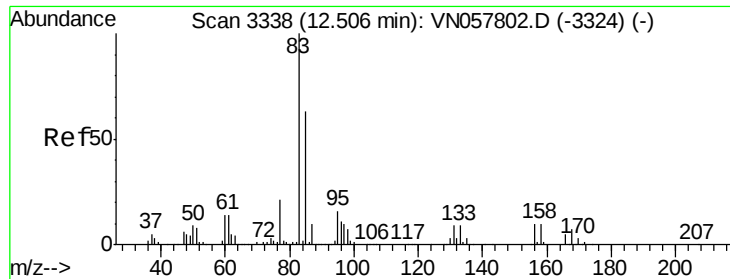
43 100

70 39.2 30.6 45.8

55 23.6 18.6 27.8

61 22.3 17.4 26.2





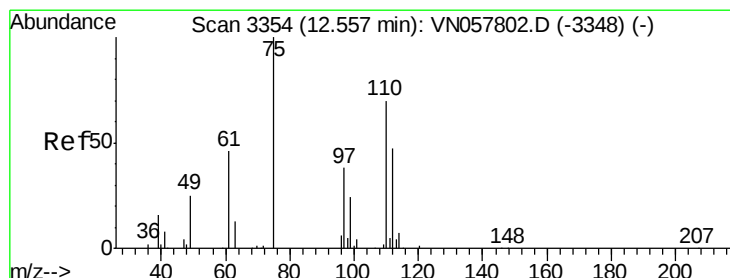
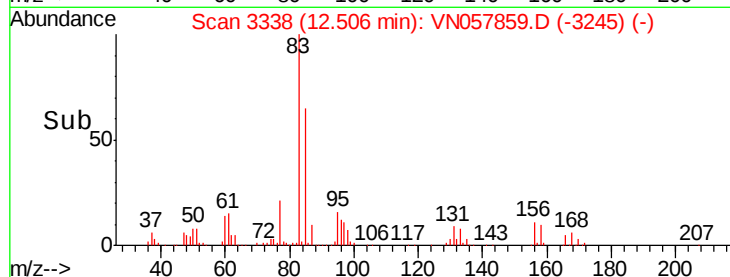
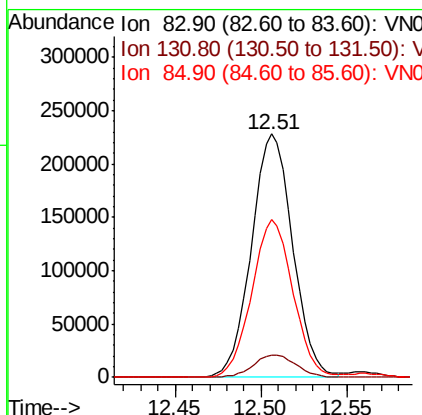
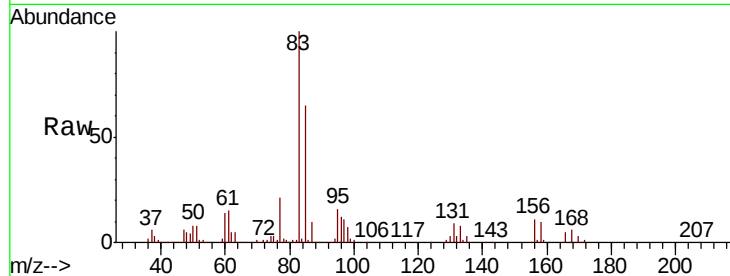
#75
 1,1,2,2-Tetrachloroethane
 Concen: 46.465 ug/l
 RT: 12.51 min Scan# 3338
 Delta R.T. 0.00 min
 Lab File: VN057859.D
 Acq: 10 Sep 2019 13:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
131	9.5	4.8	14.3	
85	64.7	31.6	94.7	

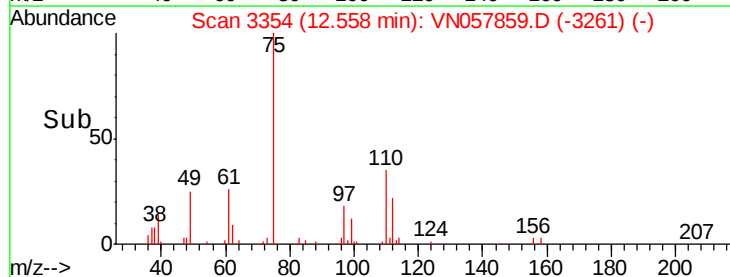
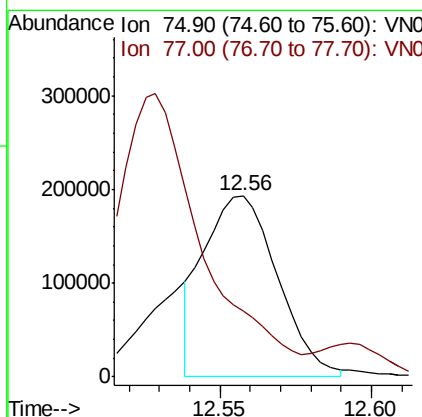
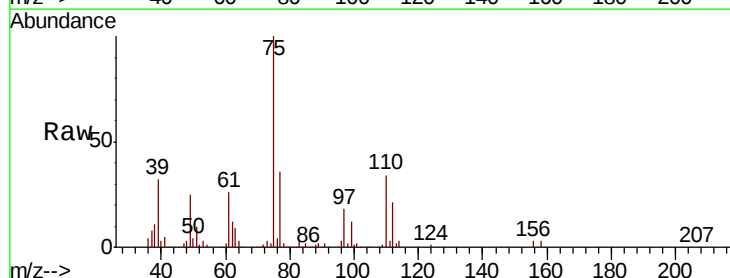
Manual Integrations
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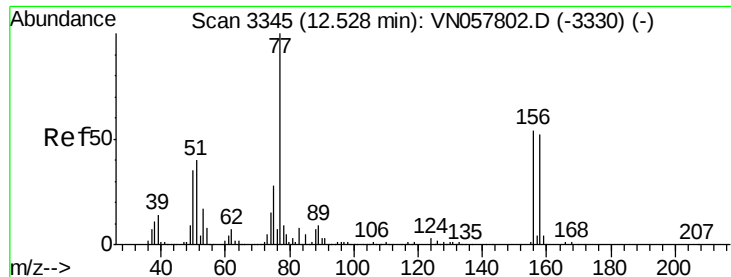
MMDadoda
 9/13/2019 5:16:31 AM



#76
 1,2,3-Trichloropropane
 Concen: 46.404 ug/l m
 RT: 12.56 min Scan# 3354
 Delta R.T. 0.00 min
 Lab File: VN057859.D
 Acq: 10 Sep 2019 13:51

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





#77

Bromobenzene

Concen: 45.603 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN057859.D

Acq: 10 Sep 2019 13:51

Instrument :

MSVOA_N

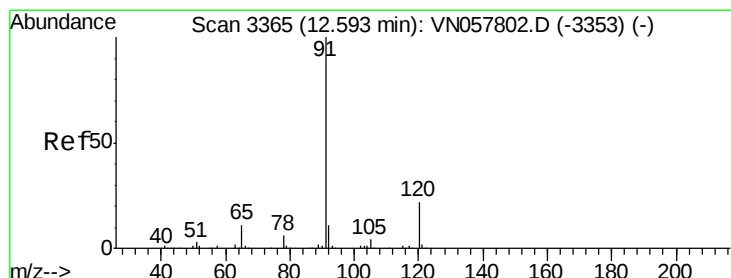
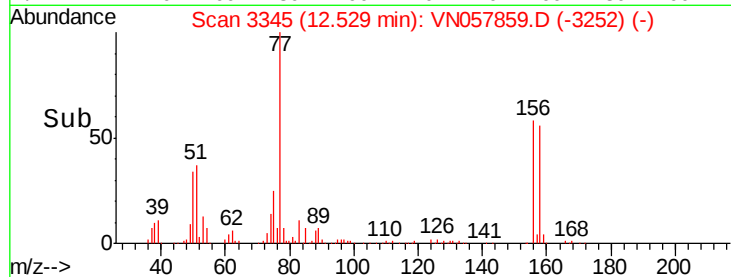
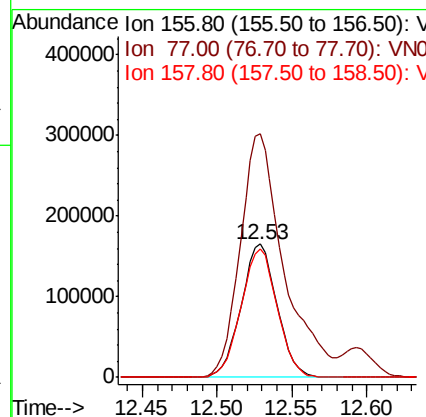
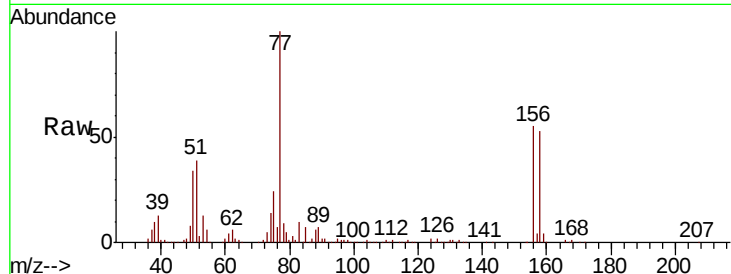
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	275237
Ion Ratio	Lower	Upper	
156	100		
77	221.9	113.7	341.1
158	97.1	48.5	145.6

Manual Integrations
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#78

n-propylbenzene

Concen: 49.719 ug/l

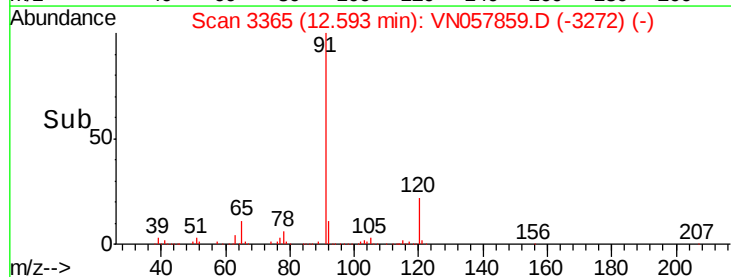
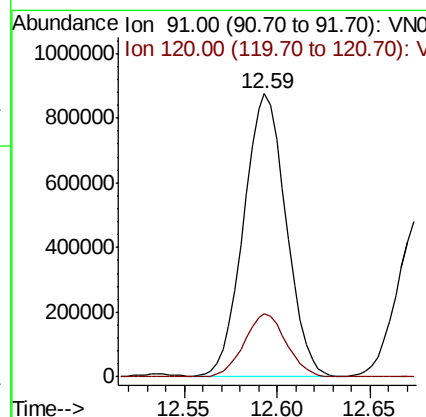
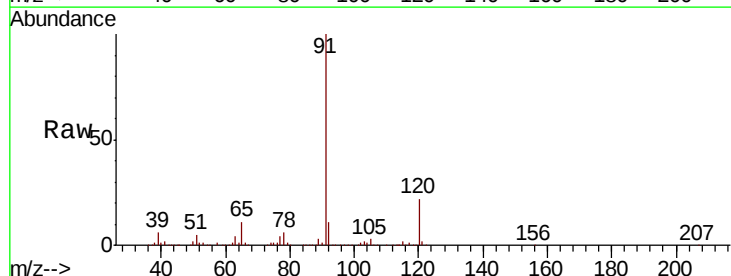
RT: 12.59 min Scan# 3365

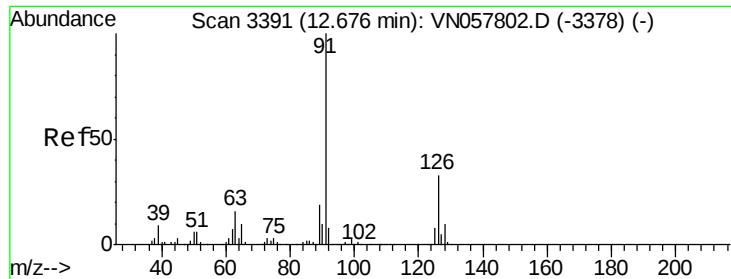
Delta R.T. 0.00 min

Lab File: VN057859.D

Acq: 10 Sep 2019 13:51

Tgt Ion:	91	Resp:	1382074
Ion Ratio	Lower	Upper	
91	100		
120	22.2	11.1	33.1





#79

2-Chlorotoluene

Concen: 47.094 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN057859.D

Acq: 10 Sep 2019 13:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 827398

Ion Ratio Lower Upper

91 100

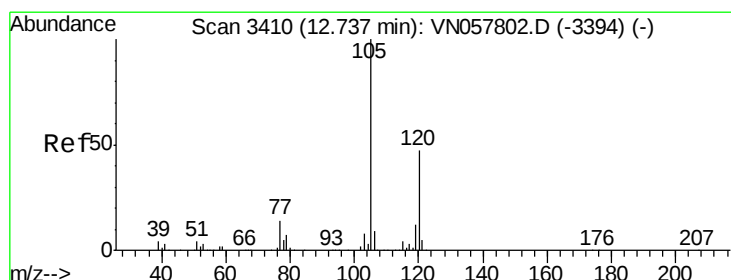
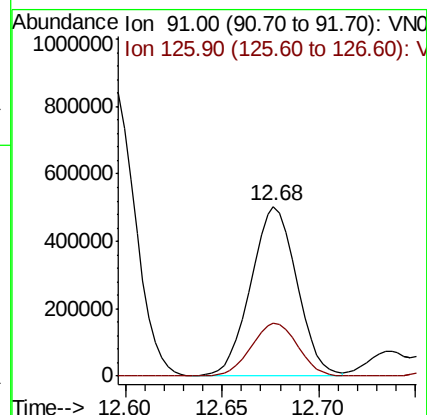
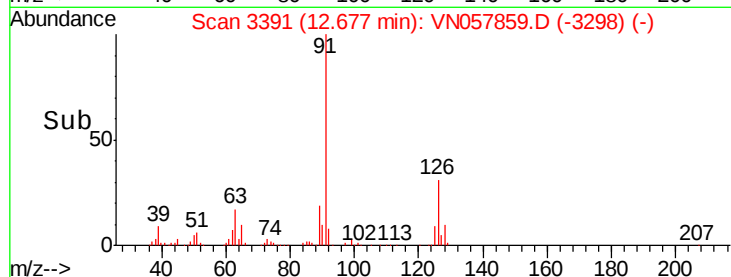
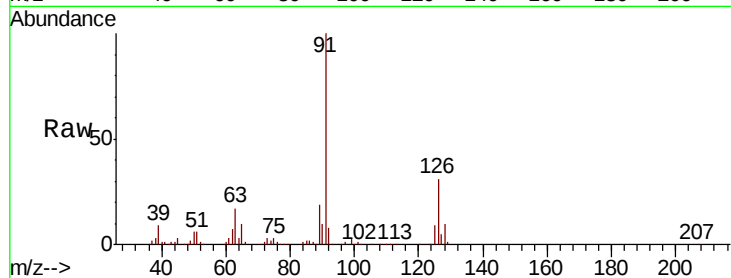
126 32.1 16.4 49.2

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 49.890 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN057859.D

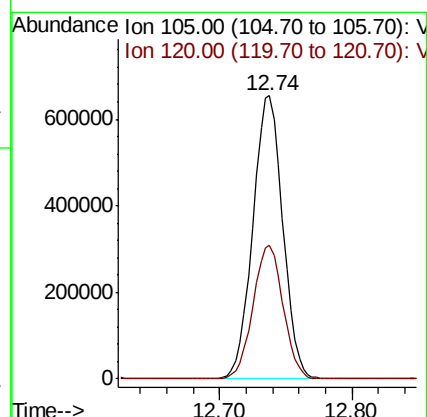
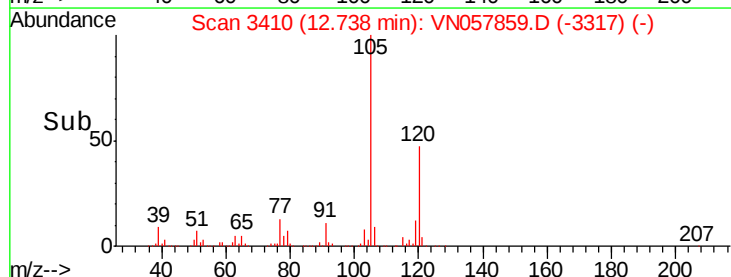
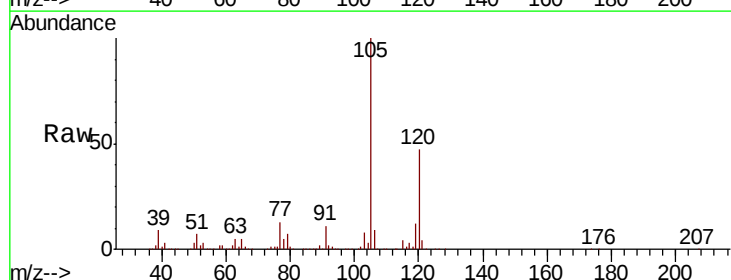
Acq: 10 Sep 2019 13:51

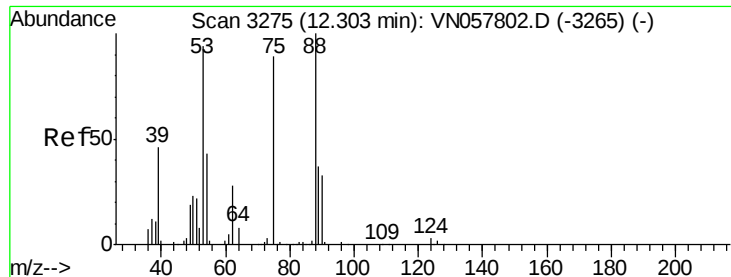
Tgt Ion: 105 Resp: 1020453

Ion Ratio Lower Upper

105 100

120 47.4 23.7 71.1





#81

trans-1,4-Dichloro-2-butene

Concen: 37.890 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN057859.D

Acq: 10 Sep 2019 13:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 75987

Ion Ratio Lower Upper

75 100

53 119.6 88.4 132.6

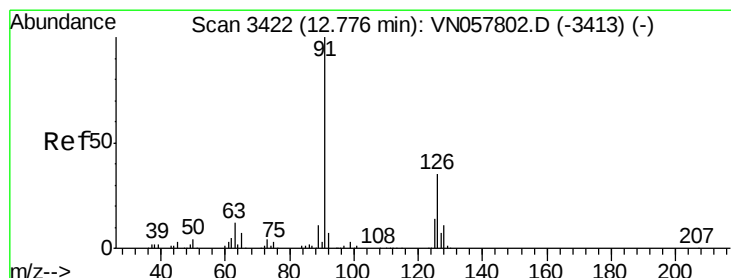
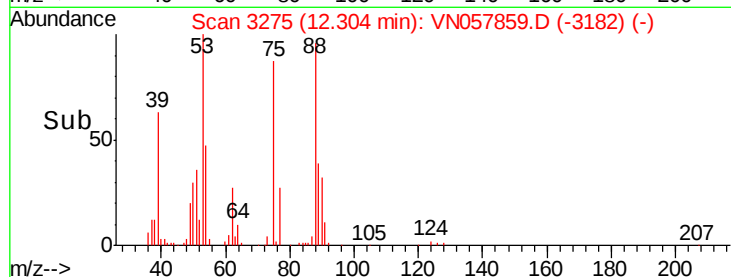
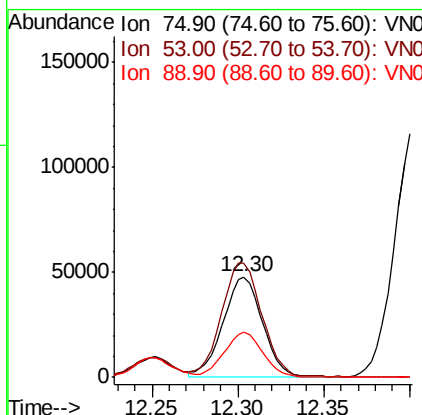
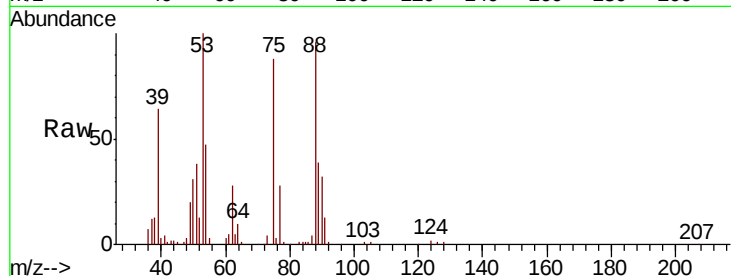
89 45.0 35.3 52.9

Manual Integrations

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#82

4-Chlorotoluene

Concen: 48.028 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN057859.D

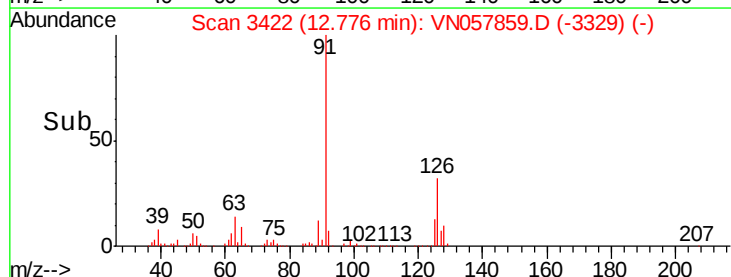
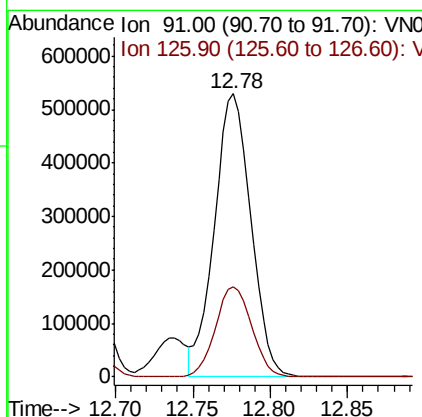
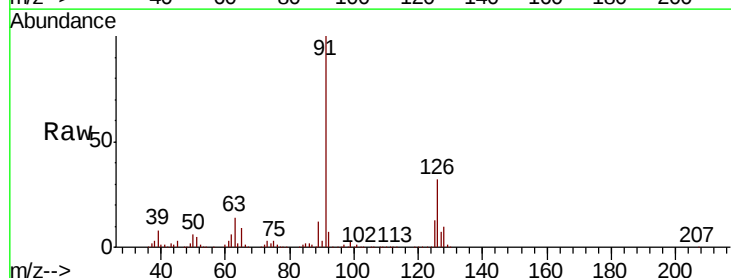
Acq: 10 Sep 2019 13:51

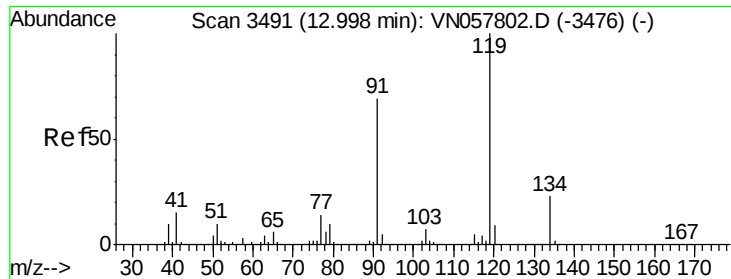
Tgt Ion: 91 Resp: 866540

Ion Ratio Lower Upper

91 100

126 31.7 16.0 48.0





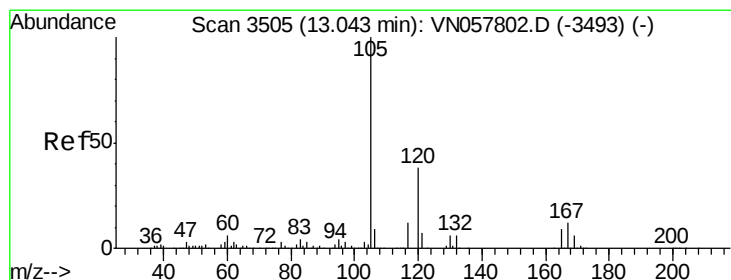
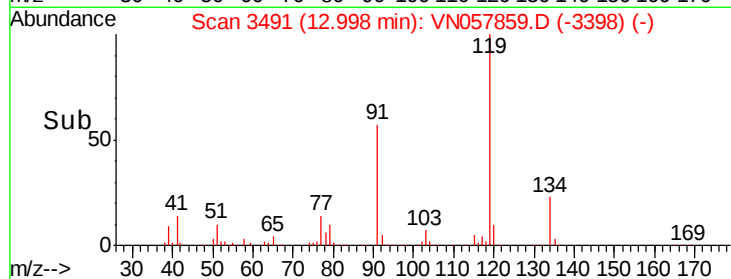
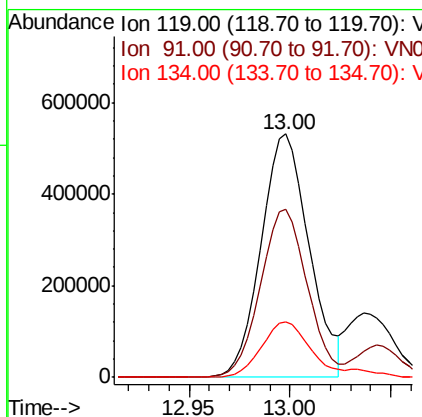
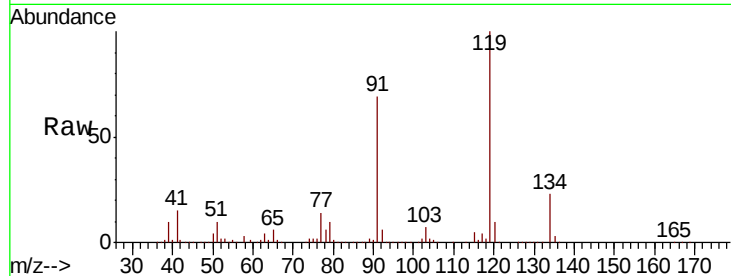
#83
tert-Butylbenzene
Concen: 48.539 ug/l
RT: 13.00 min Scan# 3491
Delta R.T. 0.00 min
Lab File: VN057859.D
Acq: 10 Sep 2019 13:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.7	33.6	100.8
134	23.1	11.7	35.0

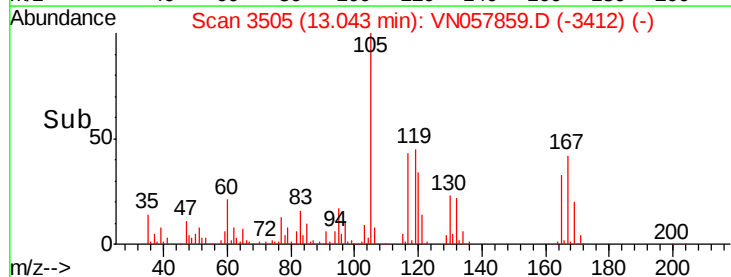
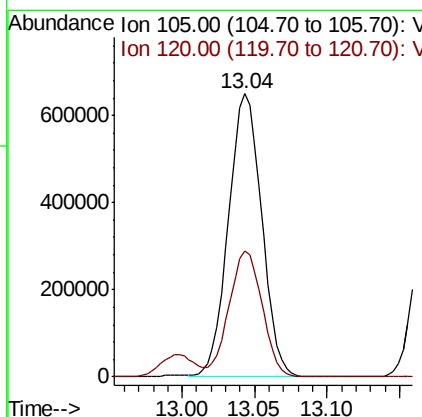
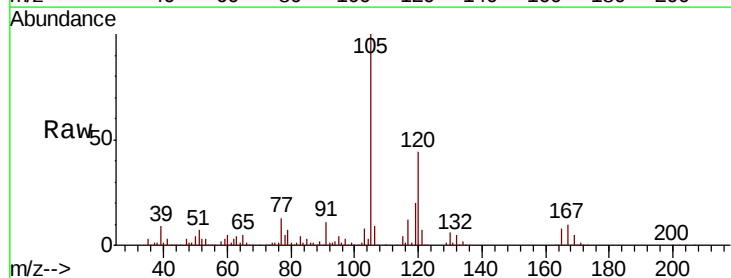
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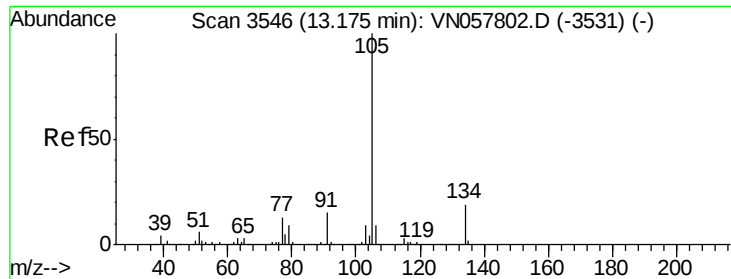
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#84
1,2,4-Trimethylbenzene
Concen: 49.614 ug/l
RT: 13.04 min Scan# 3505
Delta R.T. 0.00 min
Lab File: VN057859.D
Acq: 10 Sep 2019 13:51

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.7	22.4	67.2





#85

sec-Butylbenzene

Concen: 49.472 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN057859.D

Acq: 10 Sep 2019 13:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1192205

Ion Ratio Lower Upper

105 100

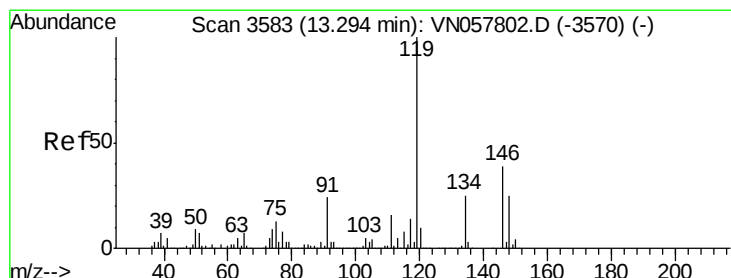
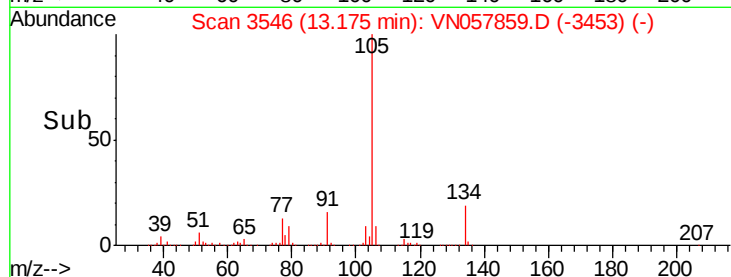
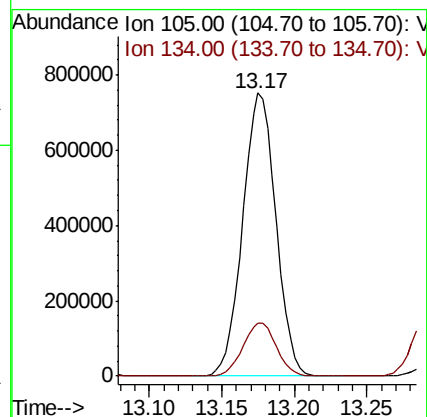
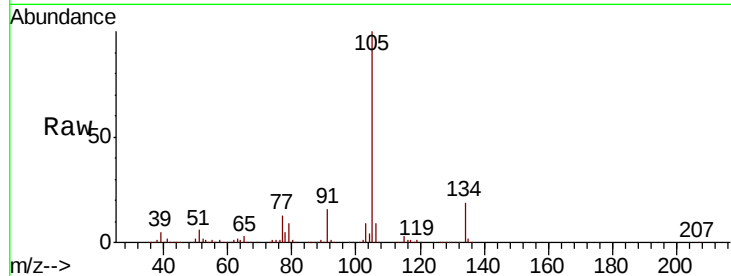
134 19.0 9.6 28.6

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#86

p-Isopropyltoluene

Concen: 51.015 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN057859.D

Acq: 10 Sep 2019 13:51

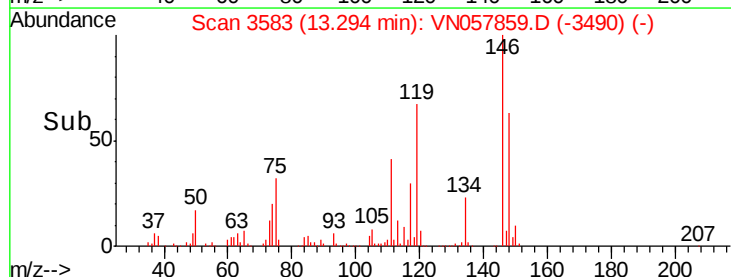
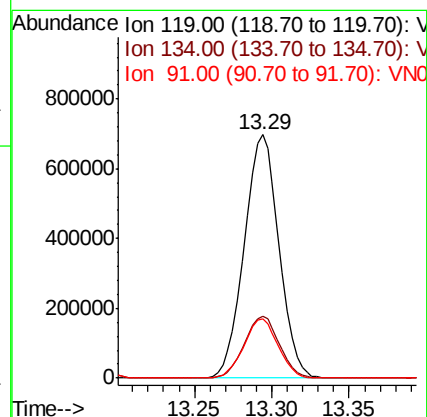
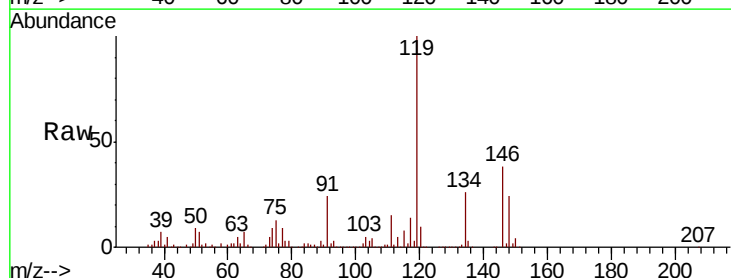
Tgt Ion:119 Resp: 1083224

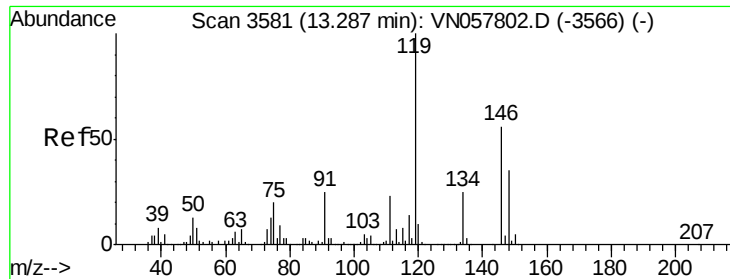
Ion Ratio Lower Upper

119 100

134 25.6 12.5 37.5

91 24.1 12.3 36.8





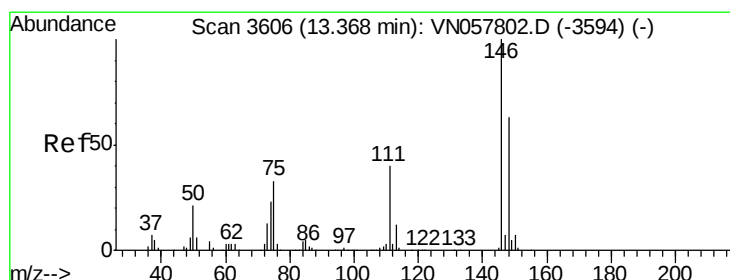
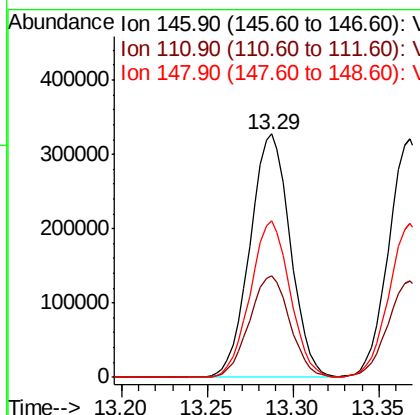
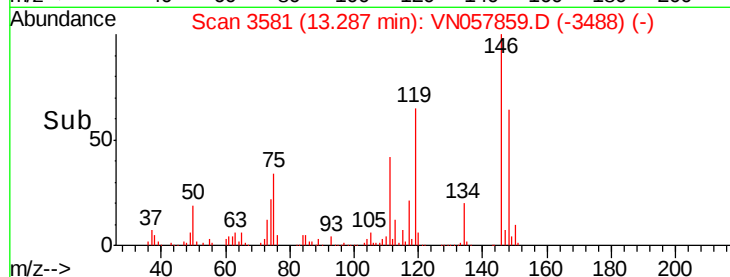
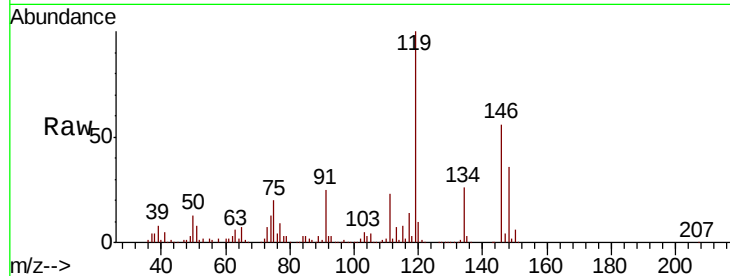
#87
 1,3-Dichlorobenzene
 Concen: 47.975 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN057859.D
 Acq: 10 Sep 2019 13:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.9	20.5	61.6
148	63.2	31.5	94.5

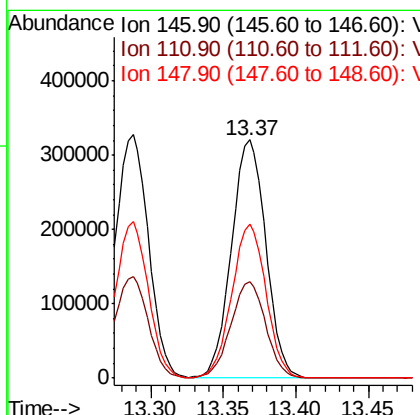
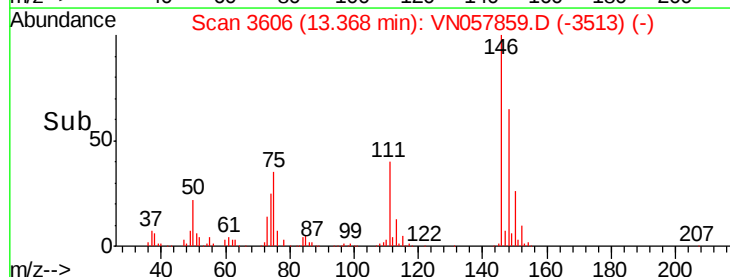
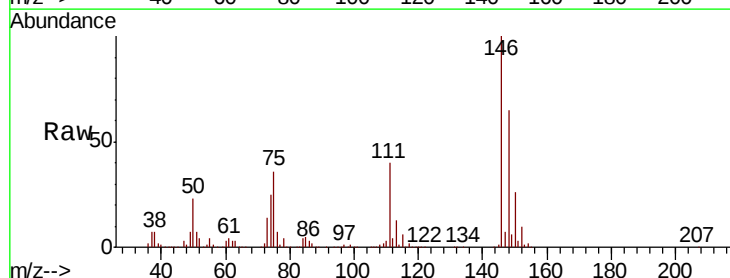
Manual Integrations
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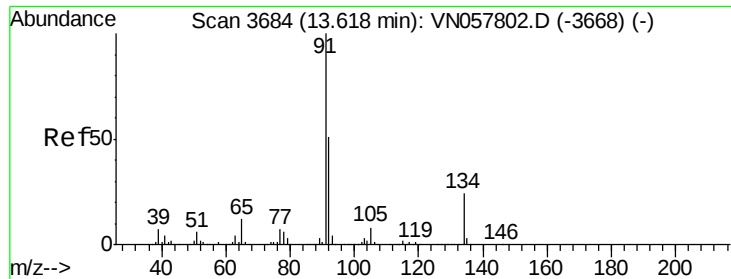
MMDadoda
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#88
 1,4-Dichlorobenzene
 Concen: 46.769 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN057859.D
 Acq: 10 Sep 2019 13:51

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.4	61.2
148	64.5	31.8	95.4





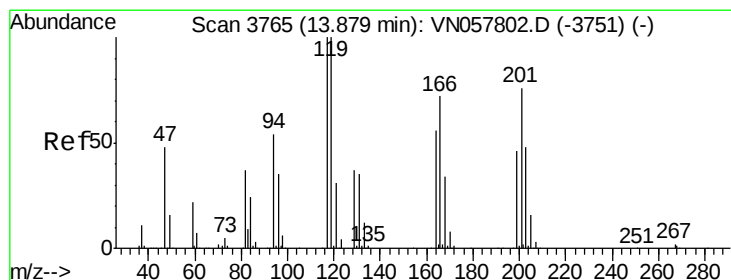
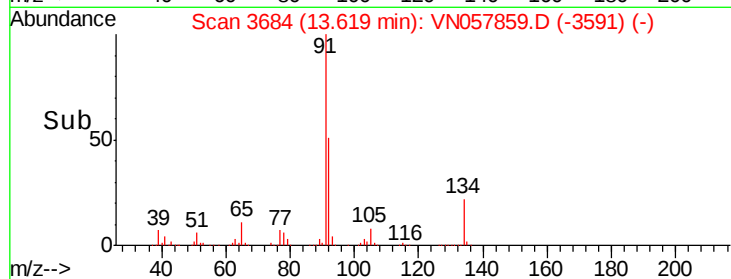
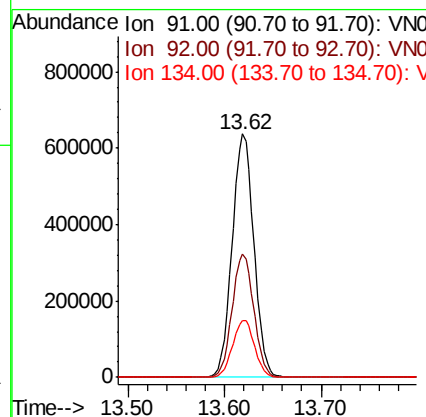
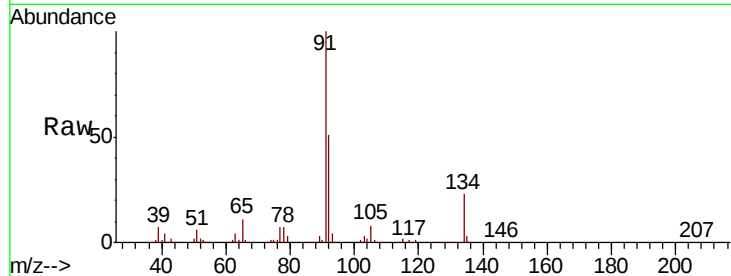
#89
n-Butylbenzene
Concen: 49.515 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. 0.00 min
Lab File: VN057859.D
Acq: 10 Sep 2019 13:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.7	25.7	77.0
134	23.8	11.9	35.7

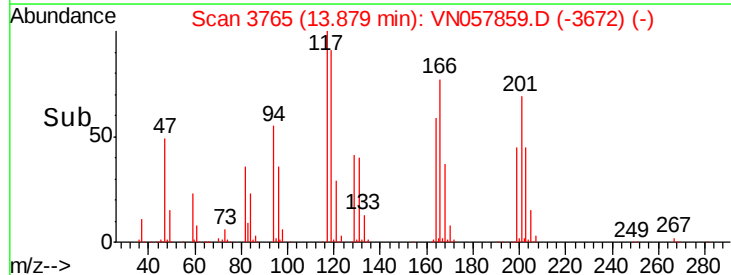
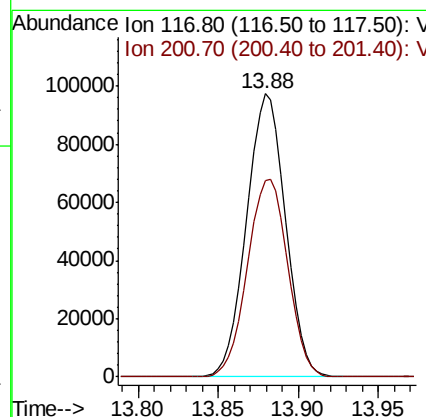
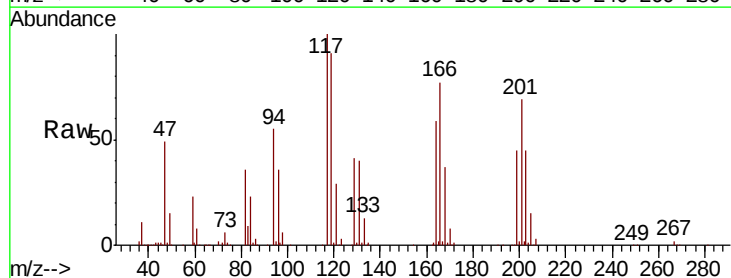
Manual Integrations
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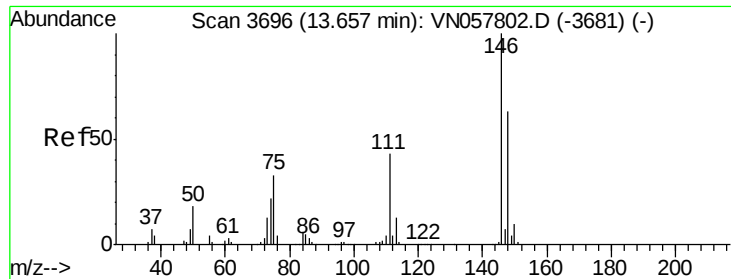
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#90
Hexachloroethane
Concen: 51.182 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN057859.D
Acq: 10 Sep 2019 13:51

Tgt Ion	Ratio	Lower	Upper
117	100		
201	72.3	37.5	112.7





#91

1,2-Dichlorobenzene

Concen: 47.624 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. 0.00 min

Lab File: VN057859.D

Acq: 10 Sep 2019 13:51

Instrument :

MSVOA_N

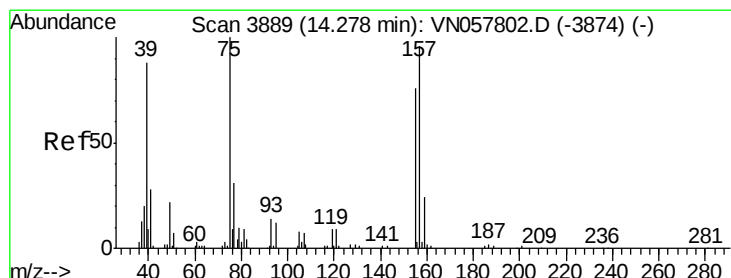
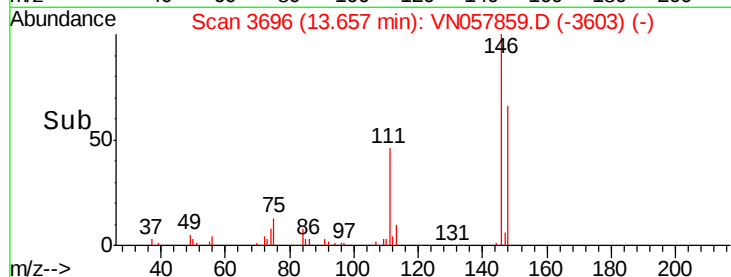
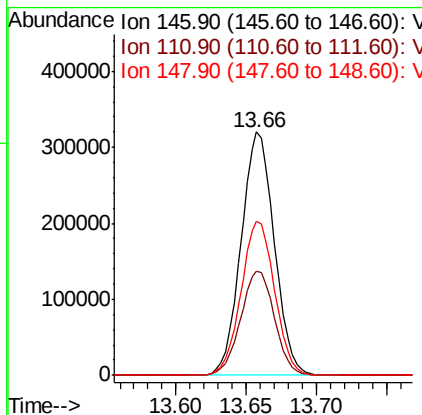
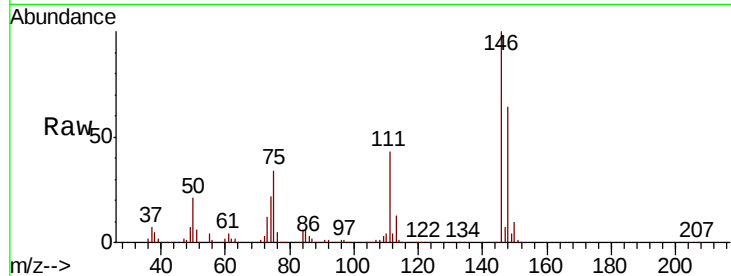
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	527077
Ion Ratio	Lower	Upper	
146	100		
111	43.8	21.3	63.9
148	64.3	31.4	94.3

Manual Integrations
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9/13/2019 5:16:31 AM



#92

1,2-Dibromo-3-Chloropropane

Concen: 51.461 ug/l

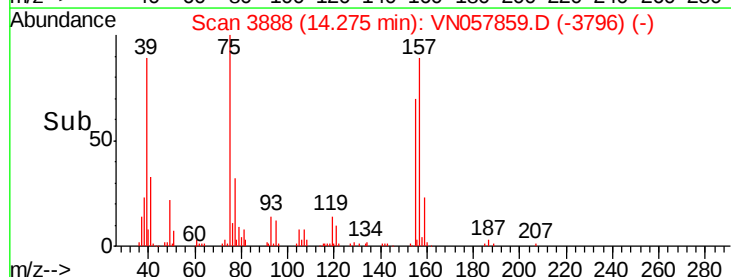
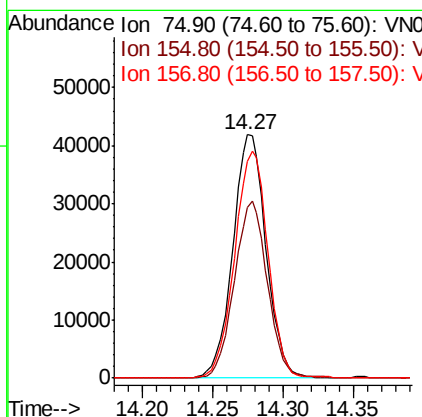
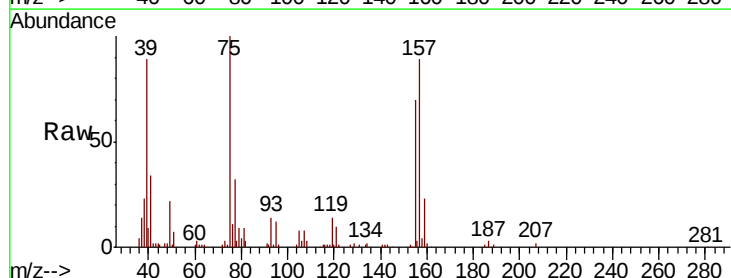
RT: 14.27 min Scan# 3888

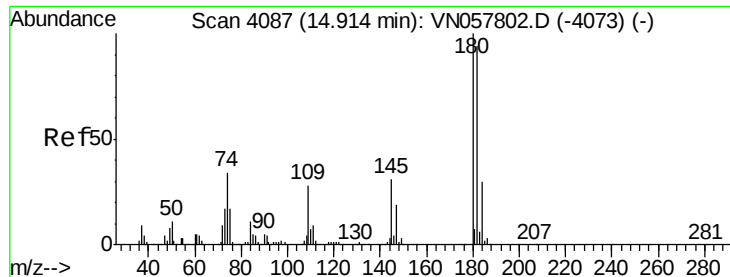
Delta R.T. -0.00 min

Lab File: VN057859.D

Acq: 10 Sep 2019 13:51

Tgt Ion:	75	Resp:	69269
Ion Ratio	Lower	Upper	
75	100		
155	72.1	37.3	111.8
157	93.2	47.9	143.8





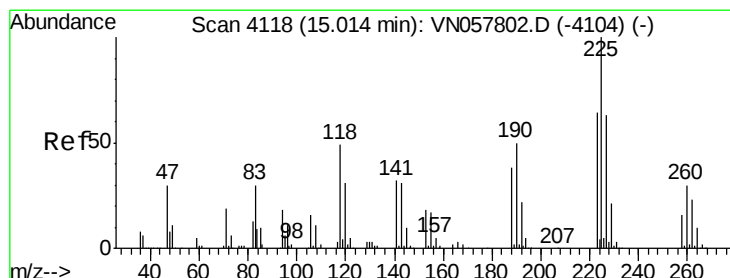
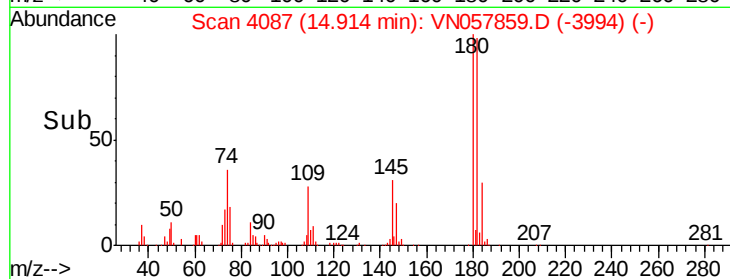
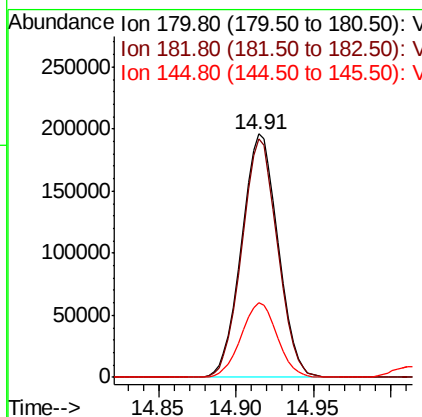
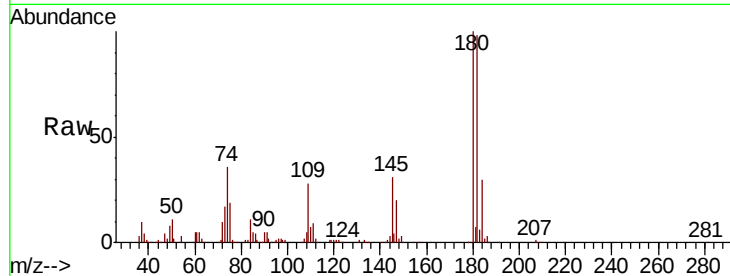
#93
 1,2,4-Trichlorobenzene
 Concen: 44.464 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN057859.D
 Acq: 10 Sep 2019 13:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	180	Resp:	321654
Ion Ratio	Lower	Upper	
180	100		
182	96.1	46.9	140.8
145	30.4	14.9	44.7

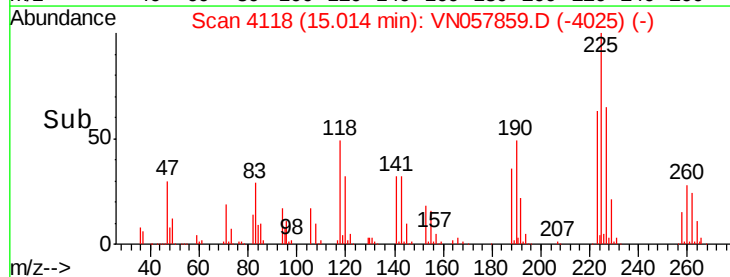
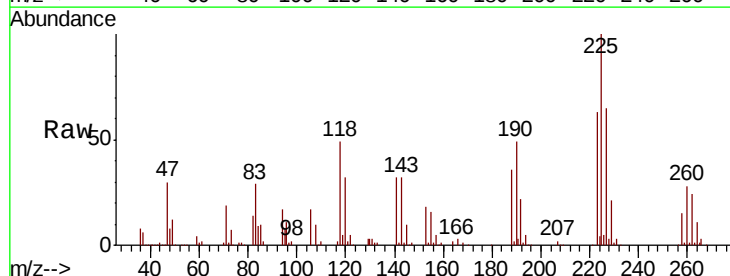
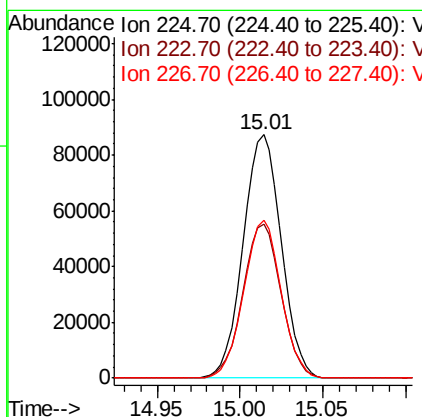
Manual Integrations
 APPROVED

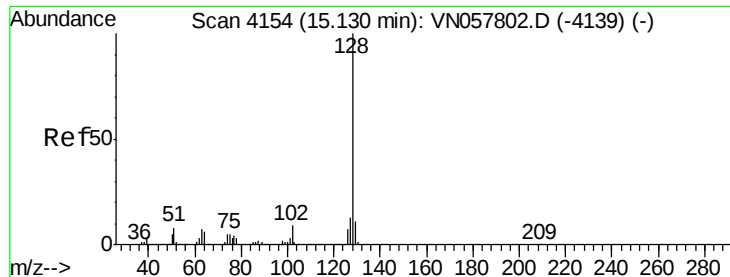
MMDadoda
 9/13/2019 5:16:31 AM



#94
 Hexachlorobutadiene
 Concen: 45.649 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN057859.D
 Acq: 10 Sep 2019 13:51

Tgt Ion:	225	Resp:	139982
Ion Ratio	Lower	Upper	
225	100		
223	63.4	32.4	97.2
227	63.5	31.8	95.4





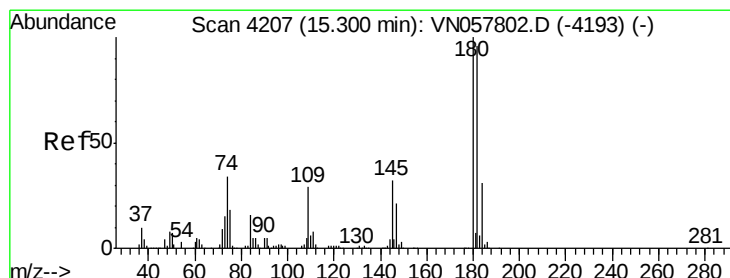
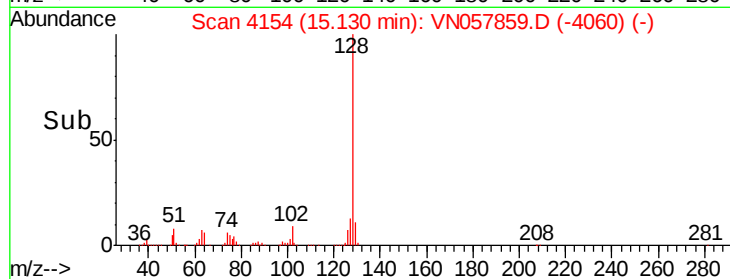
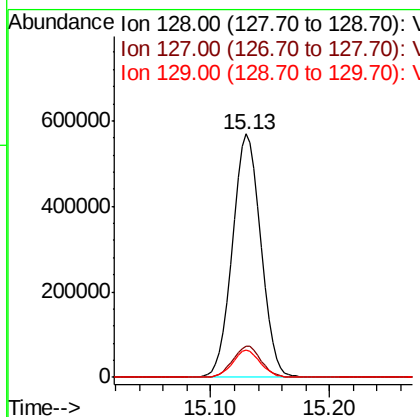
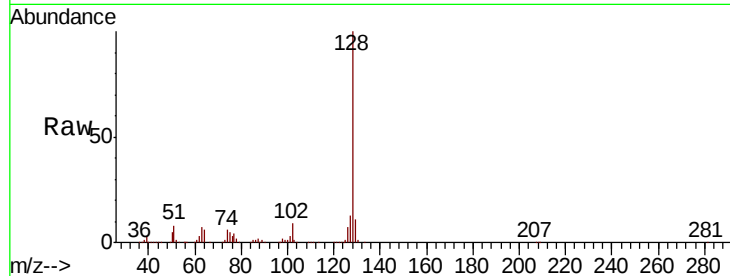
#95
Naphthalene
Concen: 51.603 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN057859.D
Acq: 10 Sep 2019 13:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.3	15.5
129	10.8	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/13/2019 5:16:31 AM



#96
1,2,3-Trichlorobenzene
Concen: 49.587 ug/l
RT: 15.30 min Scan# 4207
Delta R.T. 0.00 min
Lab File: VN057859.D
Acq: 10 Sep 2019 13:51

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.0	48.3	144.8
145	31.4	16.3	48.8

